



# Spokane County

PUBLIC WORKS

December 7, 2022

Washington Department of Ecology  
Attn: Sandra Treccani  
4601 N. Monroe St., Suite 202  
Spokane, WA 99205-1295

RE: Mica Landfill Annual Progress Report 2022

Dear Sandra,

Enclosed you will find one copy of the Mica Landfill September 2022 Annual Progress Report.

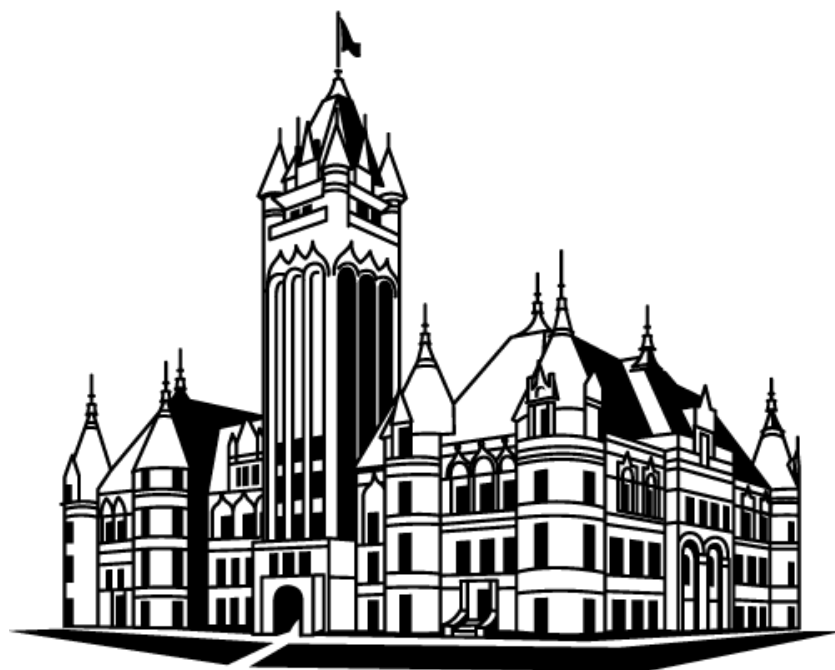
If you have comments or questions, please call me at (509) 238-6607.

Sincerely,

Austin Stewart  
Water Resources Specialist

Enc.

**Mica Landfill Annual Remedial Action Performance Report**  
**September 2022**



**Spokane County**  
WASHINGTON

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# **1 INTRODUCTION**

## 1.1 MICA LANDFILL INFORMATION SUMMARY

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SITE:</b>                 | Mica Landfill, Spokane County, WA<br>S.11, 14 & 15 T.24 R.44                                                                                                                                                                                                                                                                                                                                                      |
| <b>REPORTING PERIOD:</b>     | October 2021 through September 2022                                                                                                                                                                                                                                                                                                                                                                               |
| <b>REGULATORY AUTHORITY:</b> | Washington State Department of Ecology, EPA<br>Scope of work for Remedial Action as stated in the Final Cleanup Action Plan (CAP) 2002.                                                                                                                                                                                                                                                                           |
| <b>TECHNOLOGY:</b>           | Impermeable cover system with passive landfill gas collection and flare stations. Leachate collection system conveying leachate to local sewer for treatment and disposal.                                                                                                                                                                                                                                        |
| <b>CRITERIA:</b>             | Criteria were established as stated in the Consent Decree and outlined in the Remedial Action Plan (2002).<br>See Table 1-1 for the established cleanup criteria.                                                                                                                                                                                                                                                 |
| <b>SAMPLING PROGRAMS:</b>    | <u>Compliance Monitoring Program:</u> Groundwater sampling (leachate sampling/permit discontinued) done in accordance with Final Cleanup Action Plan (CAP). Landfill gas monitoring done in accordance with the Compliance Monitoring Plan SAP (contained within the Remedial Action Plan, 2002). See Figure 1-1 for site locations. See Table 1-2 for well designations and Table 1-3 for the sampling schedule. |

**Table 1-1: Mica Landfill Summary of Indicator Analytes and Cleanup Levels**

| GROUNDWATER            |                              |                                           |                              |
|------------------------|------------------------------|-------------------------------------------|------------------------------|
| Indicator Analyte      | Method B Cleanup Level, ug/L | Indicator Analyte                         | Method B Cleanup Level, ug/L |
| Conventionals          |                              | Volatile Organic Compounds                |                              |
| Alkalinity             | N                            | 1,2-Dichloroethane                        | 1.2                          |
| Ammonia                | 272,000                      | 1,2-Dichloropropane                       | 0.643                        |
| Chloride               | N                            | Acetone                                   | 688                          |
| N-Nitrate              | 800                          | Benzene                                   | 0.795                        |
| Sulfate                | N                            | cis-1,2-Dichloroethene                    | 33                           |
| Total Dissolved Solids | N                            | Methylene Chloride (MC)                   | 5                            |
| Total Organic Carbon   | N                            | Tetrachloroethene (PCE)                   | 0.858                        |
| Inorganics             |                              | Toluene                                   | 100                          |
| Arsenic                | 5                            | Trichloroethene (TCE)                     | 3.98                         |
| Barium                 | 560                          | Vinyl Chloride (VC)                       | 0.023                        |
| Lead                   | 15                           | Phthalates                                |                              |
| Manganese              | 1,926                        | bis(2- ethylhexyl)<br>Phthalate<br>(BEHP) | 6                            |
| Mercury                | 0.4                          |                                           |                              |
| Vanadium               | 112                          |                                           |                              |
| Zinc                   | 400                          |                                           |                              |

# Mica Landfill Site Map

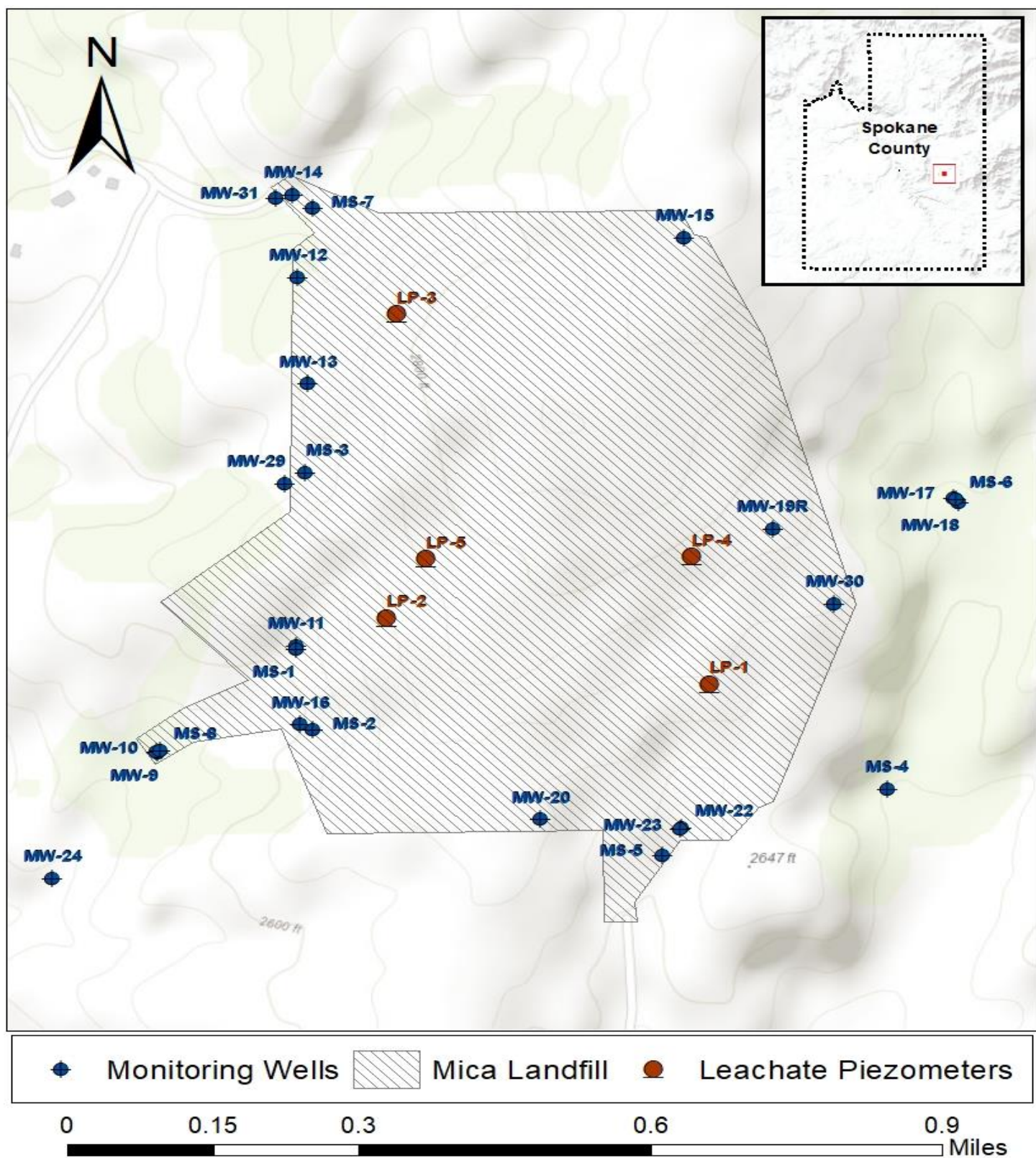


Figure 1-1: Mica Landfill Site Map

## **Mica Landfill RA Compliance Monitoring Wells**

**Table 1-2: Mica Landfill Summary of RA Compliance Monitoring Wells**

| <b>Well ID</b>                       | <b>Geologic Unit*</b> | <b>Sampling Frequency</b> | <b>Drainage Area</b> |
|--------------------------------------|-----------------------|---------------------------|----------------------|
| MS-4                                 | WB                    | Semi-Annual               | Southeast            |
| MS-5                                 | WB                    | Semi-Annual               | South                |
| MW-9                                 | WB                    | Semi-Annual               | Southwest            |
| MW-10                                | FB                    | Semi-Annual               | Southwest            |
| MW-13                                | FB                    | Semi-Annual               | Northwest            |
| MW-14                                | FB                    | Semi-Annual               | Northwest            |
| MW-16                                | FB                    | Quarterly                 | Southwest            |
| MW-19R                               | FB                    | Semi-Annual               | Southeast            |
| MW-20                                | FB                    | Semi-Annual               | South                |
| MW-23                                | WB                    | Semi-Annual               | South                |
| MW-29                                | FB                    | Semi-Annual               | Northwest            |
| MW-31                                | WB                    | Semi-Annual               | Northwest            |
| DW-001                               | FB                    | Semi-Annual               | South Pines Estates  |
| DW-002                               | WB                    | Semi-Annual               | Hidden Hollow        |
| DW-003                               | FB                    | Semi-Annual               | Miller Well          |
| *WB = weathered (decomposed) bedrock |                       |                           |                      |
| *FB = fractured bedrock              |                       |                           |                      |

## Mica Landfill Sampling Schedule

Table 1-3: Mica Landfill Sampling Schedule

| LOCATION           | VOLATILES |     |     |     | BEHP |     |     |     | TOC/NH3 |     |     |     | Cl/Aik/NO3/SO4/TDS |     |     |     | As/Ba/Hg/Mn/Pb/V/Zn |     |     |     |
|--------------------|-----------|-----|-----|-----|------|-----|-----|-----|---------|-----|-----|-----|--------------------|-----|-----|-----|---------------------|-----|-----|-----|
|                    | Mar       | Jun | Sep | Dec | Mar  | Jun | Sep | Dec | Mar     | Jun | Sep | Dec | Mar                | Jun | Sep | Dec | Mar                 | Jun | Sep | Dec |
| Northwest Drainage |           |     |     |     |      |     |     |     |         |     |     |     |                    |     |     |     |                     |     |     |     |
| MW-013             | X         |     | X   |     |      |     |     |     | X       |     | X   |     | X                  |     | X   |     | X                   |     | X   |     |
| MW-014             | X         |     | X   |     |      |     |     |     | X       |     | X   |     | X                  |     | X   |     | X                   |     | X   |     |
| MW-029             | X         |     | X   |     | X    |     |     |     | X       |     | X   |     | X                  |     | X   |     | X                   |     | X   |     |
| MW-031             | X         |     | X   |     |      |     |     |     | X       |     | X   |     | X                  |     | X   |     | X                   |     | X   |     |
| Southwest Drainage |           |     |     |     |      |     |     |     |         |     |     |     |                    |     |     |     |                     |     |     |     |
| MW-009             | X         |     | X   |     | X    |     |     |     | X       |     | X   |     | X                  |     | X   |     | X                   |     | X   |     |
| MW-010             | X         |     | X   |     |      |     |     |     | X       |     | X   |     | X                  |     | X   |     | X                   |     | X   |     |
| MW-016             | X         | X   | X   | X   |      |     |     |     | X       | X   | X   | X   | X                  |     | X   |     | X                   | X   | X   | X   |
| South Drainage     |           |     |     |     |      |     |     |     |         |     |     |     |                    |     |     |     |                     |     |     |     |
| MS-005             | X         |     | X   |     | X    |     |     |     | X       |     | X   |     | X                  |     | X   |     | X                   |     | X   |     |
| MW-020             | X         |     | X   |     |      |     |     |     | X       |     | X   |     | X                  |     | X   |     | X                   |     | X   |     |
| MW-023             | X         |     | X   |     |      |     |     |     | X       |     | X   |     | X                  |     | X   |     | X                   |     | X   |     |
| Southeast Drainage |           |     |     |     |      |     |     |     |         |     |     |     |                    |     |     |     |                     |     |     |     |
| MS-004             | X         |     | X   |     | X    |     | X   |     | X       |     | X   |     | X                  |     | X   |     | X                   |     | X   |     |
| MW-019R            | X         |     | X   |     |      |     |     |     | X       |     | X   |     | X                  |     | X   |     | X                   |     | X   |     |
| Domestic Wells     |           |     |     |     |      |     |     |     |         |     |     |     |                    |     |     |     |                     |     |     |     |
| DW-001             | X         |     | X   |     | X    |     |     |     | X       |     | X   |     | X                  |     | X   |     | X                   |     | X   |     |
| DW-002             | X         |     | X   |     | X    |     |     |     | X       |     | X   |     | X                  |     | X   |     | X                   |     | X   |     |
| DW-003             | X         |     | X   |     | X    |     |     |     | X       |     | X   |     | X                  |     | X   |     | X                   |     | X   |     |

## **2 GROUNDWATER**

## **2.1 GROUNDWATER DATA/SUMMARIES**

### **PROBLEMS/ DEVIATIONS**

Monitoring wells MS-4, MW-13, MW-19R, and MW-29 are low-producing wells that are purged once and allowed to recharge before obtaining samples. The groundwater level in MW-31 was below the pump intakes during September and a sample was unobtainable in that well.

### **FIELD DATA**

Field parameters for this report are shown in Table 2-1. Hydrographs are presented in Figure 2-1 through Figure 2-5. Water level readings are shown in Table 2-1. Sen's slope trend analysis results for individual well groundwater elevations over time are presented in Table 2-2. Groundwater elevation contours/flow directions are presented in Figure 2-6.

### **CRITERIA EXCEEDANCES**

Detected analyte concentrations and clean-up criteria exceedances for this annual report are presented in Table 2-3 through Table 2-7. Clean-up criteria were presented previously in Table 1-1. Cleanup-level exceedance geospatial maps are presented in Figure 2-7 through Figure 2-15.

#### **NORTHWEST DRAINAGE (MW-13, MW-14, MW-29, and MW-31)**

Nitrate concentrations in MW-29 and MW-31 exceeded the regulatory criteria during this annual reporting period.

#### **SOUTHWEST DRAINAGE (MW-9, MW-10, and MW-16)**

Concentrations in samples collected from monitoring well MW-16 exceeded the criteria for several VOCs, including 1,2-Dichloroethane (1,2-DCA), 1,2-Dichloropropane (1,2-DCP), benzene, Vinyl chloride, and acetone. MW-16 also exceeded the criteria for arsenic and barium during this annual reporting period.

#### **SOUTH DRAINAGE (MS-5, MW-20, and MW-23)**

MW-20 and MS-5 exhibited nitrate concentrations above the cleanup criteria. MW-20 also exhibited exceedances for lead and arsenic.

#### **SOUTHEAST DRAINAGE (MS-4 and MW-19R)**

Nitrate concentrations in both southeast area wells were above the cleanup criteria.

#### **DOMESTIC WELLS (DW-1, DW-2, and DW-3)**

Nitrate levels at DW-2 and DW-3 exceeded the clean-up criteria during this reporting period.

### **CHEMICAL DATA AND STATISTICAL TRENDS**

All laboratory data collected during this annual reporting period is shown in APPENDIX A - LABORATORY RESULTS. Volatile organic detections and semi-volatile detections for this reporting period are presented in Table 2-4 and Table 2-5, respectively. Inorganic detections are presented in Table 2-6, and conventional detected concentrations are presented in Table 2-7. Data summary analyses are presented in APPENDIX B - DATA SUMMARY ANALYSIS. Data validation performed for this reporting period is presented in APPENDIX C - DATA VALIDATION.

**STATISTICAL ANALYSIS:** Trend analyses were performed on chemical data from 1994 to the present date using Sen's non-parametric trend test. Statistically significant trends are included in Table 2-8. Due to the change in filtered versus non-filtered metals analysis (dissolved versus total) after March 2002, statistical analysis for metals was performed only on the unfiltered data collected after that date. Because of this, the statistical analysis calculated for metals may produce a trend that does not reflect the overall historic changes for that constituent.

#### **NORTHWEST DRAINAGE (MW-13, MW-14, MW-29, and MW-31)**

Time-series plots for northwest area analyte concentrations are presented in Figure 2-16 through Figure 2-22. Statistically significant trends for the northwest area analyte concentrations are presented in Table 2-8. The northwest drainage wells show little to no detections of VOCs. Monitoring well MW-29, located in the southern area of the northwest drainage, indicates increasing trends in a majority of the conventionals, along with barium. While MW-29 currently indicates criteria exceedances/increasing concentration trends for nitrate, overall nitrate concentrations have decreased over the last 5 years. MW-31 indicates decreasing trends for alkalinity, chloride, sulfate, TDS, and barium. MW-13 is exhibiting decreasing trends for nitrate, sulfate, barium, and PCE. MW-14 exhibited an increasing trend for alkalinity.

#### **SOUTHWEST DRAINAGE (MW-9, MW-10, and MW-16)**

Time-series plots for southwest area analyte concentrations are presented in Figure 2-23 through Figure 2-40. Statistically significant trends for the southwest area are shown in Table 2-8. Monitoring wells MW-9 and MW-10 show no detections of VOCs. MW-9 is exhibiting decreasing trends for a majority of conventionals/manganese, and an increasing trend for barium. MW-10 indicates a decreasing trend for chloride, and increasing trends for alkalinity, nitrate, and barium. Out of all wells monitored at the Mica Landfill, MW-16 typically has the highest concentrations of analytes and statistical analysis shows increasing trends for several constituents. Monitoring well MW-16 is exhibiting increasing trends for alkalinity, ammonia, chloride, arsenic, and benzene. In previous years, MW-16 exhibited increasing trends for 1,2-DCP, which is currently plateauing. MW-16 also indicates decreasing trends for sulfate, TOC, barium, manganese, acetone, MC, TCE, and toluene. Although MW-16 continues to exhibit a high level of constituent detections and cleanup criteria exceedances, several constituent concentrations have plateaued/started exhibiting downward concentration trends.

Because of the high volatile organic concentrations found in MW-16, dilutions for laboratory analysis are necessary. This typically increases the method reporting limit for the analytes, and while most detections are well above these elevated reporting limits, there may be some low-level concentrations that will not be represented with these lab results.

#### **SOUTH DRAINAGE (MS-5, MW-20, and MW-23)**

Time-series plots for the south area analyte concentrations are presented in Figure 2-41 through Figure 2-49. Statistically significant trends for the south area are shown in Table 2-8. Decreasing trends for nitrate, PCE, MC, TCE, 1,2-DCA, 1,2-DCP, cis-1,2-DCE, and barium are indicated in MW-23. Increasing trends for MW-23 include chloride and manganese for this reporting period. Increasing trends for alkalinity and TDS in previous reporting periods have plateaued. Monitoring well MS-5 is exhibiting increasing trends for chloride and sulfate, and decreasing trends for nitrate and barium. Although MS-5 is exhibiting increasing trends for chloride and sulfate, concentrations for both constituents appear to be plateauing/decreasing. Statistical analysis shows decreasing trends for chloride, nitrate, sulfate, TDS, and TOC in MW-20.

#### **SOUTHEAST DRAINAGE (MS-4 and MW-19R)**

Time-series plots for the southeast area analyte concentrations are presented in Figure 2-50 through Figure 2-55. Statistically significant trends are shown in Table 2-8. Monitoring well MS-4 shows increasing trends for alkalinity, nitrate, sulfate, TDS, and barium. Monitoring well MW-19R indicates decreasing trends for most conventionals and barium. MW-19R also indicates a decreasing trend for cis-1,2-DCE. There are several examples of inorganic and conventional concentrations decreasing in MW-19R while concentrations increase in MS-4, indicating constituent concentration relationships between the two monitoring wells that are supported by the groundwater flow direction.

#### **DOMESTIC WELLS (DW-1, DW-2, and DW-3)**

Time-series plots for the domestic well analyte concentrations are presented in Figure 2-56 through Figure 2-60. Statistically significant trends are shown in Table 2-8. Data from DW-1 show overall increasing trends for nitrate, chloride, and barium. While these constituents exhibit

increasing concentration trends, they are currently plateauing/decreasing. DW-3 shows increasing trends for nitrate, sulfate, and barium. DW-2 indicates a decreasing trend for nitrate.

### ***CONTINGENCY RESPONSE ACTIONS***

County personnel successfully obtained samples from DW-1 and DW-3 after the groundwater pumps received repairs. Nitrate levels at domestic well DW-2 were over the clean-up criteria during the March and September sampling events. The statistical analysis for nitrate at this well indicates a decreasing trend in concentrations. Nitrate levels at domestic well DW-3 were over the clean-up criteria for both sampling events during this annual reporting period. This well has exhibited an increasing trend for nitrate since 2006, but concentrations are currently exhibiting a decreasing trend that started in 2016.

The zinc concentrations found at DW-1 exceeded the clean-up criteria in 2021, but concentrations remained below the criteria for both sampling events in 2022. The zinc concentrations in this well continue to exhibit a decreasing trend. The increase in zinc concentrations for DW-2 occurred due to a replacement of 160' of 1-1/4" galvanized pipe on 3/29/2019. The replacement of the galvanized pipe was performed by Fogle Pump, and the replacement was due to a pump failure in the well.

## **Mica Landfill Field Parameters**

**Table 2-1: Mica Landfill Field Parameters Summary**

| <b>StationID</b> | <b>SampleDate</b> | <b>Temp</b> | <b>PH</b> | <b>Conductivity</b> | <b>Turbidity</b> | <b>WElev</b> |
|------------------|-------------------|-------------|-----------|---------------------|------------------|--------------|
| DW-001           | 6/7/2022          | 11.2        | 6.94      | 313                 | 0.49             |              |
| DW-001           | 9/13/2022         | 11.6        | 6.72      | 319                 | 0.39             |              |
| DW-002           | 3/8/2022          | 10.9        | 6.93      | 340                 | 0.45             |              |
| DW-002           | 9/13/2022         | 11.3        | 6.65      | 339                 | 0.12             |              |
| DW-003           | 3/8/2022          | 11          | 7.53      | 351                 | 0.23             | 2393.35      |
| DW-003           | 9/13/2022         | 11.6        | 7.22      | 359                 | 0.13             | 2392.54      |
| MS-004           | 3/8/2022          | 9           | 6.93      | 437                 | 1.38             | 2513.65      |
| MS-004           | 9/13/2022         | 9.9         | 6.57      | 438                 | 3.77             | 2512.79      |
| MS-005           | 3/8/2022          | 10.3        | 6.76      | 307                 | 1.4              | 2557.43      |
| MS-005           | 9/13/2022         | 11.1        | 6.74      | 340                 | 0.42             | 2557.74      |
| MW-009           | 3/9/2022          | 5.8         | 7.03      | 406                 | 3.46             | 2494.41      |
| MW-009           | 9/14/2022         | 10.6        | 6.74      | 461                 | 1.21             | 2488.24      |
| MW-010           | 3/8/2022          | 9.7         | 7.34      | 142                 | 0.21             | 2493.86      |
| MW-010           | 9/14/2022         | 10.4        | 7.14      | 134                 | 0.22             | 2489.77      |
| MW-013           | 3/8/2022          | 9.8         | 6.9       | 389                 | 0.87             | 2667.72      |
| MW-013           | 9/13/2022         | 10.9        | 6.93      | 380                 | 0.71             | 2671.45      |
| MW-014           | 3/8/2022          | 8.9         | 7.08      | 134                 | 1.99             | 2591.06      |
| MW-014           | 9/13/2022         | 10.8        | 7.09      | 150                 | 1.21             | 2584.88      |
| MW-016           | 12/7/2021         | 9.5         | 6.96      | 2170                | 2.14             | 2535.76      |
| MW-016           | 3/9/2022          | 10          | 6.87      | 1710                | 1.1              | 2535.93      |
| MW-016           | 6/7/2022          | 11.2        | 6.97      | 1680                | 0.36             | 2536.47      |
| MW-016           | 9/14/2022         | 13.9        | 6.68      | 1766                | 0.98             | 2536.74      |
| MW-019R          | 3/8/2022          | 10.3        | 6.72      | 233                 | 1.54             | 2688.30      |
| MW-019R          | 9/14/2022         | 11.4        | 6.56      | 232                 | 3.38             | 2686.44      |
| MW-020           | 3/8/2022          | 11.8        | 7.28      | 527                 | 12.04            | 2586.03      |
| MW-020           | 9/13/2022         | 11.9        | 6.77      | 462                 | 36.91            | 2593.14      |
| MW-023           | 3/9/2022          | 10.4        | 7.28      | 730                 | 189              | 2558.88      |
| MW-023           | 9/14/2022         | 11.2        | 6.91      | 667                 | 7.68             | 2559.70      |
| MW-029           | 3/9/2022          | 8.9         | 6.32      | 653                 | 1.13             | 2588.04      |
| MW-029           | 9/14/2022         | 9.8         | 6.05      | 628                 | 0.21             | 2589.67      |
| MW-031           | 3/8/2022          | 8.8         | 6.79      | 106                 | 4.99             | 2589.81      |

\* Temp: Degrees C, Conductivity: umhos/cm, Turbidity: NTU, Welev: ft above MSL

## Hydrographs/Groundwater Flow Contours

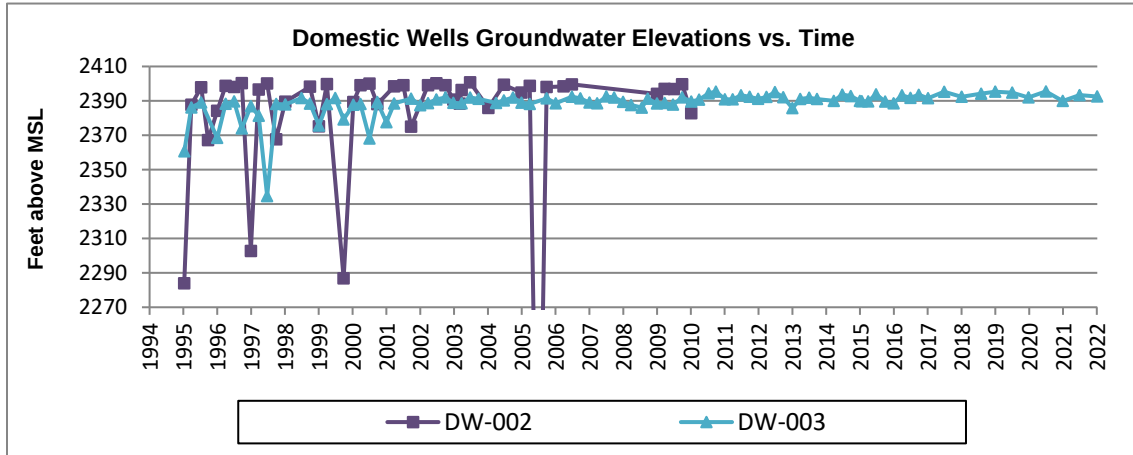


Figure 2-1: Domestic Wells Groundwater Elevation vs. Time

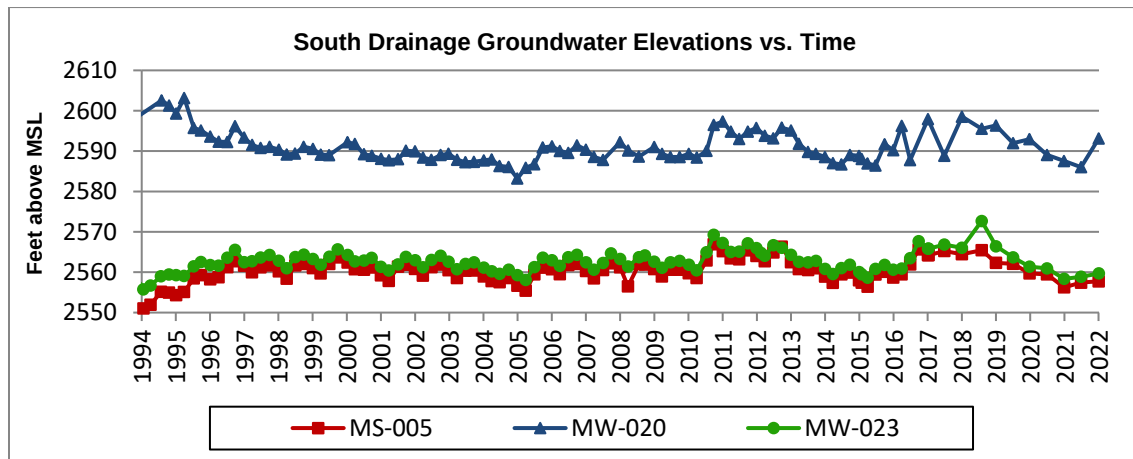


Figure 2-2: South Drainage Groundwater Elevations vs. Time

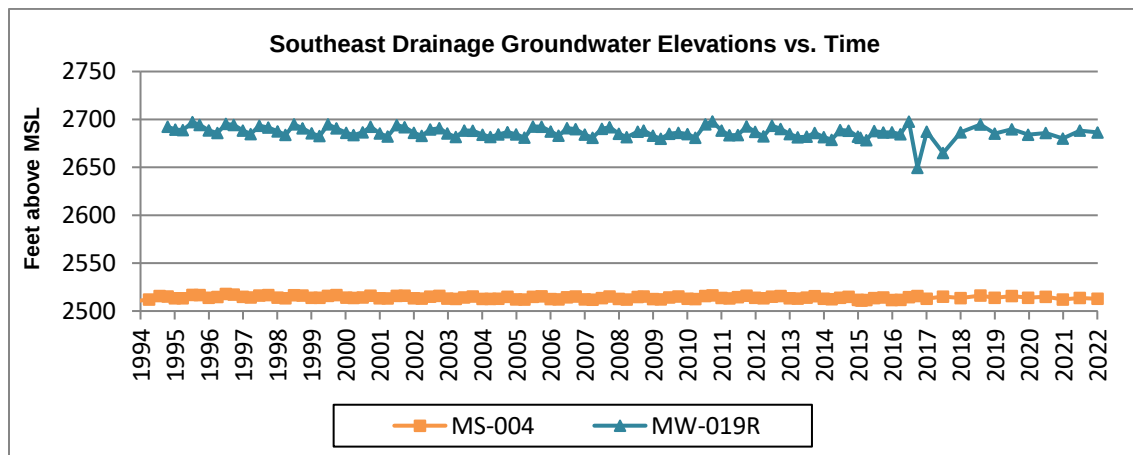


Figure 2-3: Southeast Drainage Groundwater Elevations vs. Time

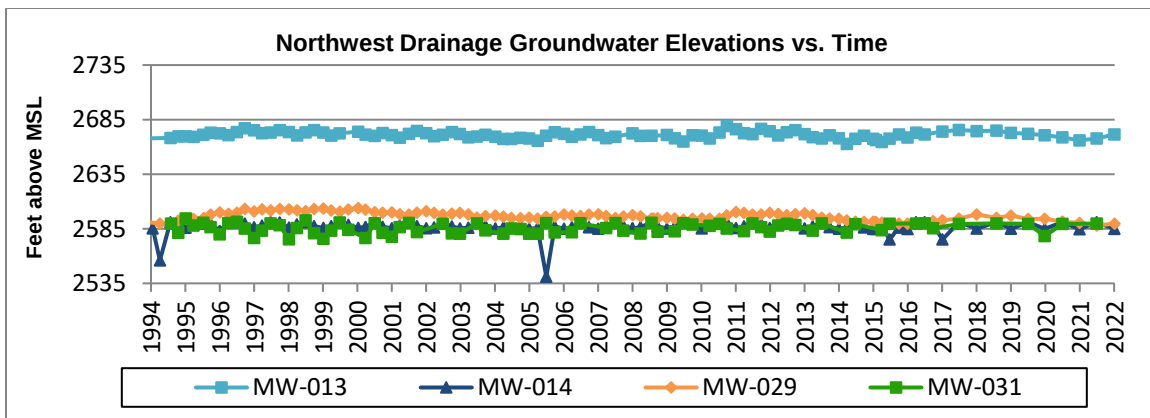


Figure 2-4: Northwest Drainage Groundwater Elevations vs. Time

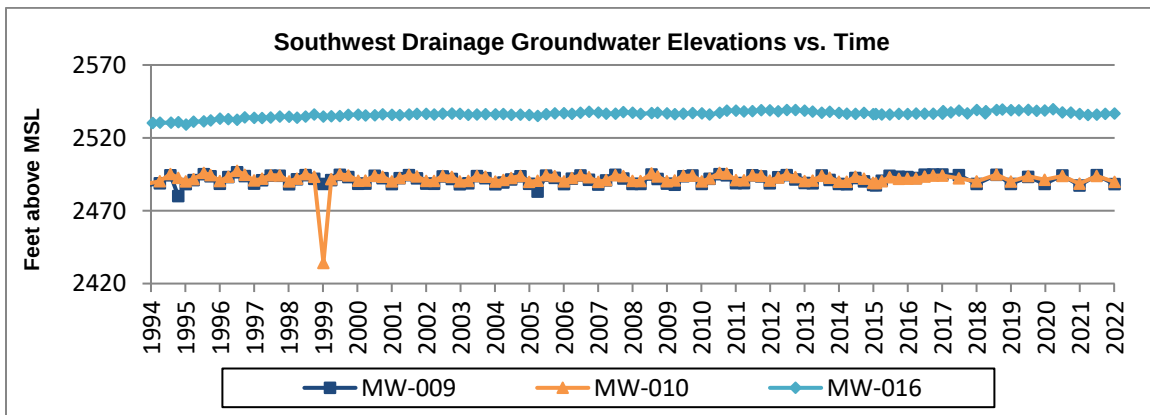


Figure 2-5: Southwest Drainage Groundwater Elevations vs. Time

Table 2-2: Sen's Slope Trend Analysis – Groundwater Elevations (99% Confidence Level)

| Station                   | Parameter     | Slope      | Y-Intercept | Lower Limit | Upper Limit | Result     |
|---------------------------|---------------|------------|-------------|-------------|-------------|------------|
| <b>Domestic Wells</b>     |               |            |             |             |             |            |
| DW-002                    | GW Elevations | 0.00047    | 2380.3      | -0.000505   | 0.00312     | no trend   |
| DW-003                    | GW Elevations | 0.000727   | 2361.7      | 0.000502    | 0.001009    | increasing |
| <b>Southeast Drainage</b> |               |            |             |             |             |            |
| MS-004                    | GW Elevations | -0.000165  | 2520.7      | -0.000299   | -0.0000316  | decreasing |
| MW-019R                   | GW Elevations | -0.000603  | 2710.2      | -0.00101    | -0.0001503  | decreasing |
| <b>South Drainage</b>     |               |            |             |             |             |            |
| MS-005                    | GW Elevations | 0.000456   | 2542.3      | 0.0001764   | 0.000715    | increasing |
| MW-020                    | GW Elevations | -0.000187  | 2597.4      | -0.000555   | 0.0002293   | no trend   |
| MW-023                    | GW Elevations | 0.000315   | 2550        | 0.0000856   | 0.000541    | increasing |
| <b>Southwest Drainage</b> |               |            |             |             |             |            |
| MW-009                    | GW Elevations | 0.00001784 | 2490.1      | -0.0001293  | 0.000202    | no trend   |
| MW-010                    | GW Elevations | -0.0000685 | 2495        | -0.0002216  | 0.0000724   | no trend   |
| MW-016                    | GW Elevations | 0.000585   | 2513.1      | 0.00047     | 0.000701    | increasing |
| <b>Northwest Drainage</b> |               |            |             |             |             |            |
| MW-013                    | GW Elevations | -0.000125  | 2676.2      | -0.000474   | 0.000179    | no trend   |
| MW-014                    | GW Elevations | 0          | 2591.1      | -0.0001993  | 0.0000556   | no trend   |
| MW-029                    | GW Elevations | -0.000999  | 2636.2      | -0.001291   | -0.000703   | decreasing |
| MW-031                    | GW Elevations | 0.000074   | 2584.8      | -0.000125   | 0.000542    | no trend   |

## Groundwater Elevation Contours

Mica Landfill - September 2022

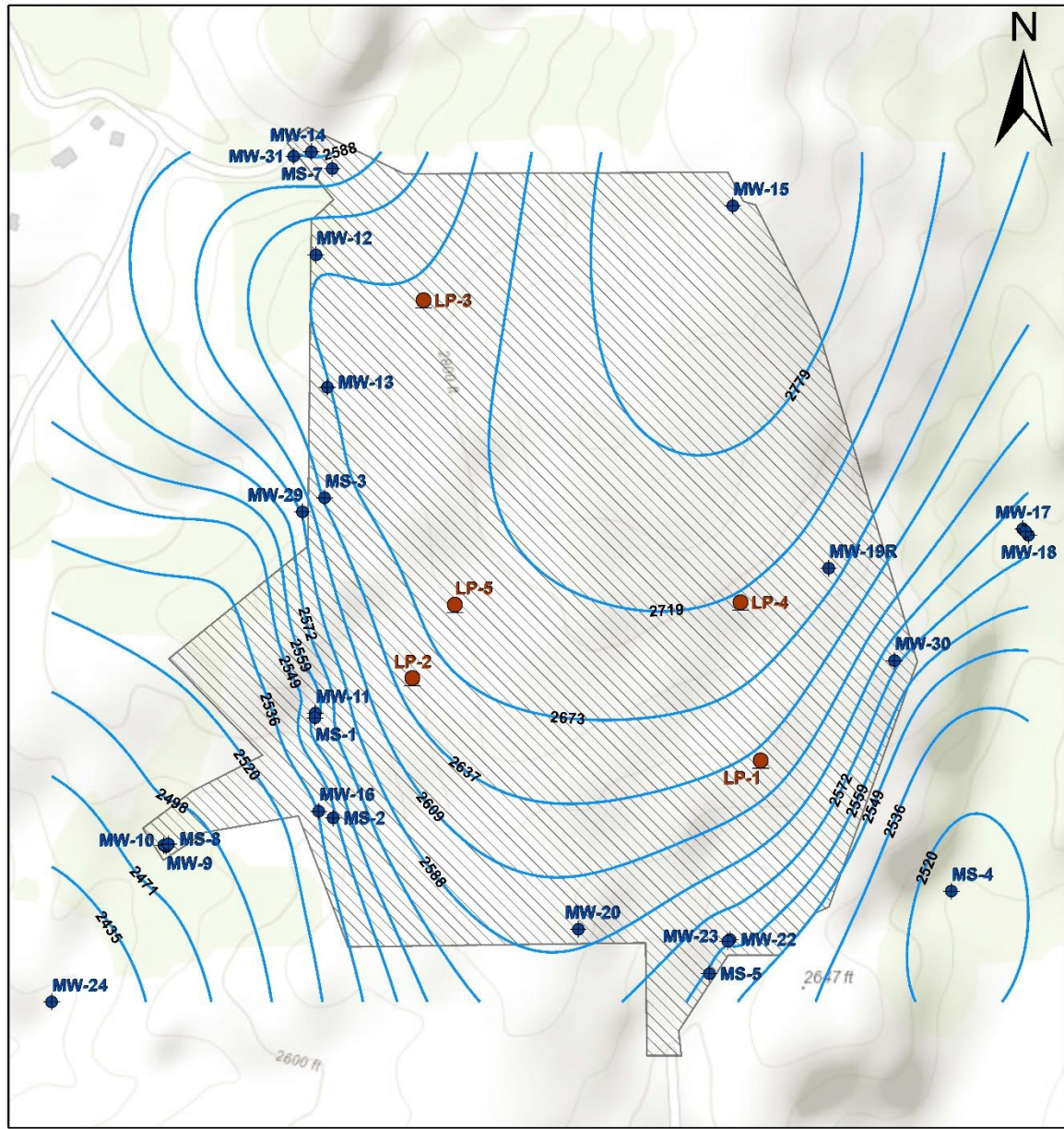


Figure 2-6: Mica Landfill Groundwater Elevation Contours

## Criteria Exceedances

**Table 2-3: Mica Landfill Analyte Criteria Exceedances**

| StationID     | SampleDate       | Analyte                    | MTCAB        | Result      | Detect Limit | Qualifier | Units       | Type     | DrainageArea     |
|---------------|------------------|----------------------------|--------------|-------------|--------------|-----------|-------------|----------|------------------|
| DW-002        | 9/13/2022        | N-Nitrate                  | 0.8          | 1.06        | 0.05         |           | mg/L        | C        | Domestic         |
| DW-003        | 3/8/2022         | N-Nitrate                  | 0.8          | 1.72        | 0.05         |           | mg/L        | C        | Domestic         |
| DW-003        | 9/13/2022        | N-Nitrate                  | 0.8          | 1.77        | 0.05         |           | mg/L        | C        | Domestic         |
| MW-029        | 3/9/2022         | N-Nitrate                  | 0.8          | 0.882       | 0.05         |           | mg/L        | C        | Northwest        |
| MW-031        | 3/8/2022         | N-Nitrate                  | 0.8          | 1.26        | 0.05         |           | mg/L        | C        | Northwest        |
| MS-005        | 3/8/2022         | N-Nitrate                  | 0.8          | 1.42        | 0.05         |           | mg/L        | C        | South            |
| MS-005        | 3/8/2022         | N-Nitrate                  | 0.8          | 1.41        | 0.05         |           | mg/L        | C        | South            |
| MS-005        | 9/13/2022        | N-Nitrate                  | 0.8          | 1.39        | 0.05         |           | mg/L        | C        | South            |
| MW-020        | 3/8/2022         | N-Nitrate                  | 0.8          | 2.02        | 0.05         |           | mg/L        | C        | South            |
| MW-020        | 9/13/2022        | N-Nitrate                  | 0.8          | 2.08        | 0.05         |           | mg/L        | C        | South            |
| MW-020        | 3/8/2022         | Arsenic                    | 0.005        | 0.00696     | 0.003        |           | mg/L        | I        | South            |
| MW-020        | 3/8/2022         | Lead                       | 0.015        | 0.0516      | 0.015        |           | mg/L        | I        | South            |
| MW-020        | 9/13/2022        | Lead                       | 0.015        | 0.0173      | 0.015        |           | mg/L        | I        | South            |
| MS-004        | 3/8/2022         | N-Nitrate                  | 0.8          | 10.1        | 0.5          | D         | mg/L        | C        | Southeast        |
| MS-004        | 9/13/2022        | N-Nitrate                  | 0.8          | 10.4        | 0.5          |           | mg/L        | C        | Southeast        |
| MW-019R       | 3/8/2022         | N-Nitrate                  | 0.8          | 1.26        | 0.05         |           | mg/L        | C        | Southeast        |
| MW-019R       | 9/14/2022        | N-Nitrate                  | 0.8          | 1.29        | 0.05         |           | mg/L        | C        | Southeast        |
| MW-016        | 12/7/2021        | Arsenic                    | 0.005        | 0.0722      | 0.003        |           | mg/L        | I        | Southwest        |
| MW-016        | 3/9/2022         | Arsenic                    | 0.005        | 0.059       | 0.003        |           | mg/L        | I        | Southwest        |
| MW-016        | 6/7/2022         | Arsenic                    | 0.005        | 0.0664      | 0.003        |           | mg/L        | I        | Southwest        |
| MW-016        | 9/14/2022        | Arsenic                    | 0.005        | 0.0649      | 0.003        |           | mg/L        | I        | Southwest        |
| MW-016        | 12/7/2021        | Barium                     | 0.56         | 0.633       | 0.004        |           | mg/L        | I        | Southwest        |
| MW-016        | 3/9/2022         | Barium                     | 0.56         | 0.58        | 0.004        |           | mg/L        | I        | Southwest        |
| MW-016        | 6/7/2022         | Barium                     | 0.56         | 0.704       | 0.004        |           | mg/L        | I        | Southwest        |
| MW-016        | 9/14/2022        | Barium                     | 0.56         | 0.674       | 0.004        |           | mg/L        | I        | Southwest        |
| MW-016        | 12/7/2021        | 1,2-Dichloroethane         | 1.2          | 2.7         | 1            |           | ug/L        | V        | Southwest        |
| MW-016        | 3/9/2022         | 1,2-Dichloroethane         | 1.2          | 2.23        | 0.5          |           | ug/L        | V        | Southwest        |
| MW-016        | 6/7/2022         | 1,2-Dichloroethane         | 1.2          | 2.32        | 0.5          |           | ug/L        | V        | Southwest        |
| MW-016        | 9/14/2022        | 1,2-Dichloroethane         | 1.2          | 2.42        | 0.5          |           | ug/L        | V        | Southwest        |
| <b>MW-016</b> | <b>12/7/2021</b> | <b>1,2-Dichloropropane</b> | <b>0.643</b> | <b>15.1</b> | <b>1</b>     |           | <b>ug/L</b> | <b>V</b> | <b>Southwest</b> |
| MW-016        | 3/9/2022         | 1,2-Dichloropropane        | 0.643        | 13.3        | 0.5          |           | ug/L        | V        | Southwest        |
| MW-016        | 6/7/2022         | 1,2-Dichloropropane        | 0.643        | 13.1        | 0.5          |           | ug/L        | V        | Southwest        |
| MW-016        | 9/14/2022        | 1,2-Dichloropropane        | 0.643        | 14.4        | 0.5          |           | ug/L        | V        | Southwest        |
| MW-016        | 12/7/2021        | Acetone                    | 688          | 740         | 125          | D         | ug/L        | V        | Southwest        |
| <b>MW-016</b> | <b>12/7/2021</b> | <b>Benzene</b>             | <b>0.795</b> | <b>13</b>   | <b>1</b>     |           | <b>ug/L</b> | <b>V</b> | <b>Southwest</b> |
| MW-016        | 3/9/2022         | Benzene                    | 0.795        | 11.7        | 0.5          |           | ug/L        | V        | Southwest        |
| MW-016        | 6/7/2022         | Benzene                    | 0.795        | 11.8        | 0.5          |           | ug/L        | V        | Southwest        |
| MW-016        | 9/14/2022        | Benzene                    | 0.795        | 12.7        | 0.5          |           | ug/L        | V        | Southwest        |
| <b>MW-016</b> | <b>12/7/2021</b> | <b>Vinyl Chloride</b>      | <b>0.023</b> | <b>1.04</b> | <b>1</b>     |           | <b>ug/L</b> | <b>V</b> | <b>Southwest</b> |
| <b>MW-016</b> | <b>3/9/2022</b>  | <b>Vinyl Chloride</b>      | <b>0.023</b> | <b>1.17</b> | <b>0.5</b>   |           | <b>ug/L</b> | <b>V</b> | <b>Southwest</b> |
| <b>MW-016</b> | <b>6/7/2022</b>  | <b>Vinyl Chloride</b>      | <b>0.023</b> | <b>1.17</b> | <b>0.5</b>   |           | <b>ug/L</b> | <b>V</b> | <b>Southwest</b> |
| <b>MW-016</b> | <b>9/14/2022</b> | <b>Vinyl Chloride</b>      | <b>0.023</b> | <b>0.91</b> | <b>0.5</b>   |           | <b>ug/L</b> | <b>V</b> | <b>Southwest</b> |

Results with reporting limits greater than the Method B clean-up levels are highlighted in **Red**

***Criteria Exceedances – Summary of changes from 2021 to 2022:***

| StationID | Drainage  | Analyte   | Summary of change                                                        |
|-----------|-----------|-----------|--------------------------------------------------------------------------|
| DW-002    | Domestic  | Zinc      | Decreased from <b>exceedance</b> in 2021 to <b>no exceedance</b> in 2022 |
| MW-031    | Northwest | N-Nitrate | Increased from <b>no exceedance</b> in 2021 to <b>exceedance</b> in 2022 |
| MW-020    | South     | Arsenic   | Increased from <b>no exceedance</b> in 2021 to <b>exceedance</b> in 2022 |

### **Mica Landfill Volatile Organic Detections**

*Table 2-4: Mica Landfill VOC Detections for the Reporting Period (ug/L)*

| StationID | SampleDate | 1,2-DCA | 1,2-DCP | Acetone | Benzene | cis-1,2-DCE | Ethylbenzene | m,p-Xylene | o-Xylene | Toluene | VC   | TCE  | PCE  |
|-----------|------------|---------|---------|---------|---------|-------------|--------------|------------|----------|---------|------|------|------|
| MW-016    | 12/7/2021  | 2.7     | 15.1    | 740     | 13      | 5.02        | 63           | 43.6       | 18.8     | 12.6    | 1.04 |      |      |
| MW-016    | 3/9/2022   | 2.23    | 13.3    | 123     | 11.7    | 2.16        | 53.8         | 35.5       | 16.3     | 5.28    | 1.17 | 0.5  |      |
| MW-016    | 6/7/2022   | 2.32    | 13.1    | 408     | 11.8    | 3.71        | 56.6         | 39.7       | 16.9     | 9.65    | 1.17 | 0.5  |      |
| MW-016    | 9/14/2022  | 2.42    | 14.4    | 304     | 12.7    | 2.95        | 48.8         | 43.6       | 20.4     | 8.09    | 0.91 | 0.53 |      |
| MW-029    | 3/9/2022   |         |         |         |         |             |              |            |          |         |      |      | 0.52 |
| MW-029    | 9/14/2022  |         |         |         |         |             |              |            |          |         |      |      | 0.59 |

Clean-up level exceedances are in **red**.

### **Mica Landfill Semi-Volatile Organic Detections**

*Table 2-5: Mica Landfill SVOC Detections for the Reporting Period (ug/L)*

| StationID | SampleDate | bis(2-Ethylhexyl)Phthalate | Units | Qualifier |
|-----------|------------|----------------------------|-------|-----------|
| DW-002    | 3/8/2022   | 0.5                        | ug/L  | U         |
| DW-003    | 3/8/2022   | 0.5                        | ug/L  | U         |
| MS-004    | 3/8/2022   | 0.5                        | ug/L  | U         |
| MS-005    | 3/8/2022   | 0.5                        | ug/L  | U         |
| MW-009    | 3/9/2022   | 0.5                        | ug/L  | U         |
| MW-029    | 3/9/2022   | 0.5                        | ug/L  | U         |
| DW-001    | 6/7/2022   | 0.87                       | ug/L  |           |
| MS-004    | 9/13/2022  | 0.5                        | ug/L  | U         |

Clean-up level exceedances are in **red**.

## Mica Landfill Inorganic Detections

Table 2-6: Inorganics Detections for the Reporting Period (mg/L)

| StationID | SampleDate | Arsenic | Barium | Lead   | Manganese | Vanadium | Zinc   |
|-----------|------------|---------|--------|--------|-----------|----------|--------|
| DW-001    | 6/7/2022   |         | 0.0262 |        | 0.0112    | 0.0058   | 0.108  |
| DW-001    | 9/13/2022  |         | 0.0157 |        |           |          | 0.0598 |
| DW-002    | 3/8/2022   |         | 0.0323 |        | 0.0147    |          | 0.354  |
| DW-002    | 9/13/2022  |         | 0.0387 |        |           |          | 0.0363 |
| DW-003    | 3/8/2022   |         | 0.0284 |        |           |          | 0.0954 |
| DW-003    | 9/13/2022  |         | 0.0277 |        |           |          | 0.0811 |
| MS-004    | 3/8/2022   |         | 0.0891 |        | 0.0222    |          |        |
| MS-004    | 9/13/2022  |         | 0.0881 |        | 0.016     |          |        |
| MS-005    | 3/8/2022   |         | 0.0459 |        |           |          |        |
| MS-005    | 9/13/2022  |         | 0.0443 |        |           |          |        |
| MW-009    | 3/9/2022   |         | 0.116  |        | 0.139     |          |        |
| MW-009    | 9/14/2022  |         | 0.135  |        | 0.558     | 0.0053   |        |
| MW-010    | 3/8/2022   |         | 0.044  |        |           |          |        |
| MW-010    | 9/14/2022  |         | 0.0449 |        |           |          |        |
| MW-013    | 3/8/2022   |         | 0.0486 |        |           |          |        |
| MW-013    | 9/13/2022  |         | 0.0464 |        |           |          |        |
| MW-014    | 3/8/2022   |         |        |        | 0.16      |          |        |
| MW-014    | 9/13/2022  |         |        |        | 0.097     |          |        |
| MW-016    | 12/7/2021  | 0.0722  | 0.633  |        | 0.522     |          |        |
| MW-016    | 3/9/2022   | 0.059   | 0.58   |        | 0.433     |          |        |
| MW-016    | 6/7/2022   | 0.0664  | 0.704  |        | 0.507     |          |        |
| MW-016    | 9/14/2022  | 0.0649  | 0.674  |        | 0.503     |          |        |
| MW-019R   | 3/8/2022   |         | 0.0328 |        |           |          |        |
| MW-019R   | 9/14/2022  |         | 0.032  |        |           |          |        |
| MW-020    | 3/8/2022   | 0.00696 | 0.458  | 0.0516 | 0.262     | 0.0058   | 0.0836 |
| MW-020    | 9/13/2022  |         | 0.272  | 0.0173 | 0.101     |          | 0.0338 |
| MW-023    | 3/9/2022   |         | 0.128  |        | 0.858     |          |        |
| MW-023    | 9/14/2022  |         | 0.126  |        | 0.921     |          |        |
| MW-029    | 3/9/2022   |         | 0.1    |        |           |          |        |
| MW-029    | 9/14/2022  |         | 0.1    |        |           |          |        |
| MW-031    | 3/8/2022   |         | 0.0411 |        | 0.0129    |          |        |

Clean-up level exceedances are in **red**

### Mica Landfill Conventional Detections

**Table 2-7: Conventional Detections for the Reporting Period (mg/L)**

| StationID | SampleDate | ALK  | CI   | N-NH3 | N-NO3 | SO4  | TDS  | TOC  |
|-----------|------------|------|------|-------|-------|------|------|------|
| DW-001    | 6/7/2022   | 142  | 13.6 |       | 0.245 | 10.1 |      | 1    |
| DW-001    | 9/13/2022  | 141  | 11.9 |       | 0.231 | 10.7 |      | 1.11 |
| DW-002    | 3/8/2022   | 161  | 6.2  |       | 0.764 | 6.65 |      |      |
| DW-002    | 9/13/2022  | 161  | 8.08 |       | 1.06  | 5.06 |      |      |
| DW-003    | 3/8/2022   | 192  | 0.85 |       | 1.72  | 1.25 |      |      |
| DW-003    | 9/13/2022  | 181  | 0.79 |       | 1.77  | 1.74 |      |      |
| MS-004    | 3/8/2022   | 177  | 0.68 | 0.144 | 10.1  | 9.84 | 264  | 1.62 |
| MS-004    | 9/13/2022  | 180  | 0.67 |       | 10.4  | 10.7 | 231  | 1.67 |
| MS-005    | 3/8/2022   | 115  | 21.7 |       | 1.42  | 15.7 | 189  | 1.44 |
| MS-005    | 9/13/2022  | 104  | 21.3 |       | 1.39  | 16.3 | 103  | 1.32 |
| MW-009    | 3/9/2022   | 200  | 10.8 |       | 0.137 | 3.17 | 255  | 2.81 |
| MW-009    | 9/14/2022  | 249  | 12.4 |       | 0.071 | 3.04 | 292  | 2.88 |
| MW-010    | 3/8/2022   | 95.1 | 0.45 |       | 0.24  | 0.74 | 108  |      |
| MW-010    | 9/14/2022  | 94.9 | 0.47 |       | 0.248 | 1.11 | 128  |      |
| MW-013    | 3/8/2022   | 202  | 8.69 |       | 0.381 | 3.31 | 173  | 1.23 |
| MW-013    | 9/13/2022  | 193  | 8.46 |       | 0.538 | 3.6  | 133  | 1.15 |
| MW-014    | 3/8/2022   | 80.3 | 0.8  |       |       | 9.09 | 93   |      |
| MW-014    | 9/13/2022  | 81.3 | 0.76 |       |       | 9.34 | 72   |      |
| MW-016    | 12/7/2021  |      |      | 0.401 |       |      |      | 41.9 |
| MW-016    | 3/9/2022   | 1300 | 166  | 0.484 |       |      | 1390 | 29   |
| MW-016    | 6/7/2022   |      |      | 0.444 |       |      |      | 35.6 |
| MW-016    | 9/14/2022  | 1360 | 164  | 0.456 | 0.152 | 1.18 | 1540 | 34   |
| MW-019R   | 3/8/2022   | 106  | 6.16 |       | 1.26  | 4.65 | 117  | 1.15 |
| MW-019R   | 9/14/2022  | 107  | 5.82 |       | 1.29  | 4.72 | 214  |      |
| MW-020    | 3/8/2022   | 246  | 7.52 |       | 2.02  | 6.57 | 293  | 1.26 |
| MW-020    | 9/13/2022  | 238  | 7.59 |       | 2.08  | 5.63 | 225  | 1.48 |
| MW-023    | 3/9/2022   | 331  | 47.8 |       |       | 9.02 | 456  | 3.05 |
| MW-023    | 9/14/2022  | 330  | 44.2 |       |       | 9    | 451  | 2.29 |
| MW-029    | 3/9/2022   | 105  | 144  |       | 0.882 | 7.27 | 374  | 1.09 |
| MW-029    | 9/14/2022  | 108  | 141  |       | 0.516 | 7.62 | 466  |      |
| MW-031    | 3/8/2022   | 44.5 | 1.9  |       | 1.26  | 4.47 | 103  | 6.61 |

Clean-up level exceedances are in **red**

# VOC detections/exceedance maps – 1,2-Dichloroethane

## Mica Landfill - September 2022

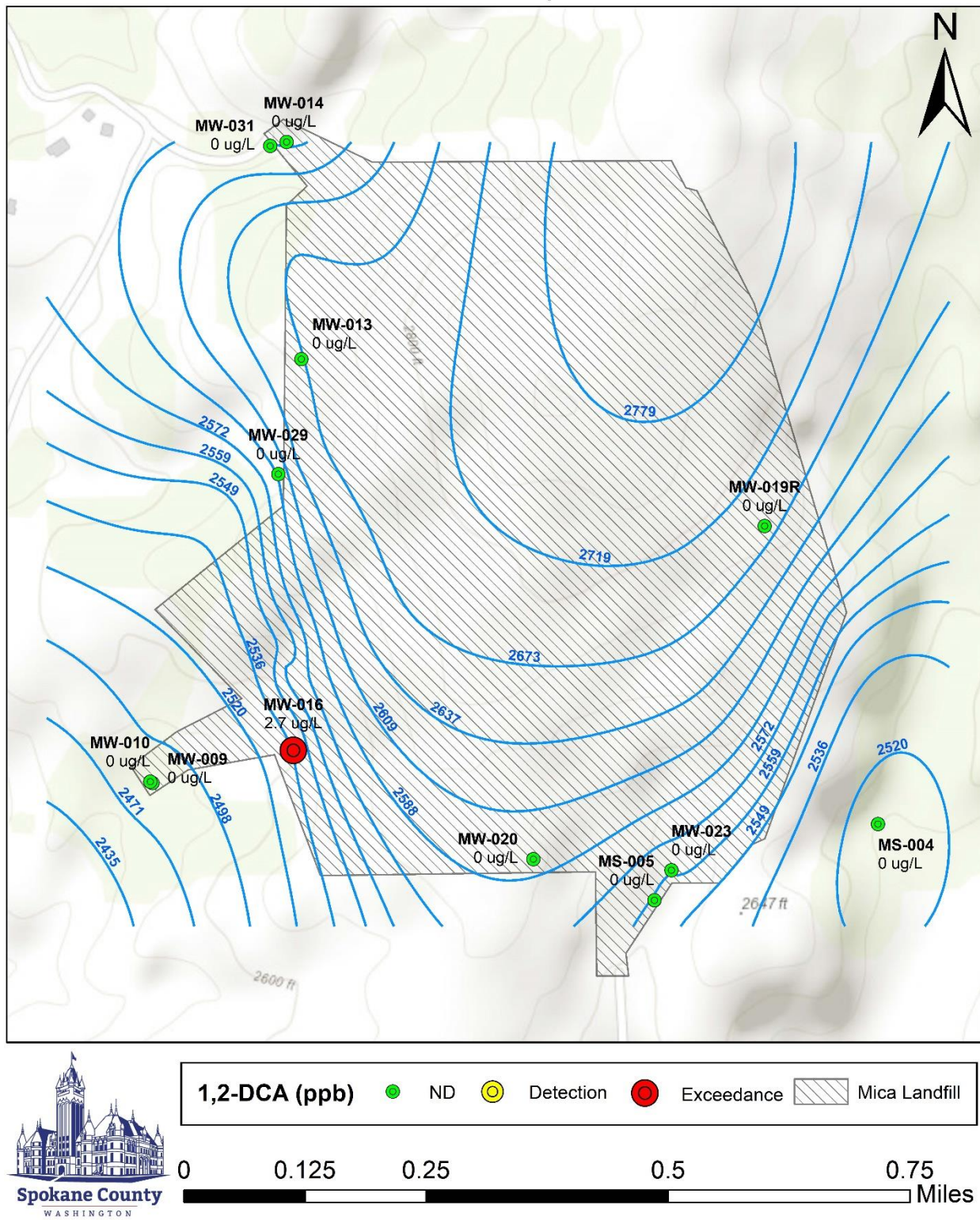


Figure 2-7: 1,2-Dichloroethane detections/exceedance map

VOC detections/exceedance maps – 1,2-Dichloropropane

Mica Landfill - September 2022

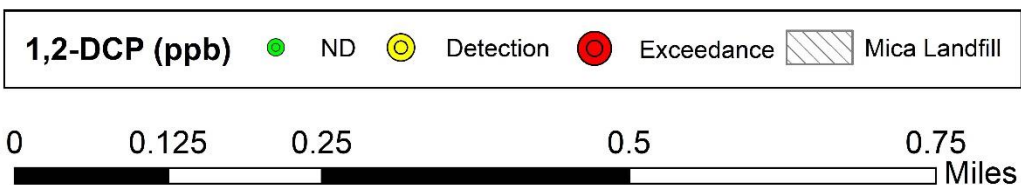
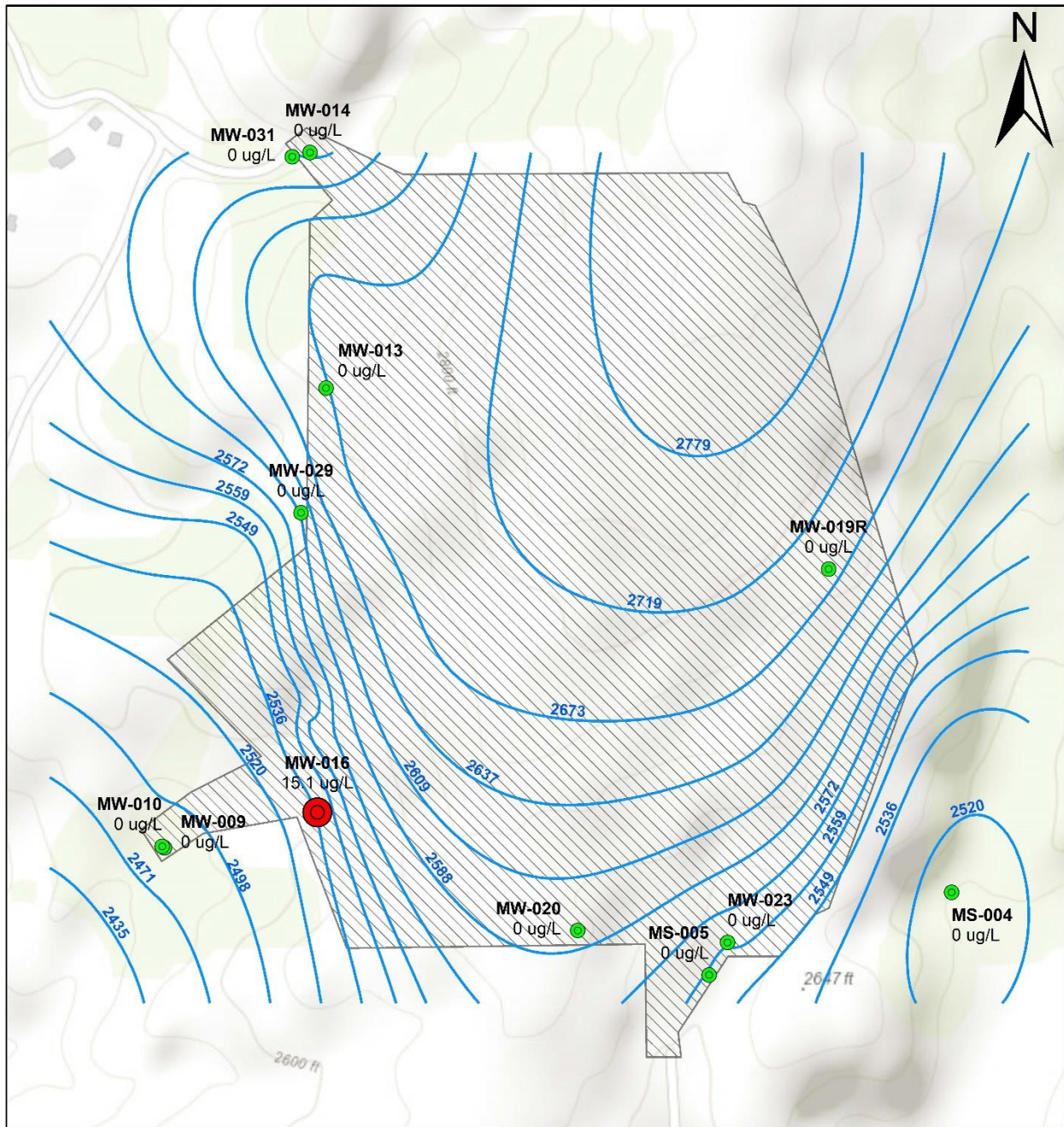


Figure 2-8: 1,2-Dichloropropane detections/exceedance map

VOC detections/exceedance maps - Acetone

Mica Landfill - September 2022

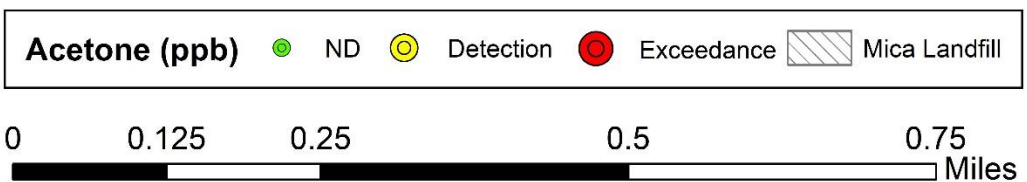
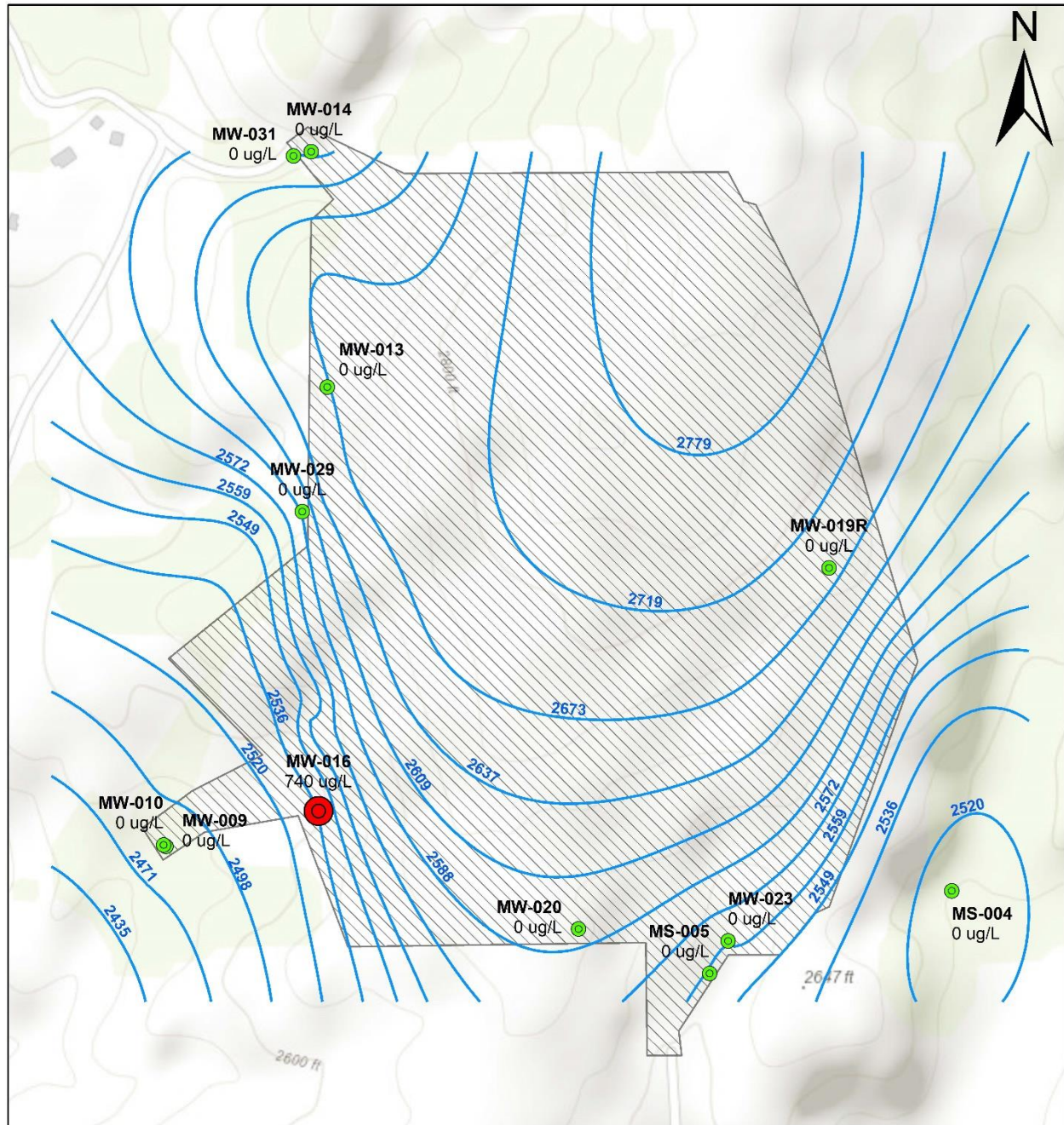


Figure 2-9: Acetone detections/exceedance map

VOC detections/exceedance maps – Benzene

Mica Landfill - September 2022

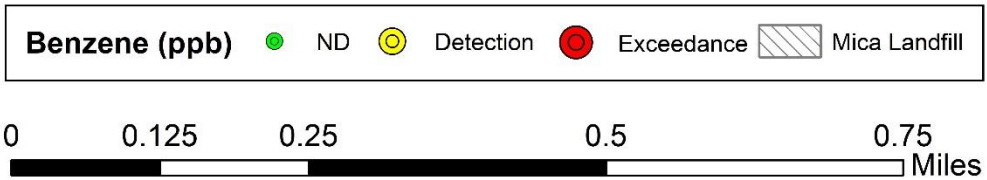
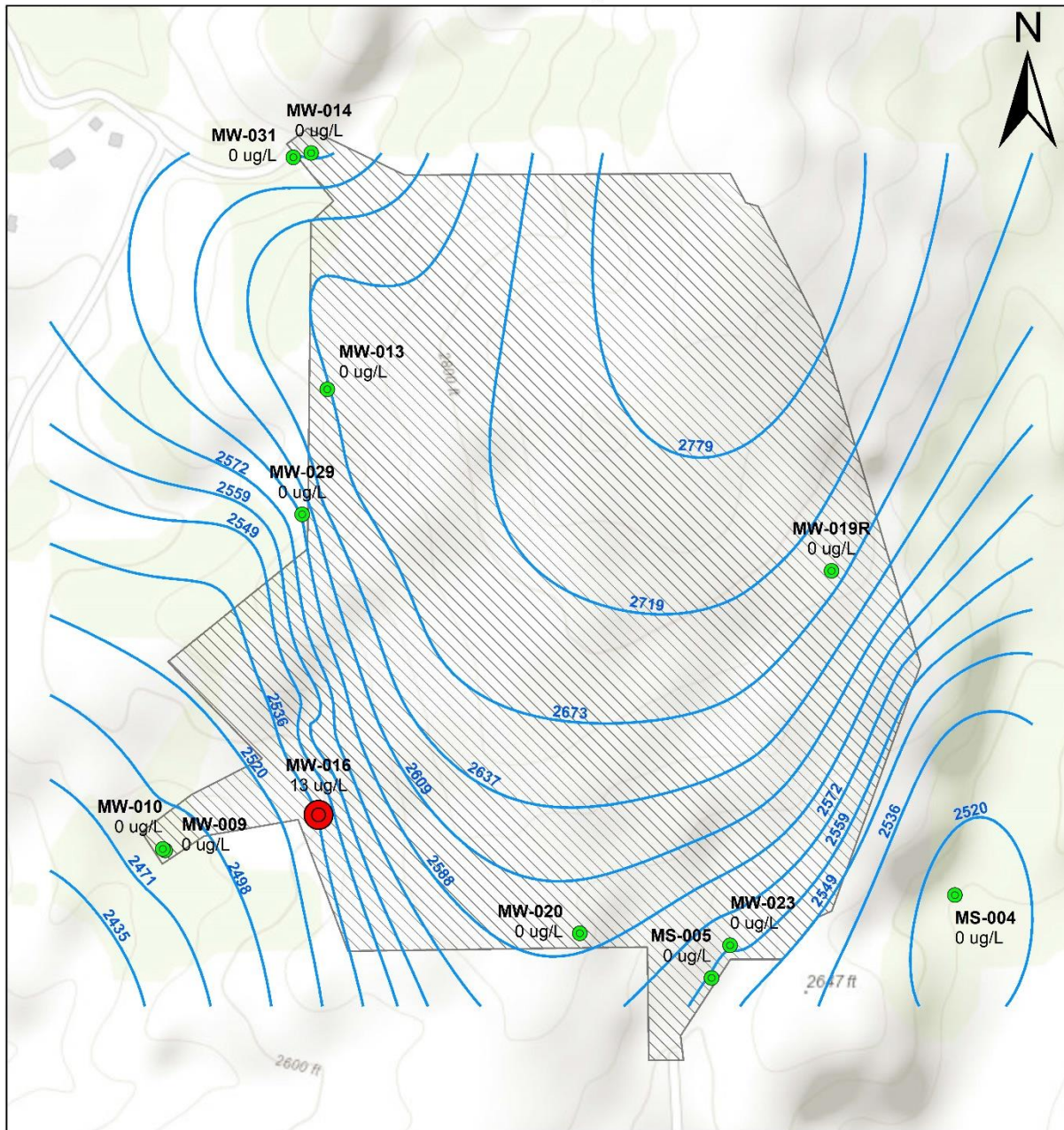


Figure 2-10: Benzene detections/exceedance map

VOC detections/exceedance maps – Vinyl chloride

Mica Landfill - September 2022

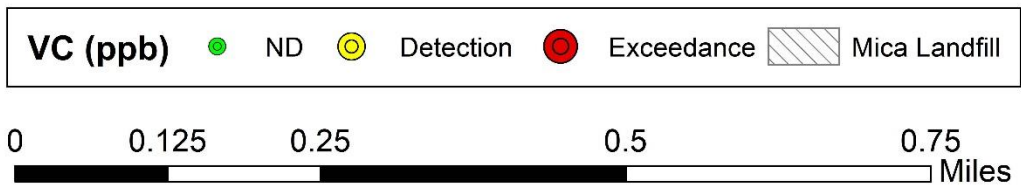
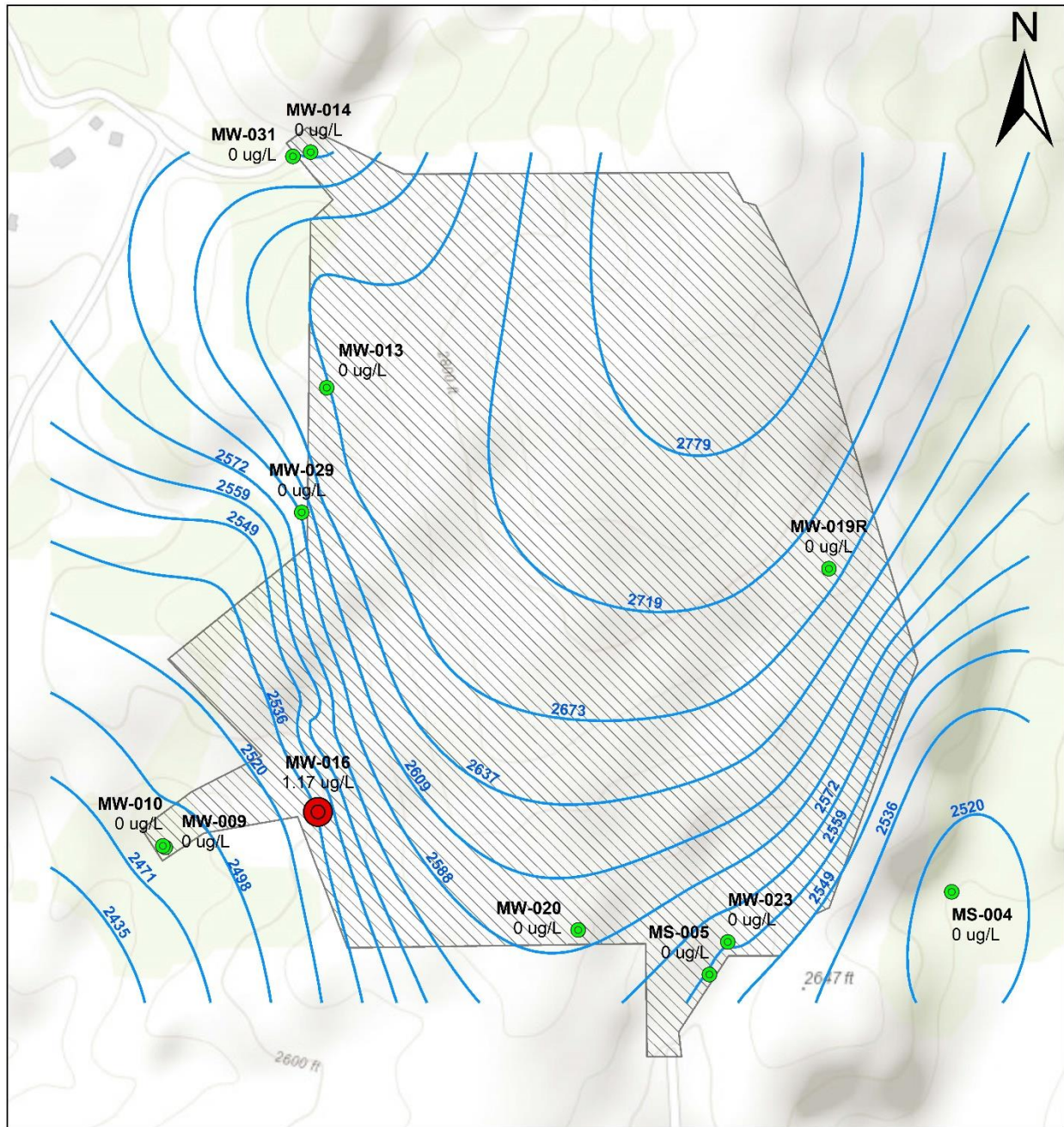
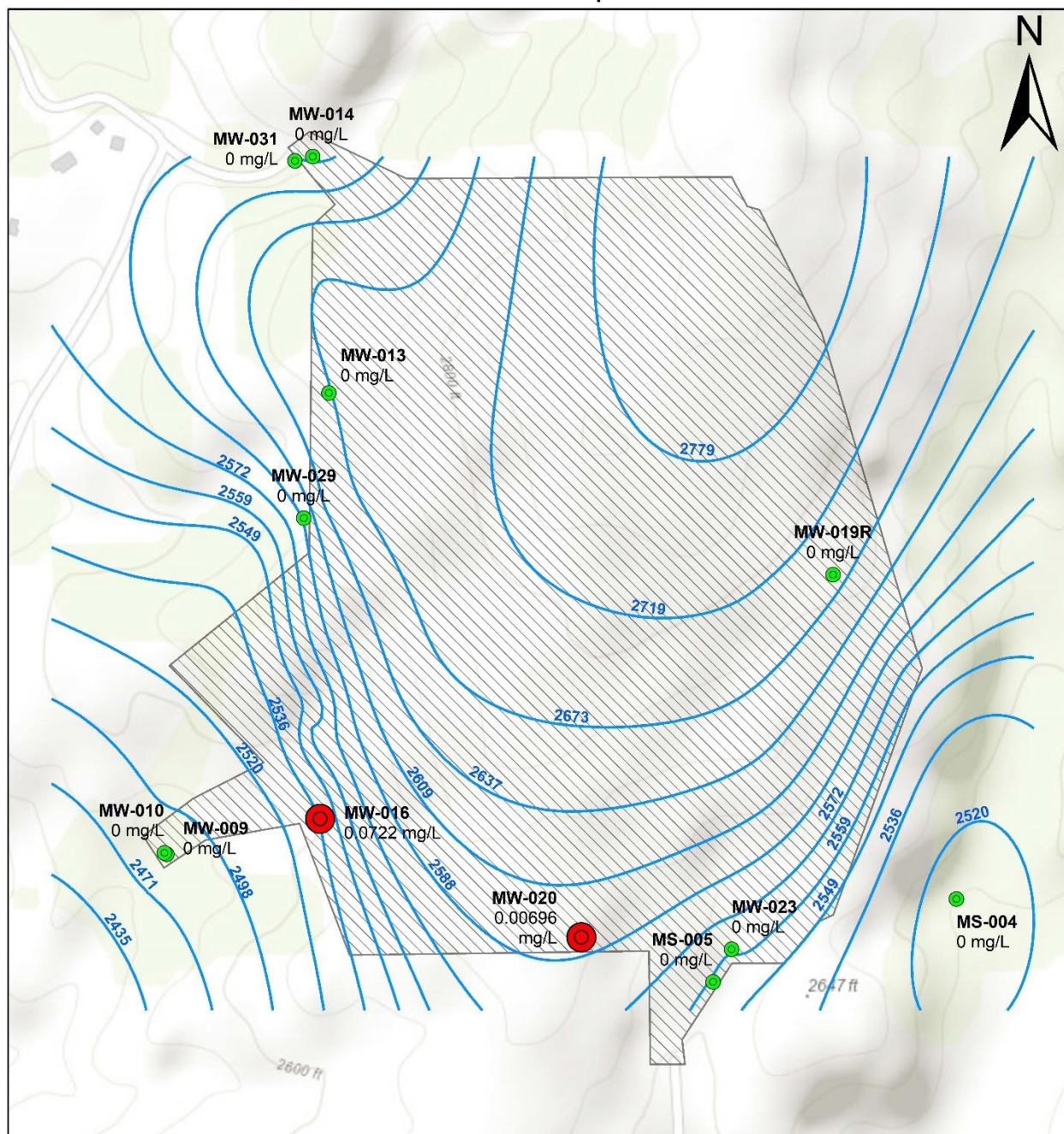


Figure 2-11: Vinyl chloride detections/exceedance map

# Inorganics detections/exceedance maps – Arsenic

## Mica Landfill - September 2022



**Arsenic (ppm)**



ND



Detection



Exceedance

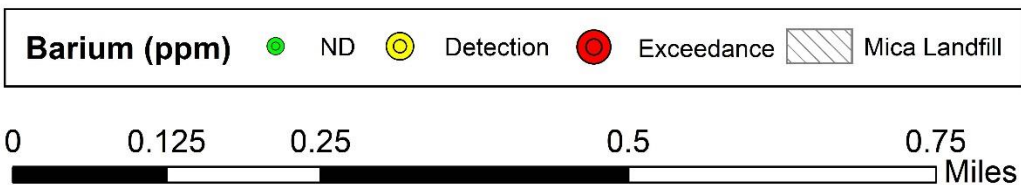
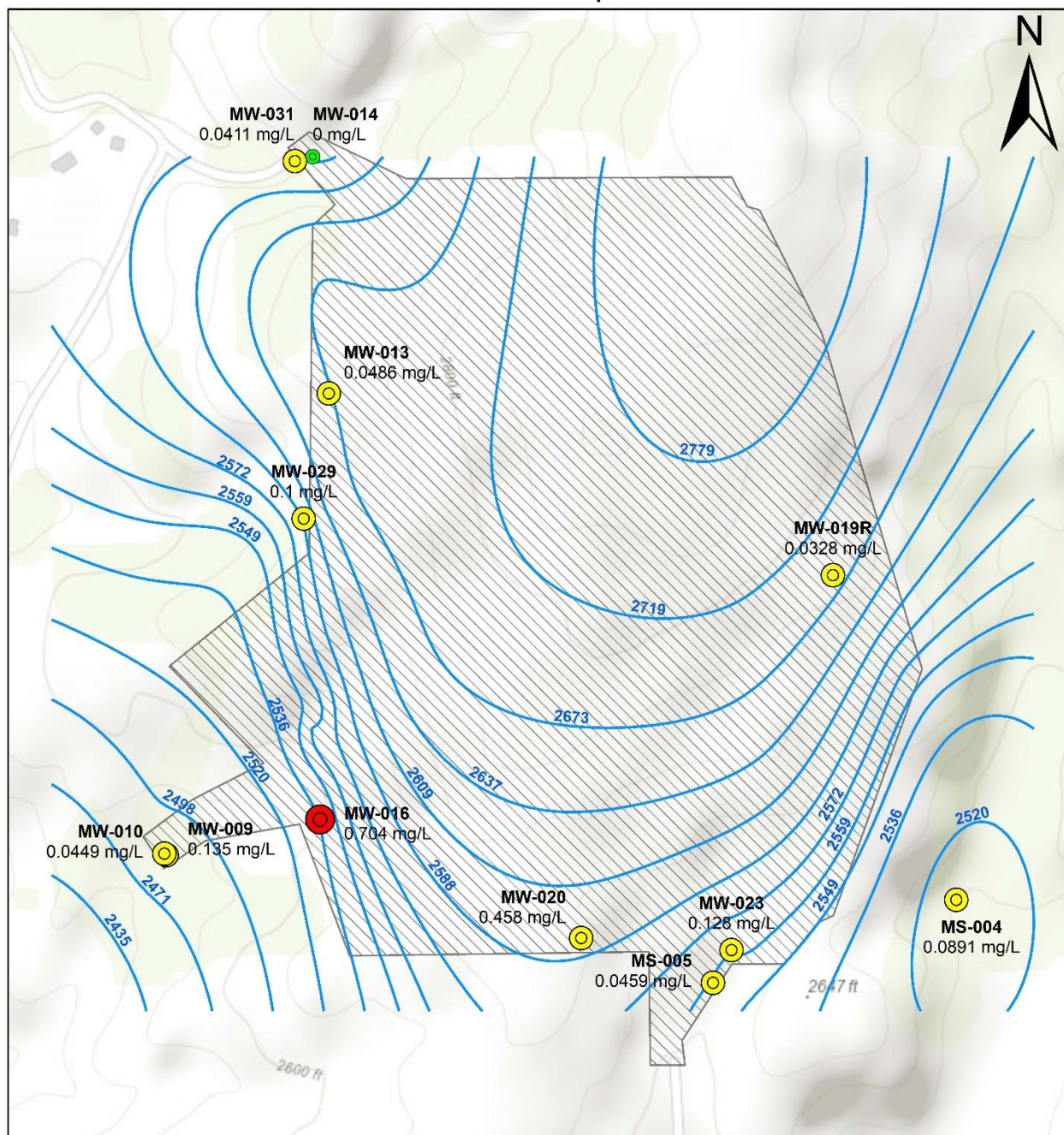


Mica Landfill

0 0.125 0.25 0.5 0.75 Miles

Figure 2-12: Arsenic detections/exceedance map

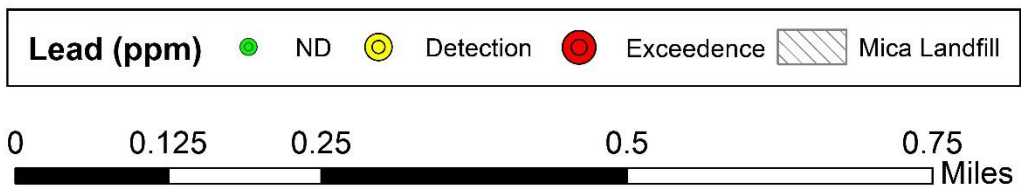
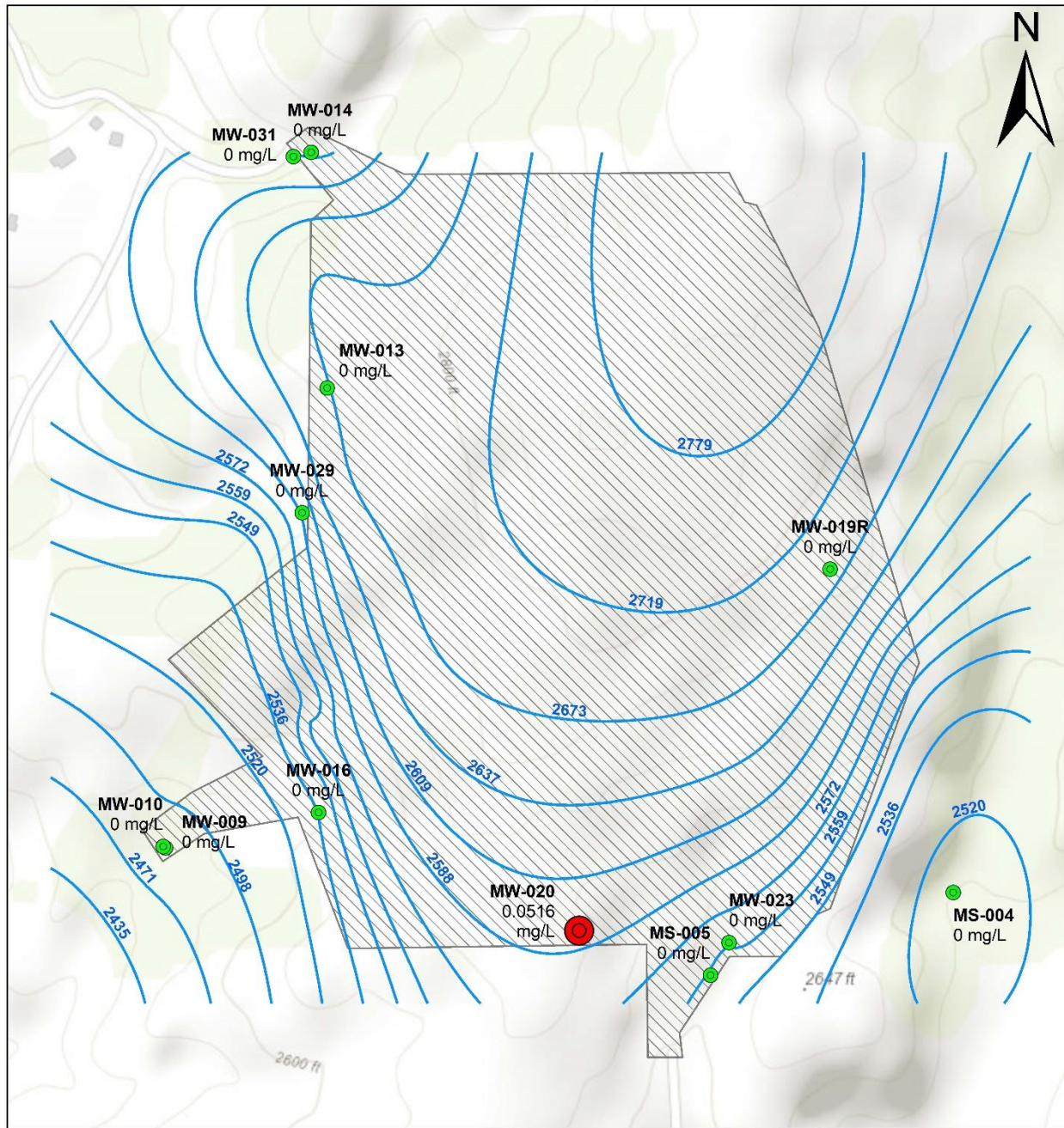
**Inorganics detections/exceedance maps – Barium**  
**Mica Landfill - September 2022**



**Figure 2-13: Barium detections/exceedance map**

***Inorganics detections/exceedance maps – Lead***

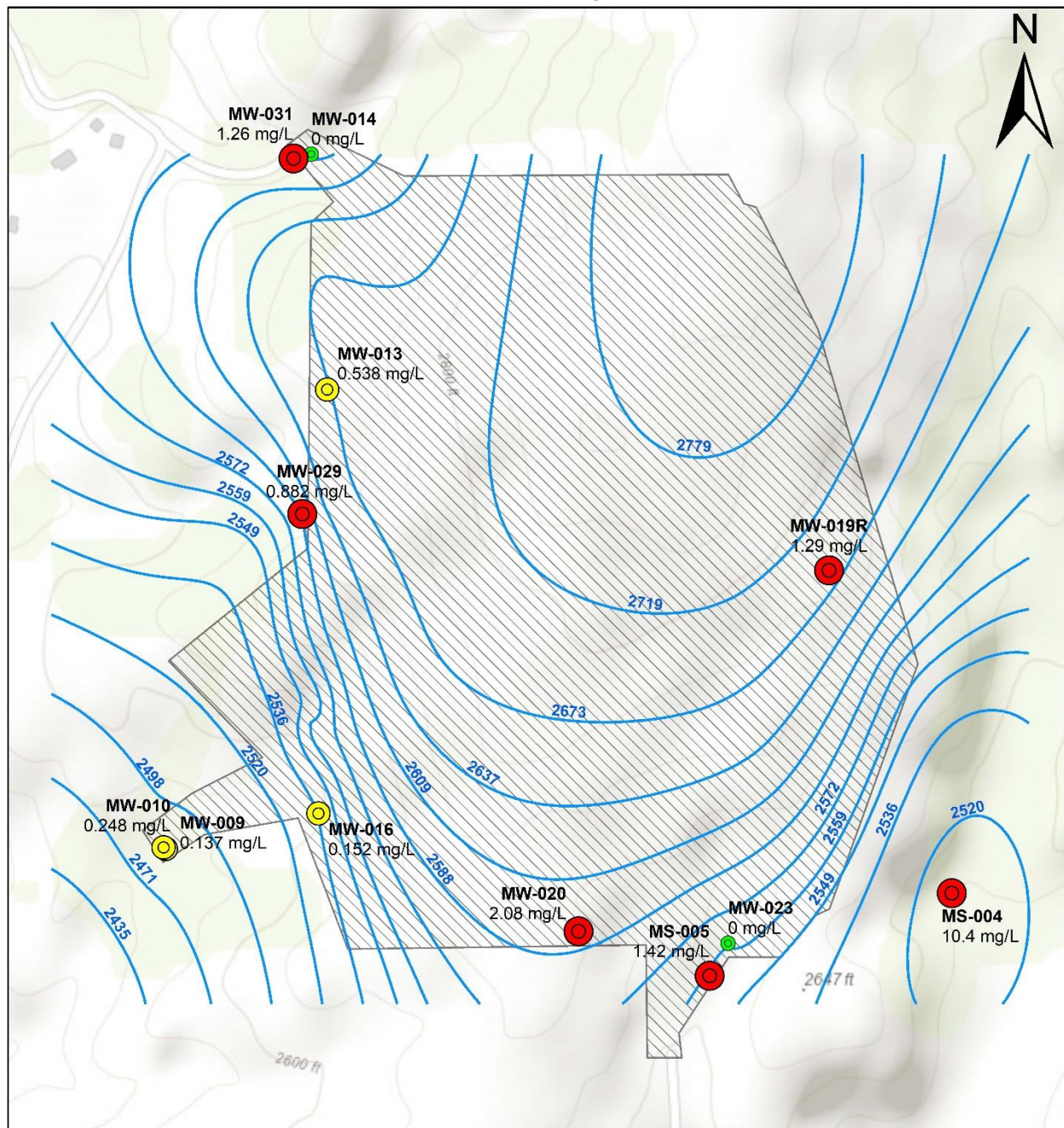
**Mica Landfill - September 2022**



**Figure 2-14: Lead detections/exceedance map**

# Conventional detections/exceedance maps – Nitrate

## Mica Landfill - September 2022



Nitrate (ppm)



ND



Detection



Exceedance



Mica Landfill



Figure 2-15: Nitrate detections/exceedance map

## Mica Landfill Trend Analysis - 2022

Table 2-8: Mica Landfill Trend Analysis

| Drainage:   | Northwest |       |       |       | Southwest |       |       | South |       |       | Southeast |        | Domestic |      |      |
|-------------|-----------|-------|-------|-------|-----------|-------|-------|-------|-------|-------|-----------|--------|----------|------|------|
| Analyte     | MW-13     | MW-14 | MW-29 | MW-31 | MW-9      | MW-10 | MW-16 | MS-5  | MW-20 | MW-23 | MS-4      | MW-19R | DW-1     | DW-2 | DW-3 |
| Alkalinity  |           | ▲     | ▲     | ▼     | ▼         | ▲     | ▲     |       |       |       | ▲         | ▼      | ▼        |      |      |
| Ammonia     |           |       |       |       |           |       | ▲     |       |       |       |           |        |          |      |      |
| Chloride    |           |       | ▲     | ▼     | ▼         | ▼     | ▲     | ▲     | ▼     | ▲     |           | ▼      | ▲        |      |      |
| Nitrate     | ▼         |       | ▲     |       |           | ▲     |       | ▼     | ▼     | ▼     | ▲         |        | ▲        | ▼    | ▲    |
| Sulfate     | ▼         |       | ▲     | ▼     | ▼         |       | ▼     | ▲     | ▼     |       | ▲         | ▼      |          |      | ▲    |
| TDS         |           |       | ▲     | ▼     | ▼         |       |       |       | ▼     |       | ▲         | ▼      |          |      |      |
| TOC         |           |       |       |       | ▼         |       | ▼     |       | ▼     |       |           | ▼      |          |      |      |
| Arsenic     |           |       |       |       |           |       | ▲*    |       |       |       |           |        |          |      |      |
| Barium      | ▼*        |       | ▲*    | ▼*    | ▲*        | ▲*    | ▼*    | ▼*    |       | ▼*    | ▲*        | ▼*     | ▲*       |      | ▲*   |
| Manganese   |           |       |       |       | ▼*        |       | ▼*    |       |       | ▲*    |           |        |          |      |      |
| Zinc        |           |       |       |       |           |       |       |       |       |       |           |        |          |      | ▼*   |
| 1,2-DCA     |           |       |       |       |           |       |       |       |       | ▼     |           |        |          |      |      |
| 1,2-DCP     |           |       |       |       |           |       |       |       |       | ▼     |           |        |          |      |      |
| Acetone     |           |       |       |       |           |       | ▼     |       |       |       |           |        |          |      |      |
| Benzene     |           |       |       |       |           |       | ▲     |       |       |       |           |        |          |      |      |
| Cis-1,2-DCE |           |       |       |       |           |       |       |       |       | ▼     |           | ▼      |          |      |      |
| MC          |           |       |       |       |           |       | ▼     |       |       | ▼     |           |        |          |      |      |
| PCE         | ▼         |       |       |       |           |       |       |       |       | ▼     |           |        |          |      |      |
| TCE         |           |       |       |       |           |       | ▼     |       |       | ▼     |           |        |          |      |      |
| Toluene     |           |       |       |       |           |       | ▼     |       |       |       |           |        |          |      |      |
| VC          |           |       |       |       |           |       |       |       |       |       |           |        |          |      |      |

|   |                                                  |
|---|--------------------------------------------------|
| ▲ | = Increasing trend                               |
| ▼ | = Decreasing trend                               |
|   | = Criteria exceedances for this reporting period |

\* Statistical analysis calculated on metals data collected after March 2002. May not reflect overall historical trend. (99% Confidence level)

***Trend Analysis – Summary of changes from 2021 to 2022:***

| StationID | Drainage  | Analyte    | Summary of change                                                                             |
|-----------|-----------|------------|-----------------------------------------------------------------------------------------------|
| DW-003    | Domestic  | Alkalinity | Increased: statistically significant decreasing trend to no statistically significant trend   |
| MW-013    | Northwest | Alkalinity | Decreased: statistically significant increasing trend to no statistically significant trend.  |
| MW-014    | Northwest | Alkalinity | Increased: no statistically significant trend to a statistically significant increasing trend |
| MW-020    | South     | TDS        | Decreased: no statistically significant trend to a statistically significant decreasing trend |
| MW-016    | Southwest | Acetone    | Decreased: no statistically significant trend to a statistically significant decreasing trend |

## NW Drainage Monitoring Wells: VOCs/SVOCs Time Series Graphs

Figure 2-16: NW Wells – VOCs / SVOCs Concentration Graphs

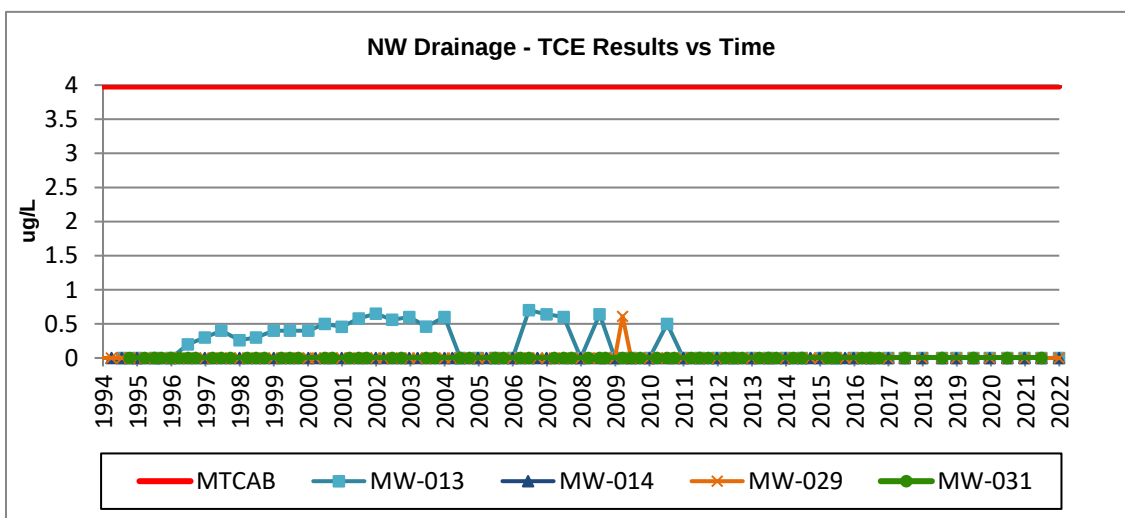
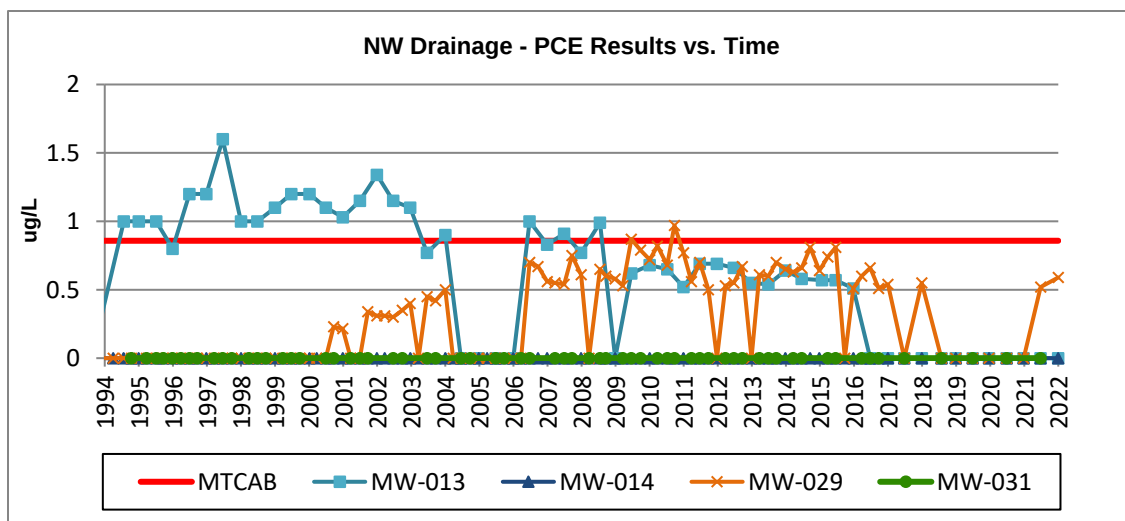
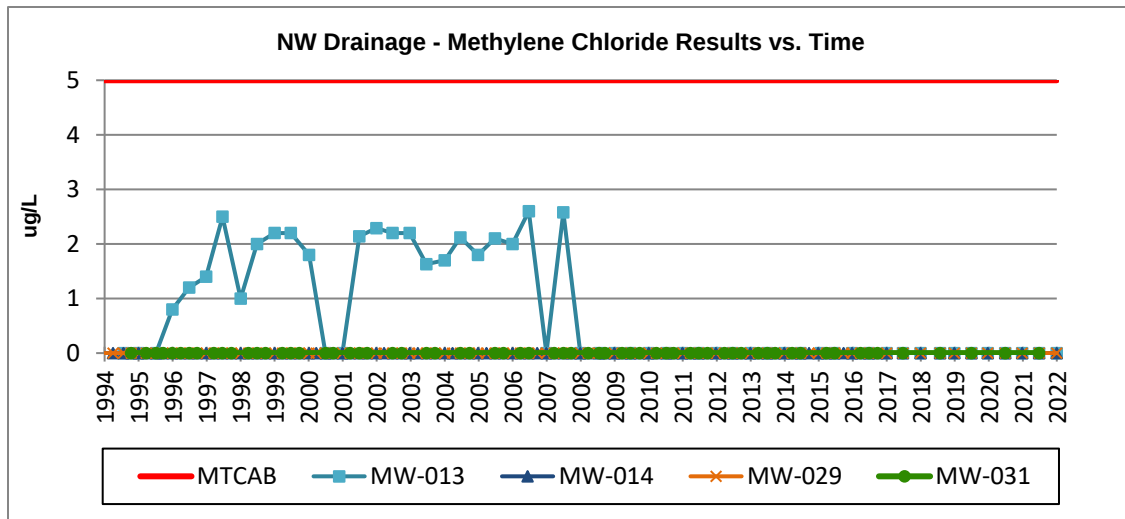
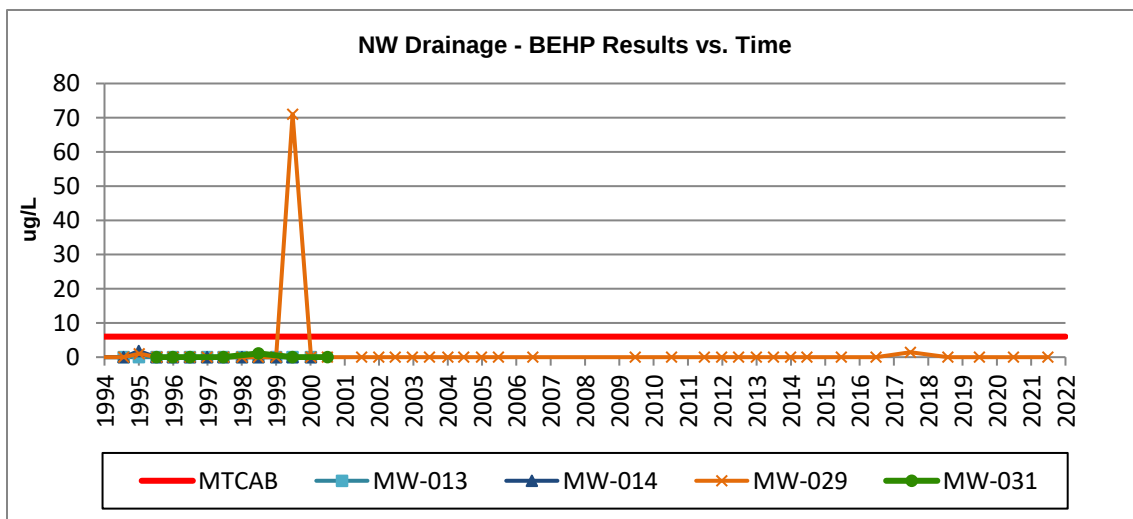
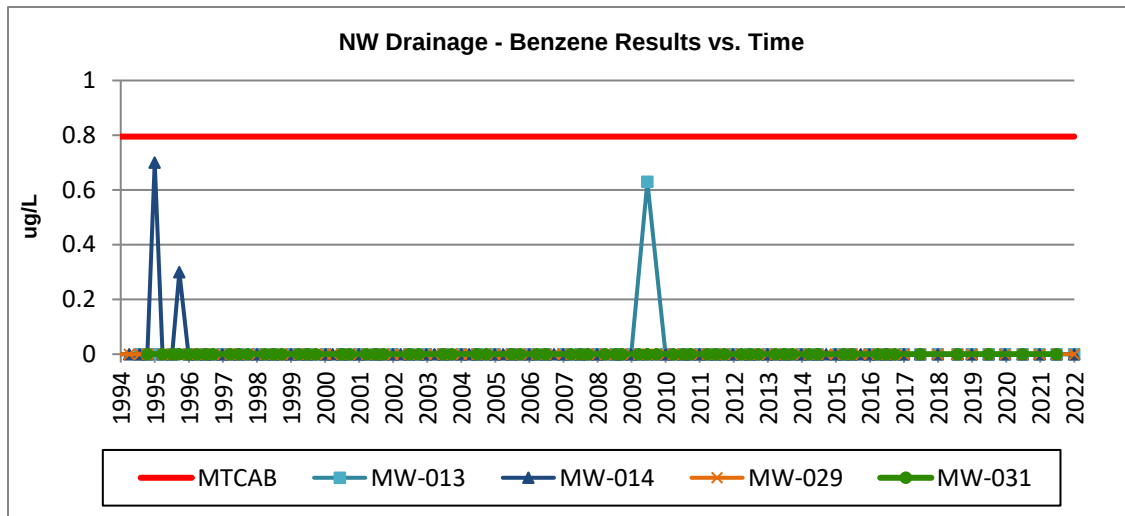
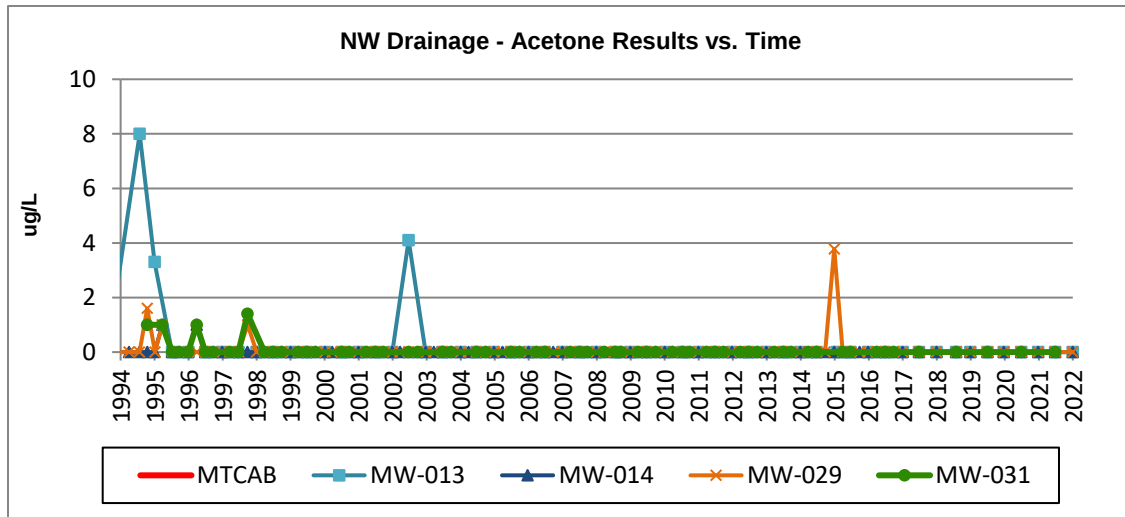
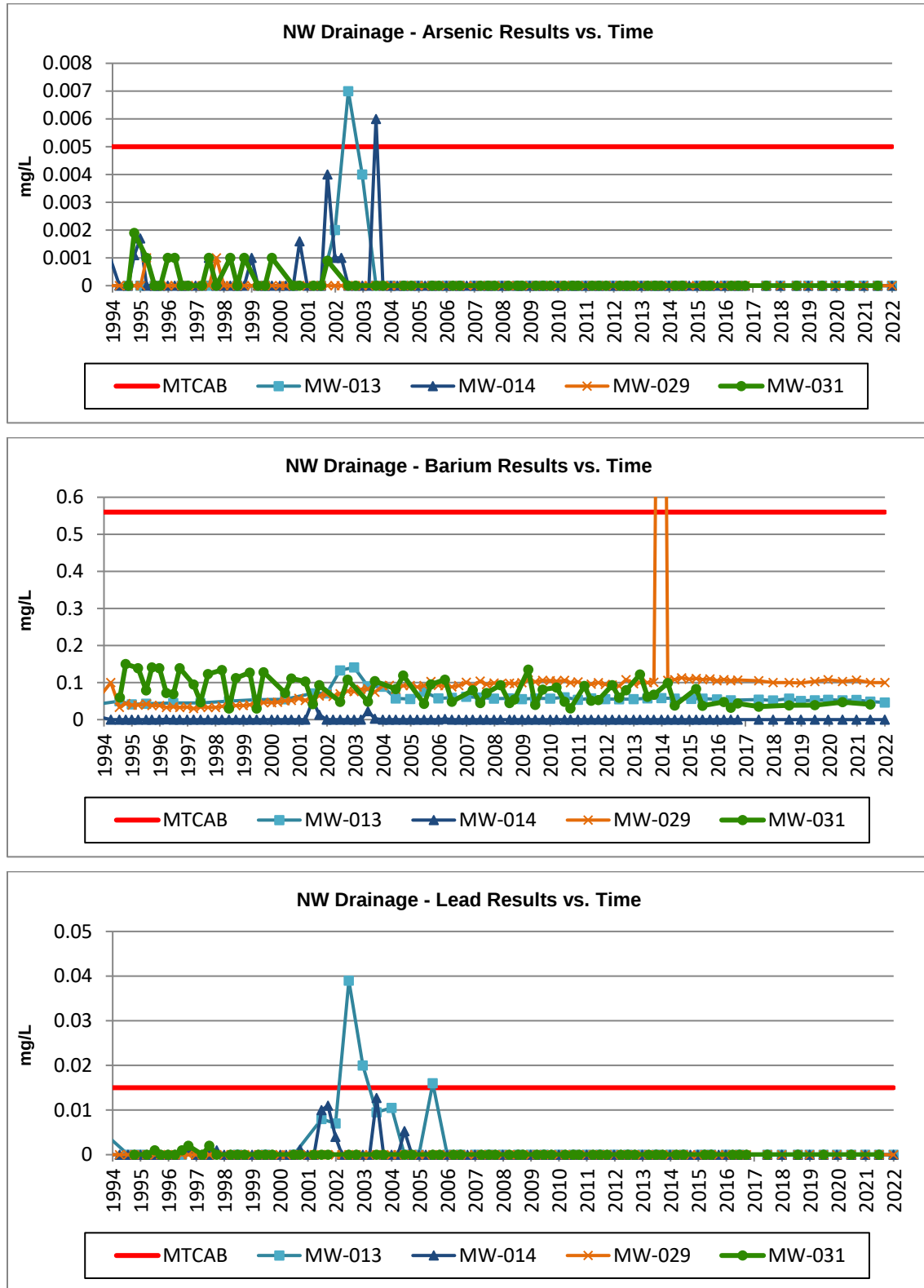


Figure 2-17: NW Wells – VOCs / SVOCs Concentration Graphs (cont.)

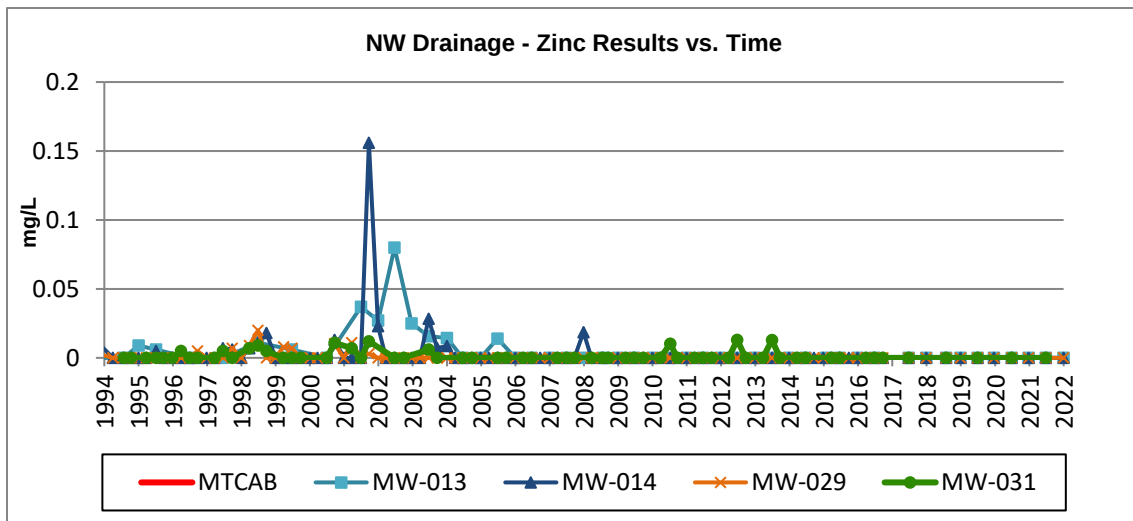
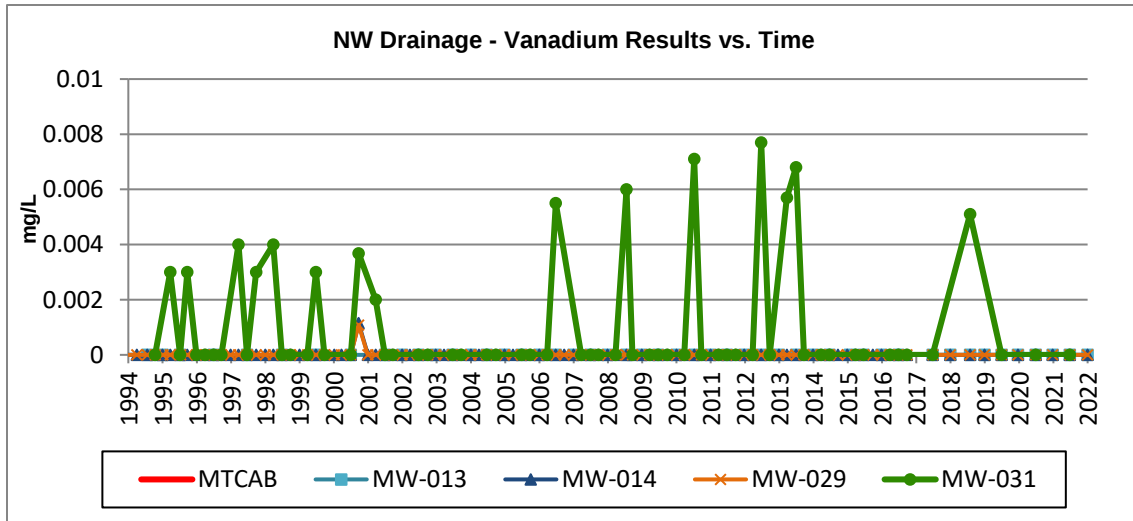
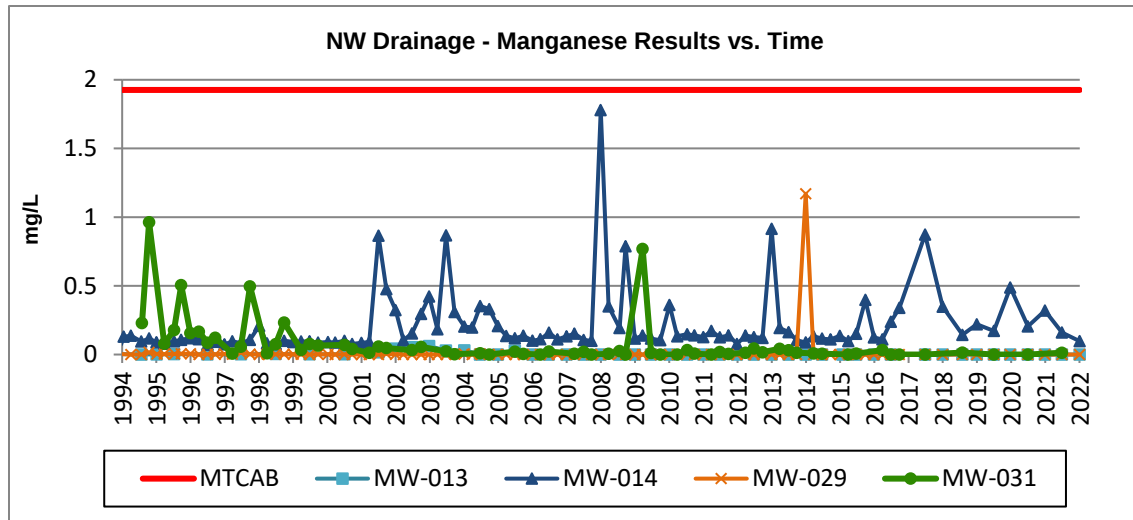


## NW Drainage Monitoring Wells: Inorganics Time Series Graphs

Figure 2-18: NW Wells – Inorganics Concentration Graphs

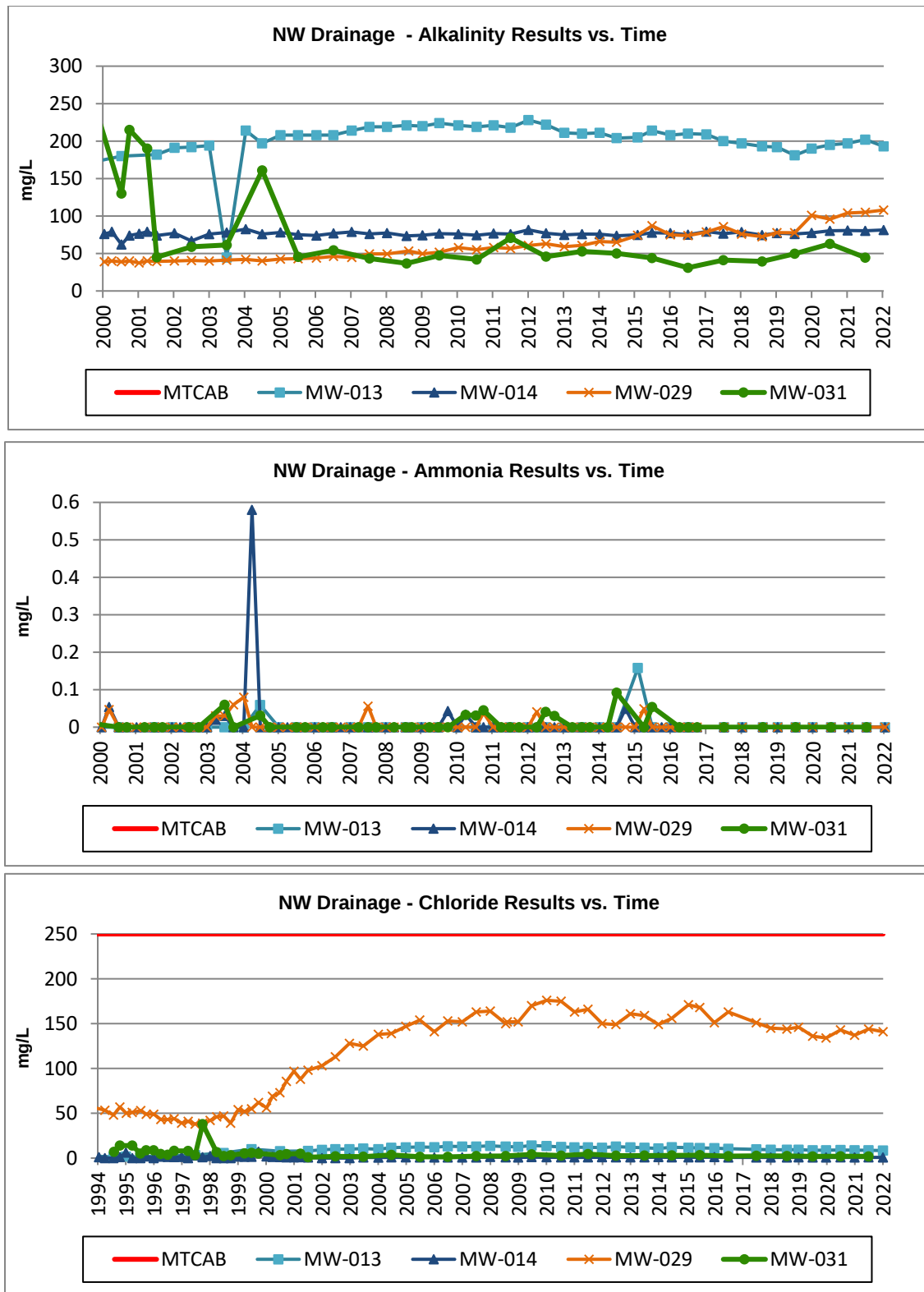


**Figure 2-19: NW Wells – Inorganics Concentration Graphs (cont.)**



## NW Drainage Monitoring Wells: Conventional Time Series Graphs

Figure 2-20: NW Wells – Conventional Concentration Graphs



**Figure 2-21: NW Wells – Conventional Concentration Graphs (cont.)**

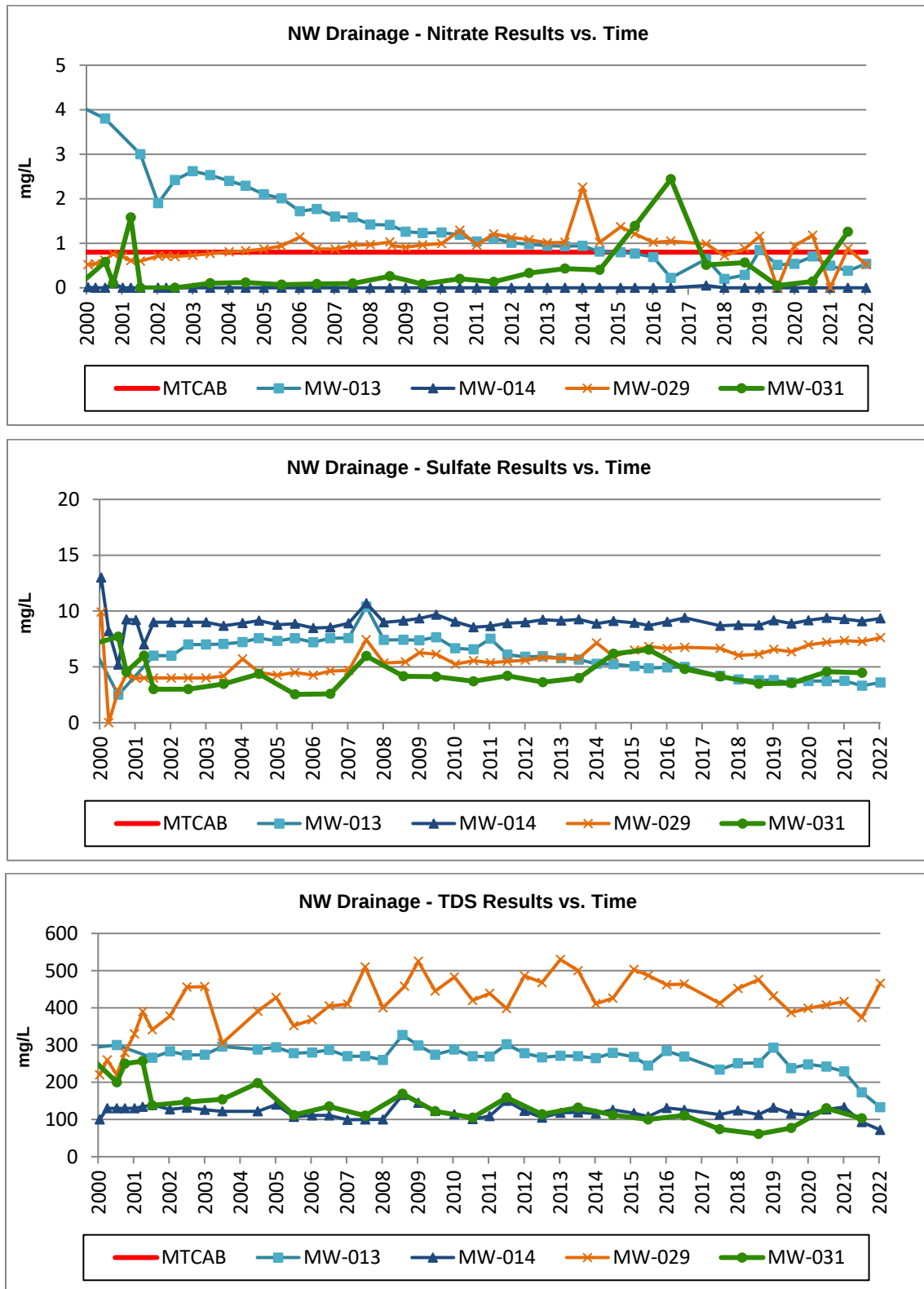
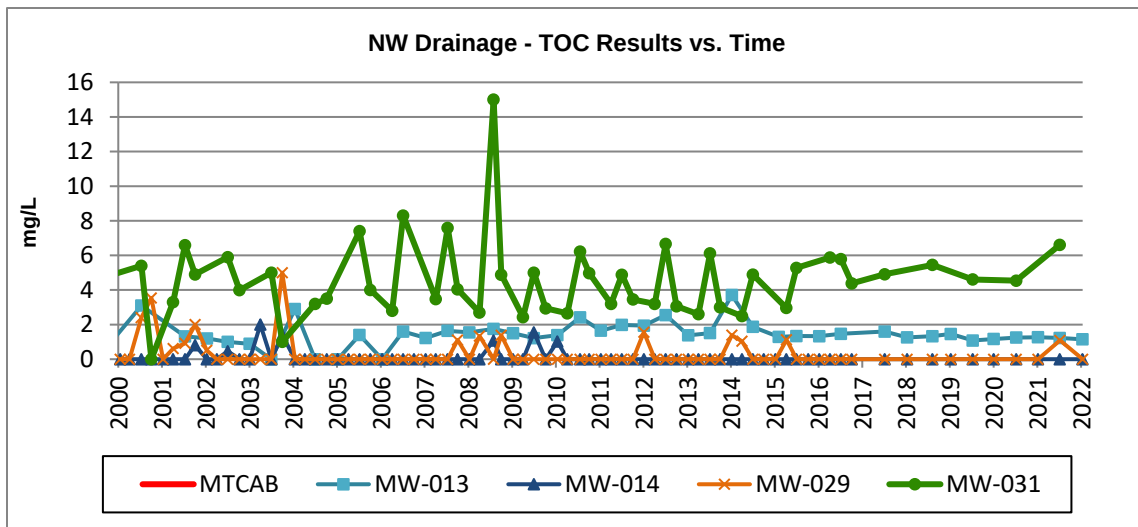


Figure 2-22: NW Wells – Conventional Concentration Graphs (cont.)



**NW Analyte Concentrations: Summary of 4-year and 1-year differences:**

| StationID | DrainageArea | Analyte | - 4 Year Results | - 1 Year Results | Current Year Results | 4-Year Difference | 1-Year Difference | Units      |
|-----------|--------------|---------|------------------|------------------|----------------------|-------------------|-------------------|------------|
| MW-013    | Northwest    | 1,2-DCP | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-013    | Northwest    | Acetone | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-013    | Northwest    | ALK     | 197              | 197              | 193                  | -4                | -4                | mg/L as Ca |
| MW-013    | Northwest    | As      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-013    | Northwest    | Ba      | 0.0519           | 0.0532           | 0.0464               | -0.0055           | -0.0068           | mg/L       |
| MW-013    | Northwest    | Benzene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-013    | Northwest    | Cl      | 9.33             | 8.77             | 8.46                 | -0.87             | -0.31             | mg/L       |
| MW-013    | Northwest    | DCA     | 1.14             | 0.85             | 0.82                 | -0.32             | -0.03             | ug/L       |
| MW-013    | Northwest    | MC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-013    | Northwest    | Mn      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-013    | Northwest    | N-NH3   | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-013    | Northwest    | N-NO3   | 0.197            | 0.495            | 0.538                | 0.341             | 0.043             | mg/L       |
| MW-013    | Northwest    | Pb      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-013    | Northwest    | PCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-013    | Northwest    | SO4     | 3.87             | 3.74             | 3.6                  | -0.27             | -0.14             | mg/L       |
| MW-013    | Northwest    | TCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-013    | Northwest    | TDS     | 251              | 229              | 133                  | -118              | -96               | mg/L       |
| MW-013    | Northwest    | TOC     | 1.26             | 1.27             | 1.15                 | -0.11             | -0.12             | mg/L       |
| MW-013    | Northwest    | Toluene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-013    | Northwest    | VC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-013    | Northwest    | Zn      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-014    | Northwest    | 1,2-DCP | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-014    | Northwest    | Acetone | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-014    | Northwest    | ALK     | 78.7             | 80.7             | 81.3                 | 2.6               | 0.6               | mg/L as Ca |
| MW-014    | Northwest    | As      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-014    | Northwest    | Ba      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-014    | Northwest    | Benzene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-014    | Northwest    | Cl      | 0.75             | 0.73             | 0.76                 | 0.01              | 0.03              | mg/L       |
| MW-014    | Northwest    | DCA     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-014    | Northwest    | MC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-014    | Northwest    | Mn      | 0.348            | 0.32             | 0.097                | -0.251            | -0.223            | mg/L       |
| MW-014    | Northwest    | N-NH3   | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-014    | Northwest    | N-NO3   | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-014    | Northwest    | Pb      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-014    | Northwest    | PCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-014    | Northwest    | SO4     | 8.75             | 9.28             | 9.34                 | 0.59              | 0.06              | mg/L       |

| StationID | DrainageArea | Analyte | - 4 Year Results | - 1 Year Results | Current Year Results | 4-Year Difference | 1-Year Difference | Units      |
|-----------|--------------|---------|------------------|------------------|----------------------|-------------------|-------------------|------------|
| MW-014    | Northwest    | TCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-014    | Northwest    | TDS     | 124              | 133              | 72                   | -52               | -61               | mg/L       |
| MW-014    | Northwest    | TOC     | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-014    | Northwest    | Toluene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-014    | Northwest    | VC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-014    | Northwest    | Zn      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-029    | Northwest    | 1,2-DCP | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-029    | Northwest    | Acetone | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-029    | Northwest    | ALK     | 75.9             | 104              | 108                  | 32.1              | 4                 | mg/L as Ca |
| MW-029    | Northwest    | As      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-029    | Northwest    | Ba      | 0.1              | 0.107            | 0.1                  | 0                 | -0.007            | mg/L       |
| MW-029    | Northwest    | Benzene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-029    | Northwest    | Cl      | 145              | 137              | 141                  | -4                | 4                 | mg/L       |
| MW-029    | Northwest    | DCA     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-029    | Northwest    | MC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-029    | Northwest    | Mn      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-029    | Northwest    | N-NH3   | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-029    | Northwest    | N-NO3   | 0.718            | 0                | 0.516                | -0.202            | 0.516             | mg/L       |
| MW-029    | Northwest    | Pb      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-029    | Northwest    | PCE     | 0.55             | 0                | 0.59                 | 0.04              | 0.59              | ug/L       |
| MW-029    | Northwest    | SO4     | 6.03             | 7.35             | 7.62                 | 1.59              | 0.27              | mg/L       |
| MW-029    | Northwest    | TCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-029    | Northwest    | TDS     | 452              | 417              | 466                  | 14                | 49                | mg/L       |
| MW-029    | Northwest    | TOC     | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-029    | Northwest    | Toluene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-029    | Northwest    | VC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-029    | Northwest    | Zn      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |

- 4-year results are from 2018, - 1-year results are from 2021, and current-year results are from 2022 (4-year/2018 results were used due to lack of comparable sampling results from 2017).

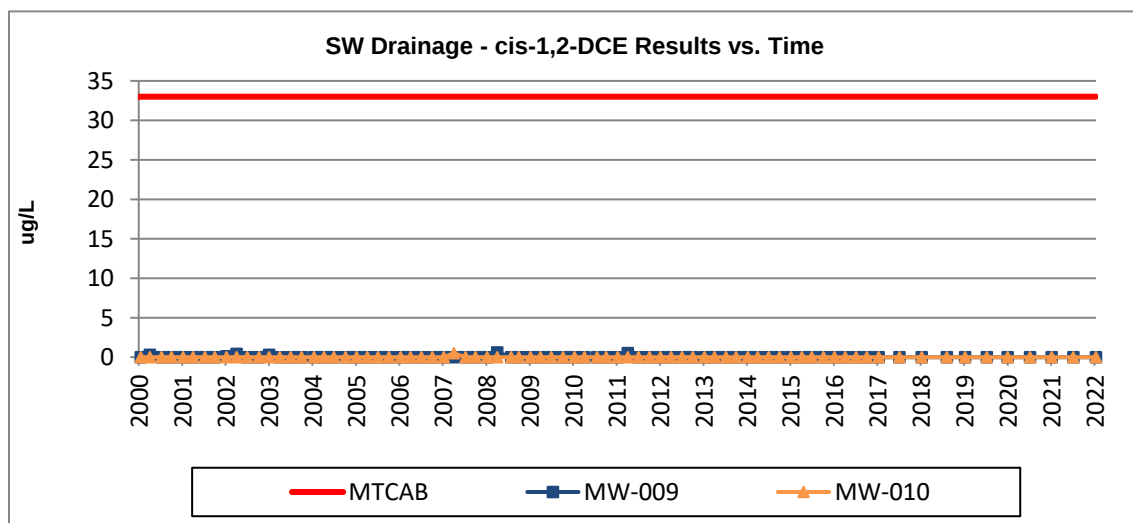
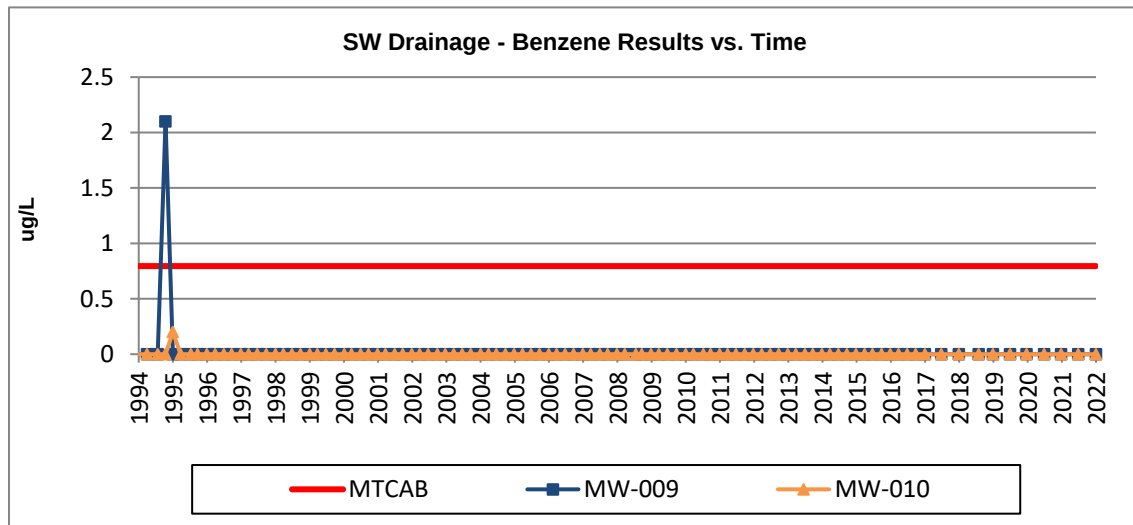
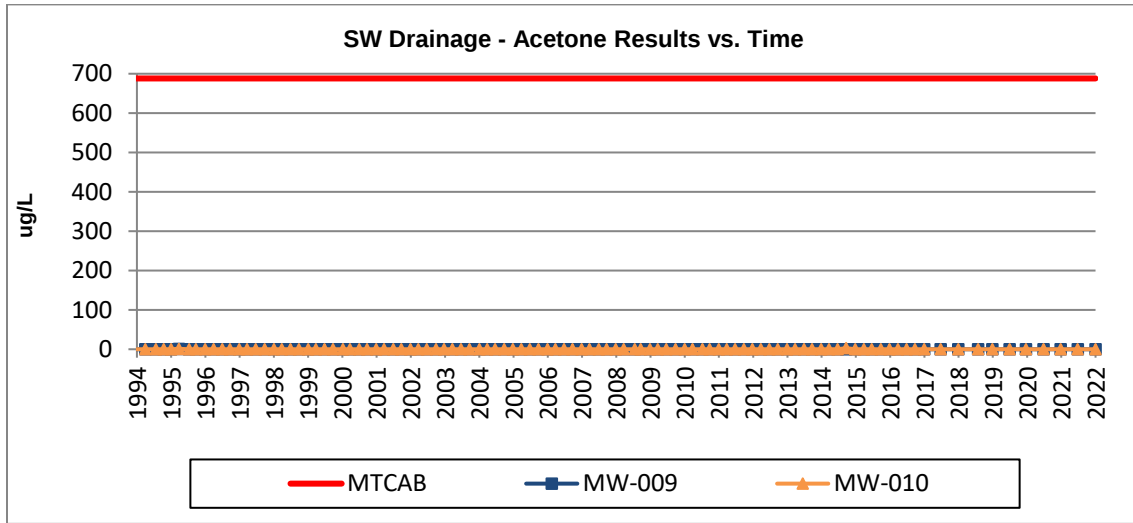
Analytes that exceeded clean-up criteria this reporting period are displayed in **ORANGE**.

Increases in analyte concentrations are highlighted in **RED**.

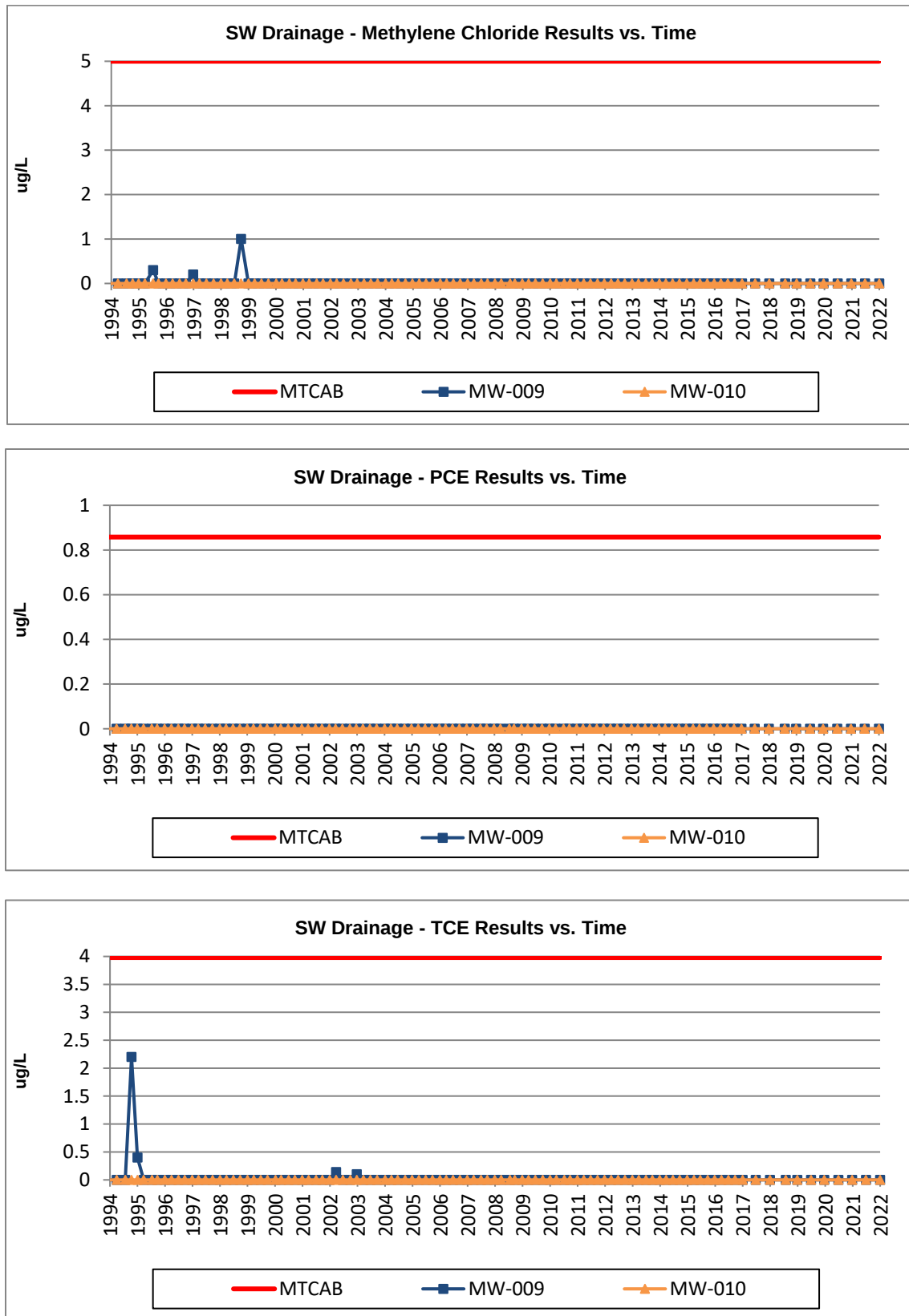
Decreases in analyte concentrations are highlighted in **BLUE**.

## SW Drainage Monitoring Wells: VOCs/SVOCs Time Series Graphs

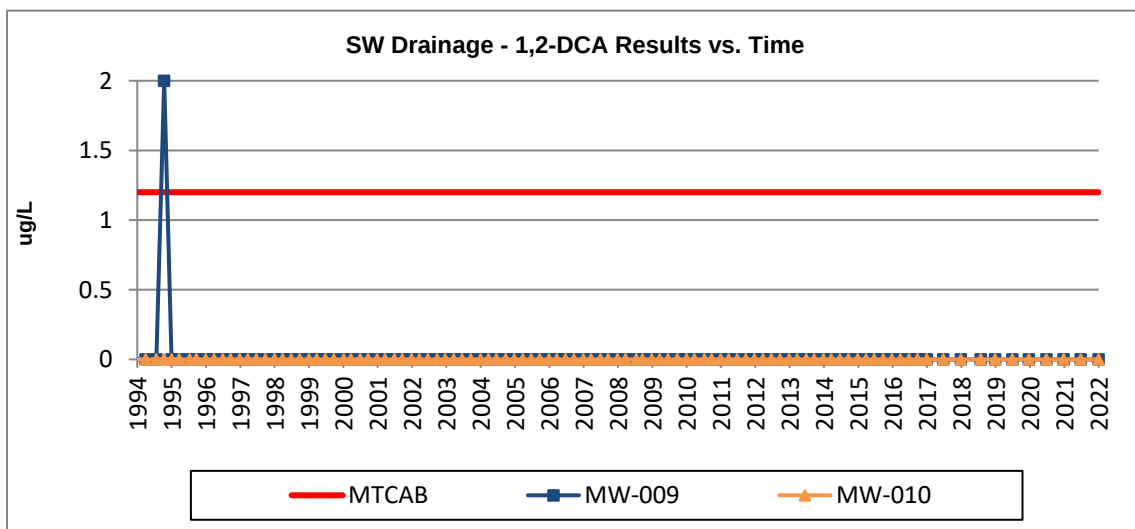
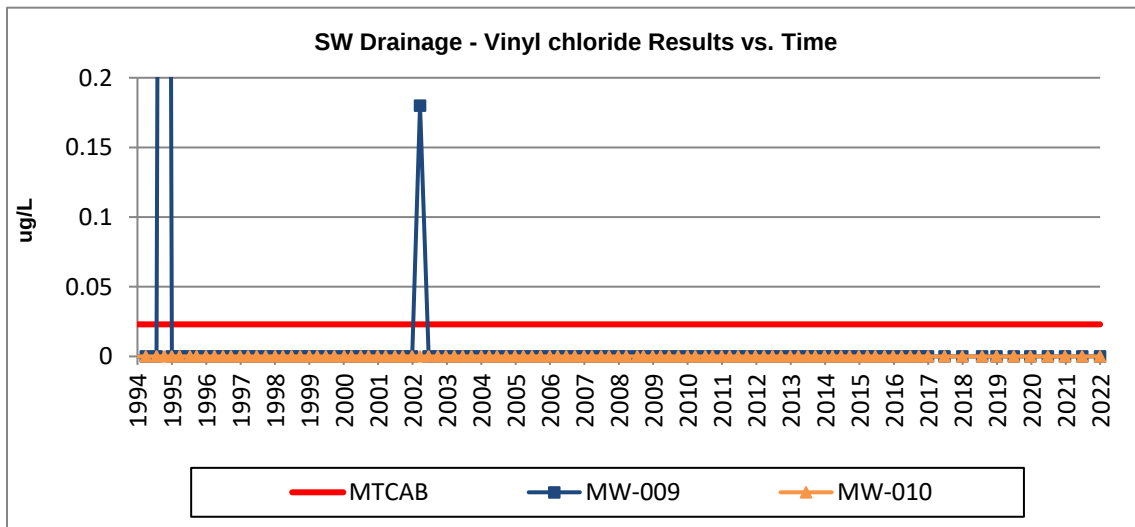
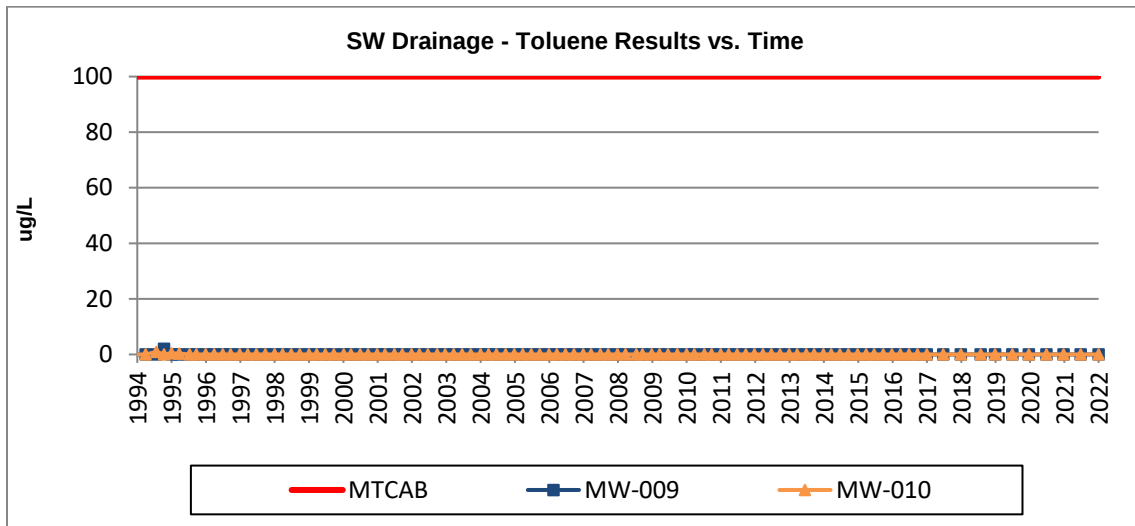
Figure 2-23: SW Wells – VOCs / SVOCs Concentration Graphs



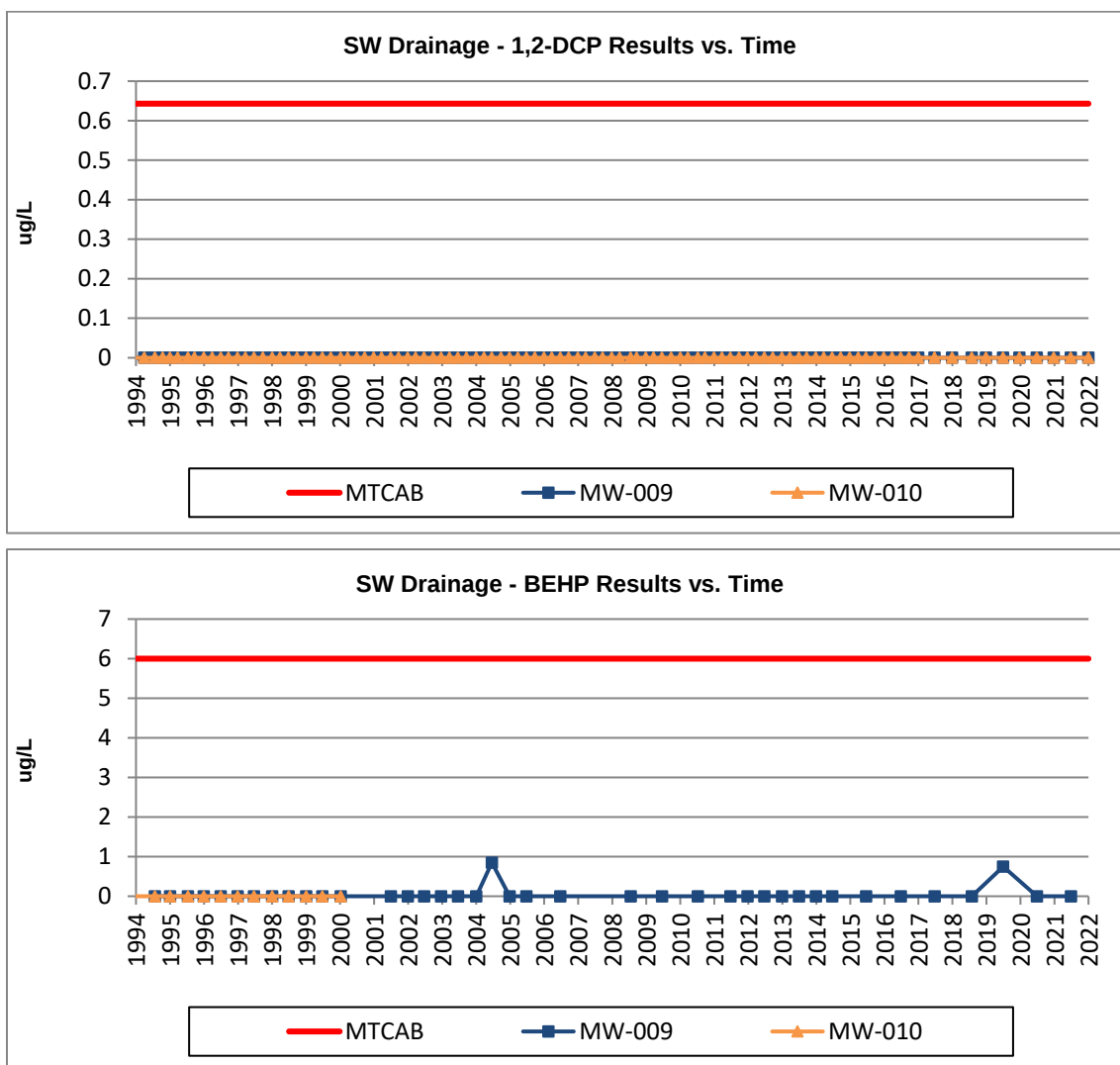
**Figure 2-24: SW Wells – VOCs / SVOCs Concentration Graphs (cont.)**



**Figure 2-25: SW Wells – VOCs / SVOCs Concentration Graphs (cont.)**

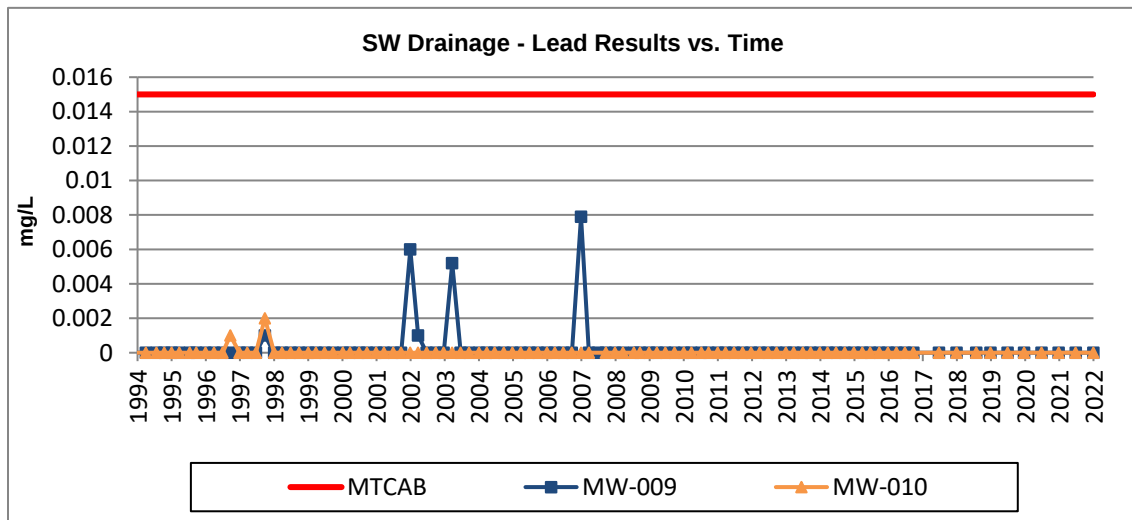
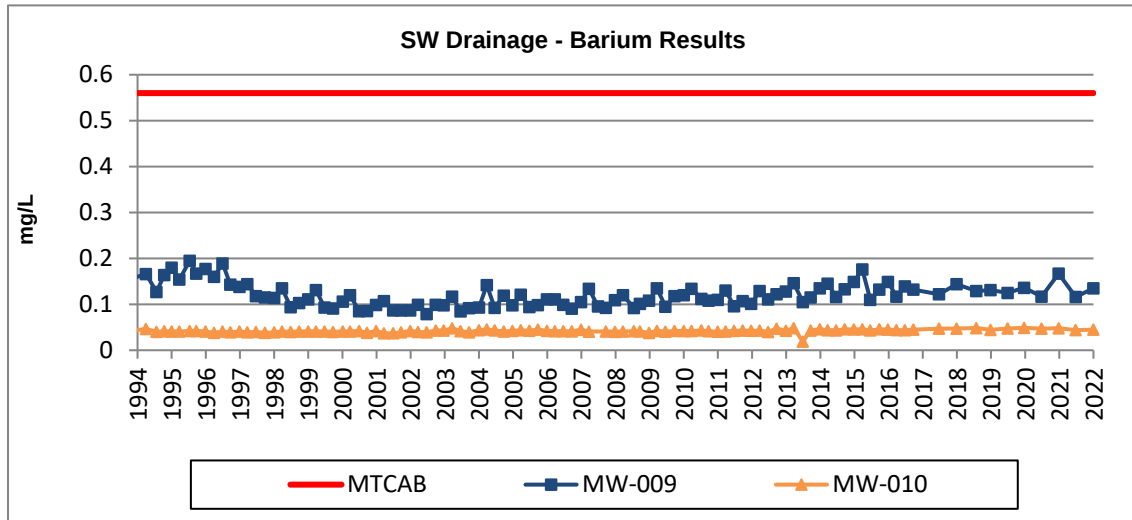
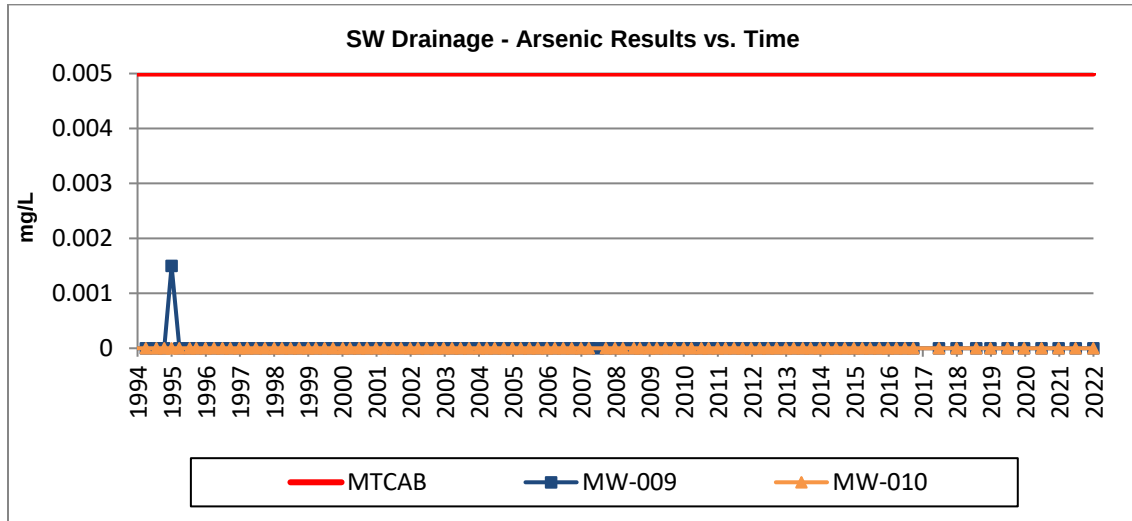


**Figure 2-26: SW Wells – VOCs / SVOCs Concentration Graphs (cont.)**

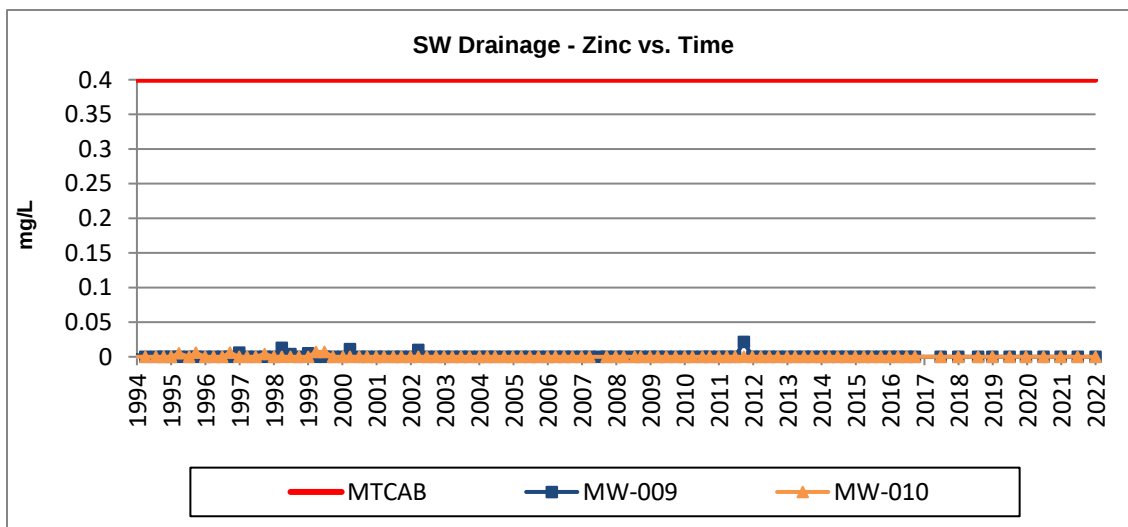
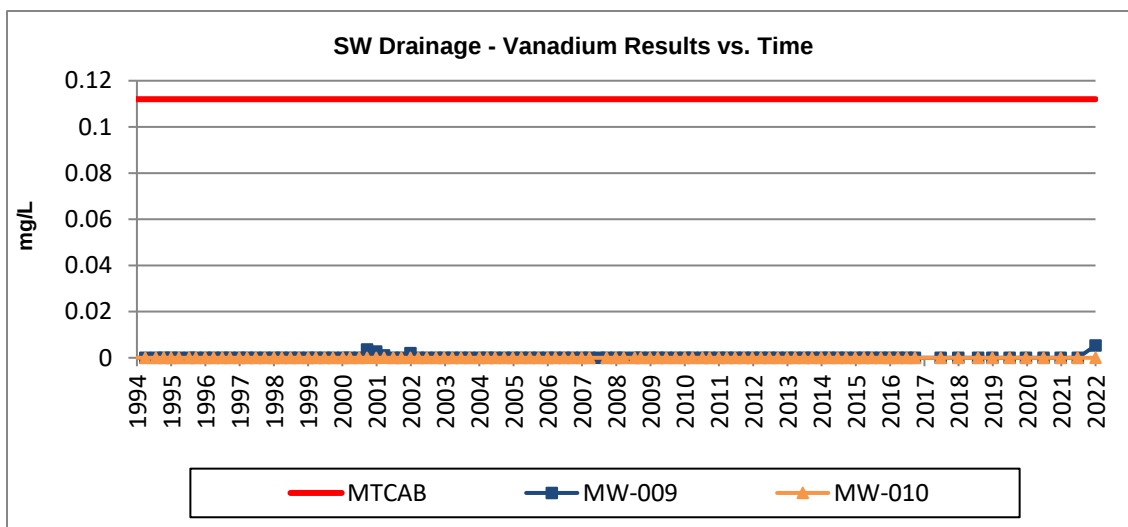
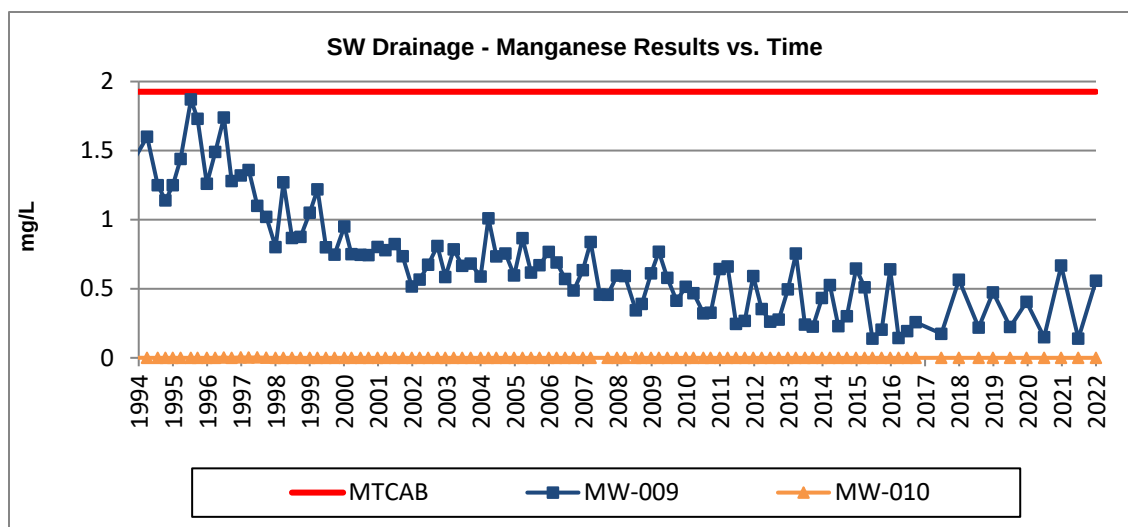


## SW Drainage Monitoring Wells: Inorganics Time Series Graphs

Figure 2-27: SW Wells – Inorganics Concentration Graphs

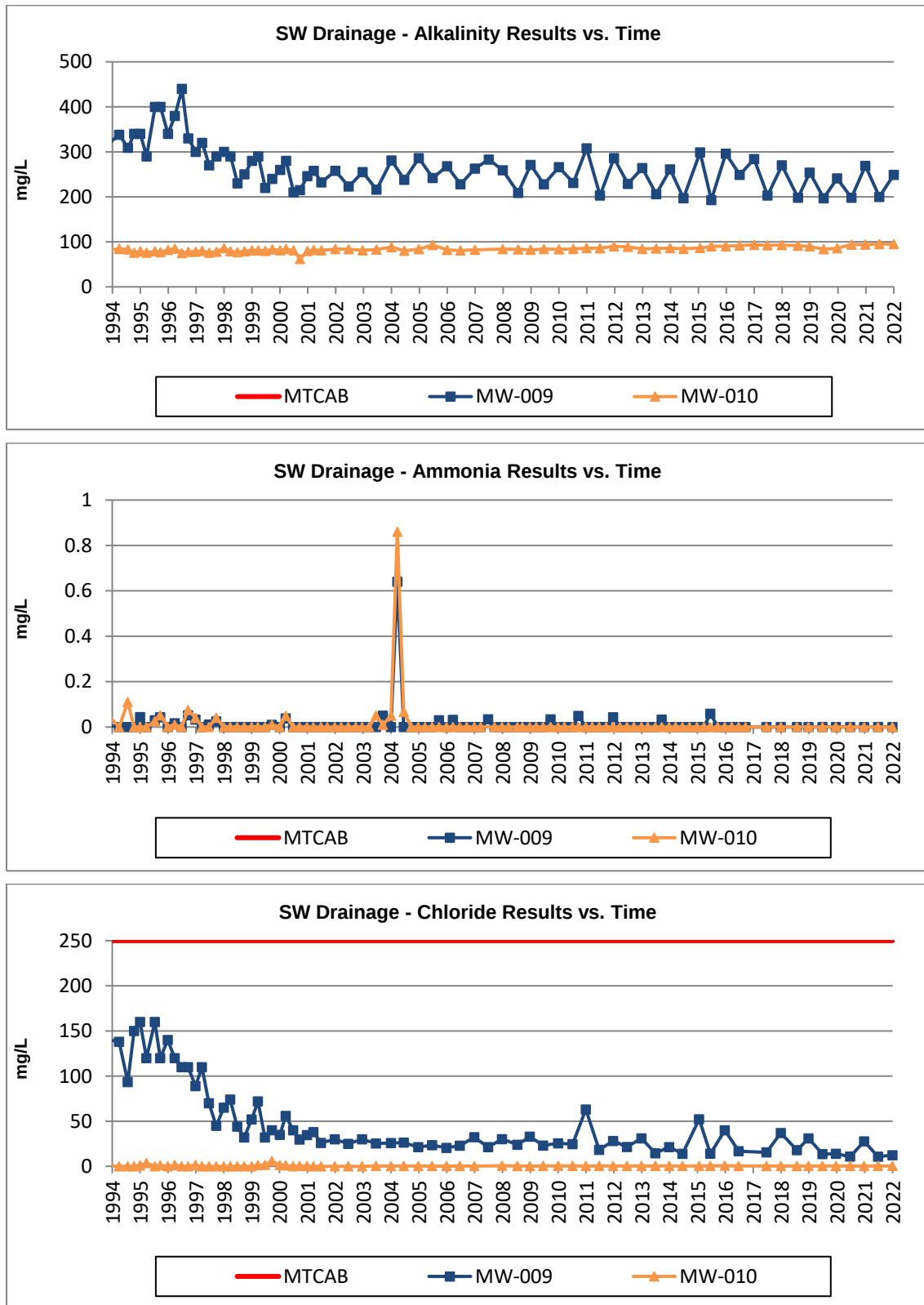


**Figure 2-28: SW Wells – Inorganics Concentration Graphs (cont.)**

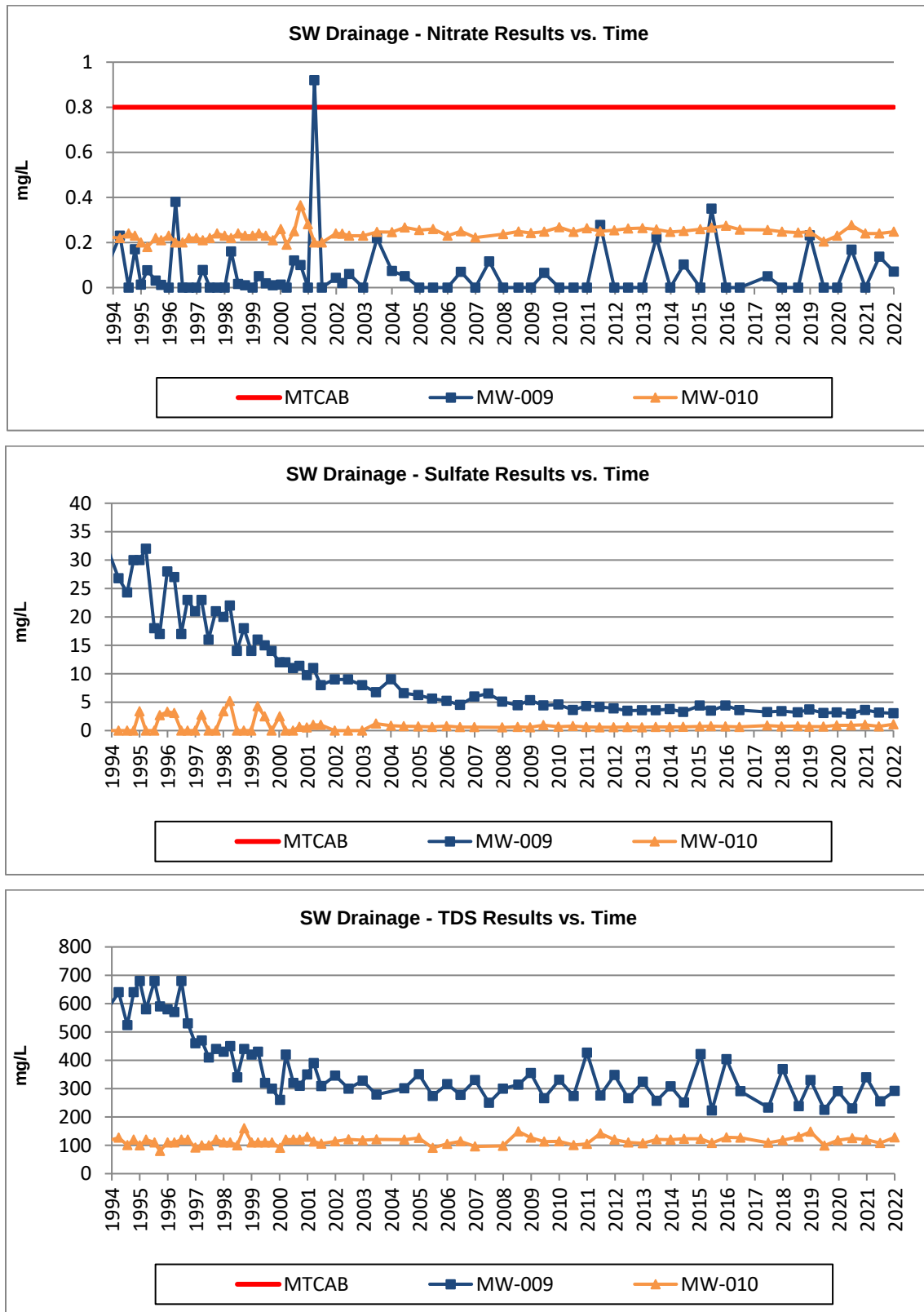


## SW Drainage Monitoring Wells: Conventional Time Series Graphs

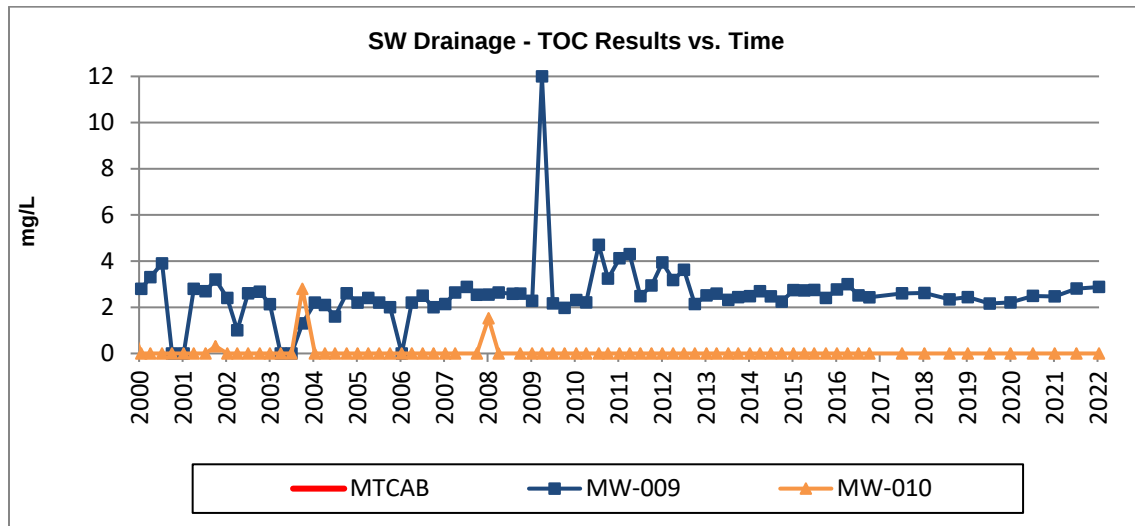
Figure 2-29: SW Wells – Conventional Concentration Graphs



**Figure 2-30: SW Wells – Conventional Concentration Graphs (cont.)**



**Figure 2-31: SW Wells – Conventional Concentration Graphs (cont.)**



### **SW Analyte Concentrations: Summary of 4-year and 1-year differences:**

| StationID | DrainageArea | Analyte | - 4 Year Results | - 1 Year Results | Current Year Results | 4-Year Difference | 1-Year Difference | Units      |
|-----------|--------------|---------|------------------|------------------|----------------------|-------------------|-------------------|------------|
| MW-009    | Southwest    | 1,2-DCP | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-009    | Southwest    | Acetone | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-009    | Southwest    | ALK     | 270              | 268              | 249                  | -21               | -19               | mg/L as Ca |
| MW-009    | Southwest    | As      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-009    | Southwest    | Ba      | 0.141            | 0.167            | 0.134                | -0.007            | -0.033            | mg/L       |
| MW-009    | Southwest    | Benzene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-009    | Southwest    | Cl      | 37               | 27.7             | 12.4                 | -24.6             | -15.3             | mg/L       |
| MW-009    | Southwest    | DCA     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-009    | Southwest    | MC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-009    | Southwest    | Mn      | 0.544            | 0.668            | 0.558                | 0.014             | -0.11             | mg/L       |
| MW-009    | Southwest    | N-NH3   | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-009    | Southwest    | N-NO3   | 0                | 0                | 0.071                | 0.071             | 0.071             | mg/L       |
| MW-009    | Southwest    | Pb      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-009    | Southwest    | PCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-009    | Southwest    | SO4     | 3.42             | 3.6              | 3.04                 | -0.38             | -0.56             | mg/L       |
| MW-009    | Southwest    | TCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-009    | Southwest    | TDS     | 357              | 339              | 292                  | -65               | -47               | mg/L       |
| MW-009    | Southwest    | TOC     | 2.56             | 2.47             | 2.88                 | 0.32              | 0.41              | mg/L       |
| MW-009    | Southwest    | Toluene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-009    | Southwest    | VC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-009    | Southwest    | Zn      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-010    | Southwest    | 1,2-DCP | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-010    | Southwest    | Acetone | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-010    | Southwest    | ALK     | 93               | 93.8             | 94.9                 | 1.9               | 1.1               | mg/L as Ca |
| MW-010    | Southwest    | As      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-010    | Southwest    | Ba      | 0.0473           | 0.0479           | 0.0449               | -0.0024           | -0.003            | mg/L       |
| MW-010    | Southwest    | Benzene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-010    | Southwest    | Cl      | 0.38             | 0.41             | 0.47                 | 0.09              | 0.06              | mg/L       |
| MW-010    | Southwest    | DCA     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-010    | Southwest    | MC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-010    | Southwest    | Mn      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-010    | Southwest    | N-NH3   | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-010    | Southwest    | N-NO3   | 0.248            | 0.24             | 0.248                | 0                 | 0.008             | mg/L       |
| MW-010    | Southwest    | Pb      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-010    | Southwest    | PCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-010    | Southwest    | SO4     | 0.74             | 1.02             | 1.11                 | 0.37              | 0.09              | mg/L       |
| MW-010    | Southwest    | TCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-010    | Southwest    | TDS     | 118              | 120              | 128                  | 10                | 8                 | mg/L       |
| MW-010    | Southwest    | TOC     | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-010    | Southwest    | Toluene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-010    | Southwest    | VC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-010    | Southwest    | Zn      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |

- 4-year results are from 2018, - 1-year results are from 2021, and current-year results are from 2022 (4-year/2018 results were used due to lack of comparable sampling results from 2017).

Analytes that exceeded clean-up criteria this reporting period are displayed in **ORANGE**.

Increases in analyte concentrations are highlighted in **RED**.

Decreases in analyte concentrations are highlighted in **BLUE**.

## SW MW-16 Monitoring Wells: VOCs/SVOCs Time Series Graphs

Figure 2-32: MW-016 VOCs / SVOCs Concentration Graphs

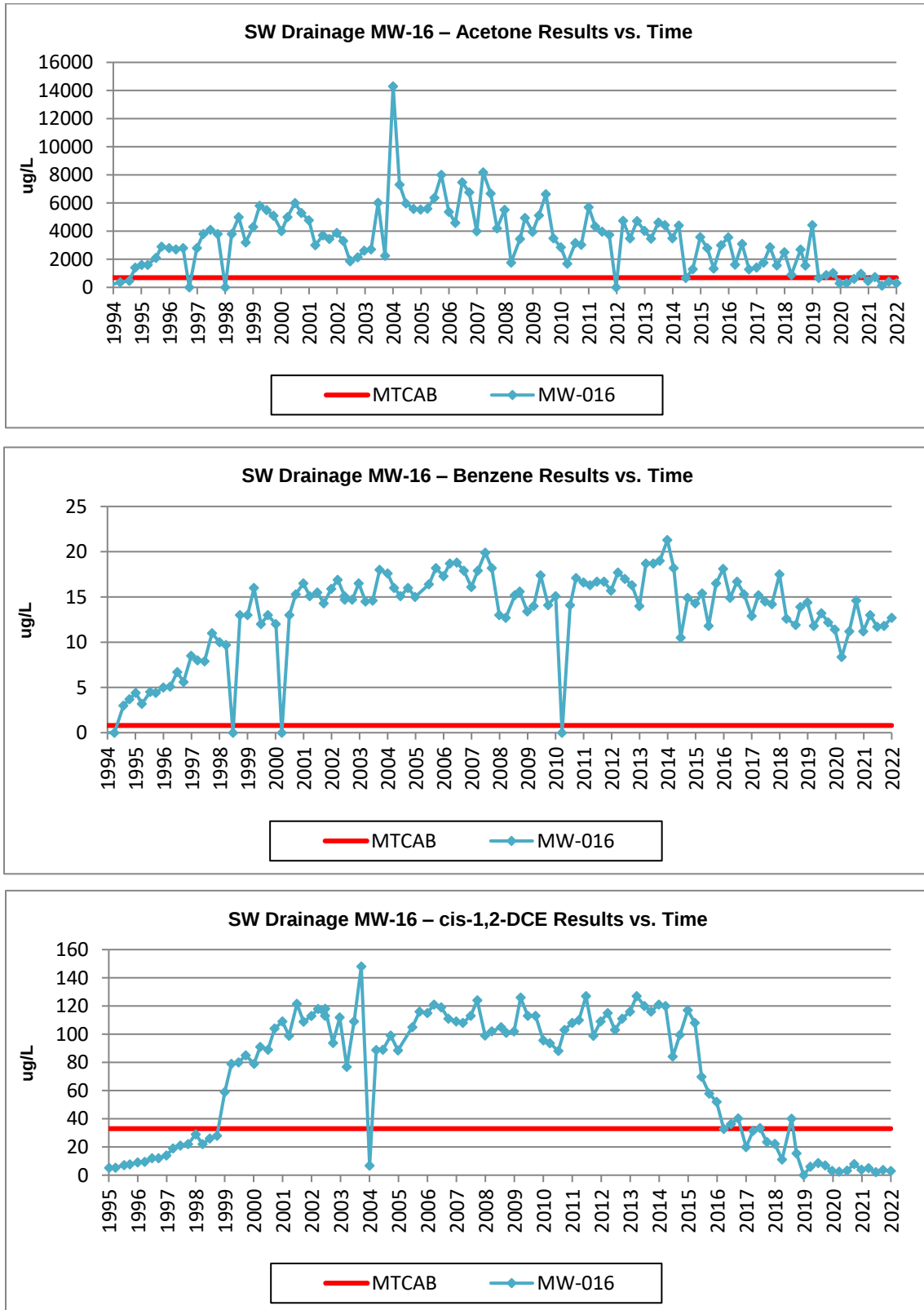
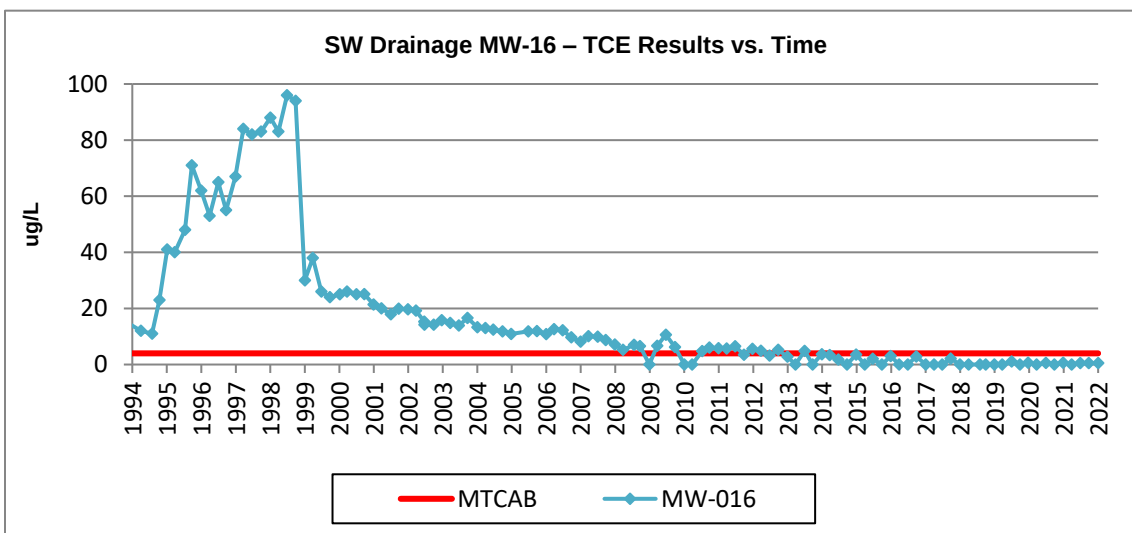
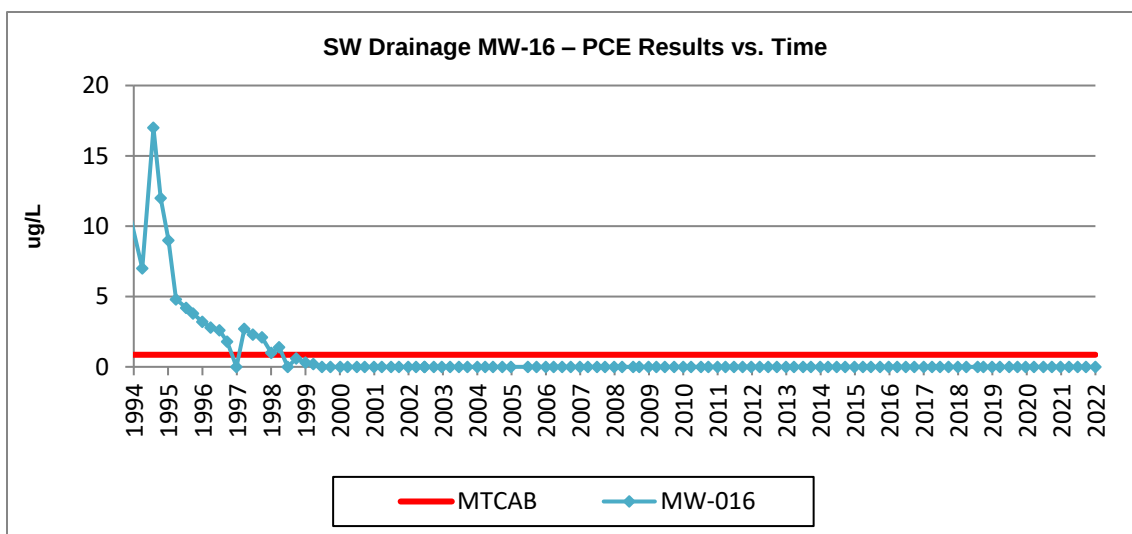
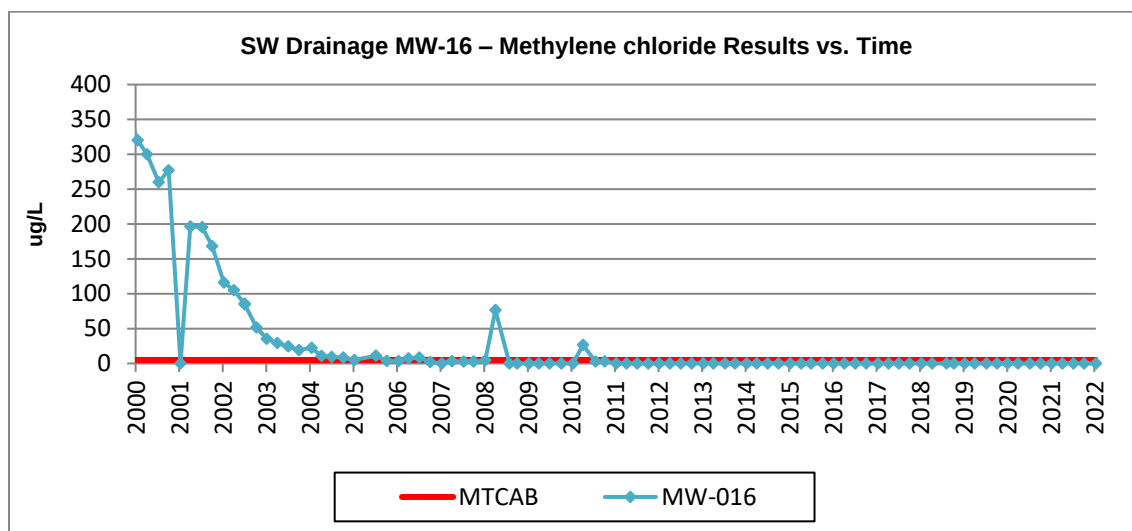


Figure 2-33: MW-016 VOCs / SVOCs Concentration Graphs (cont.)



**Figure 2-34: MW-016 VOCs / SVOCs Concentration Graphs (cont.)**

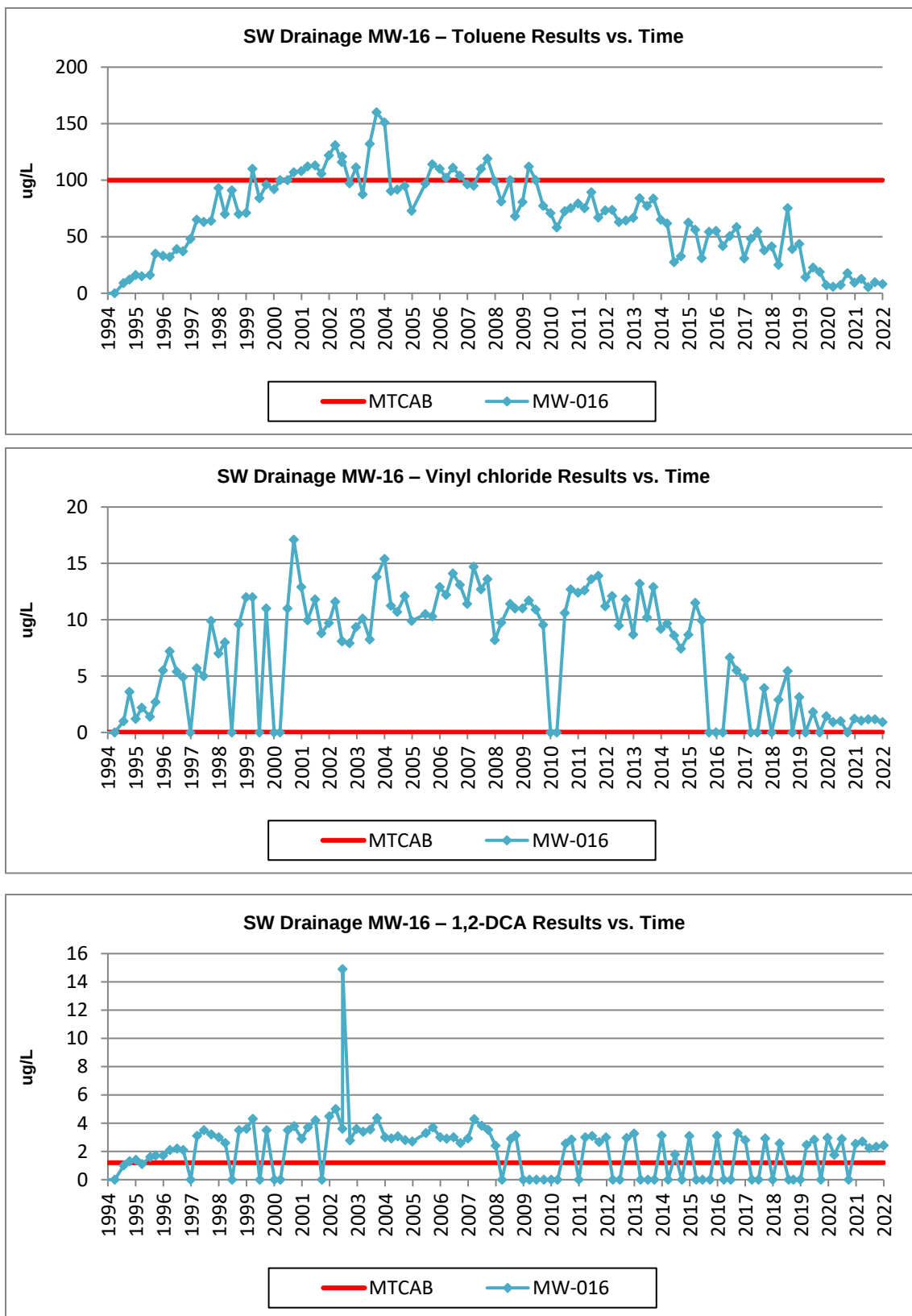
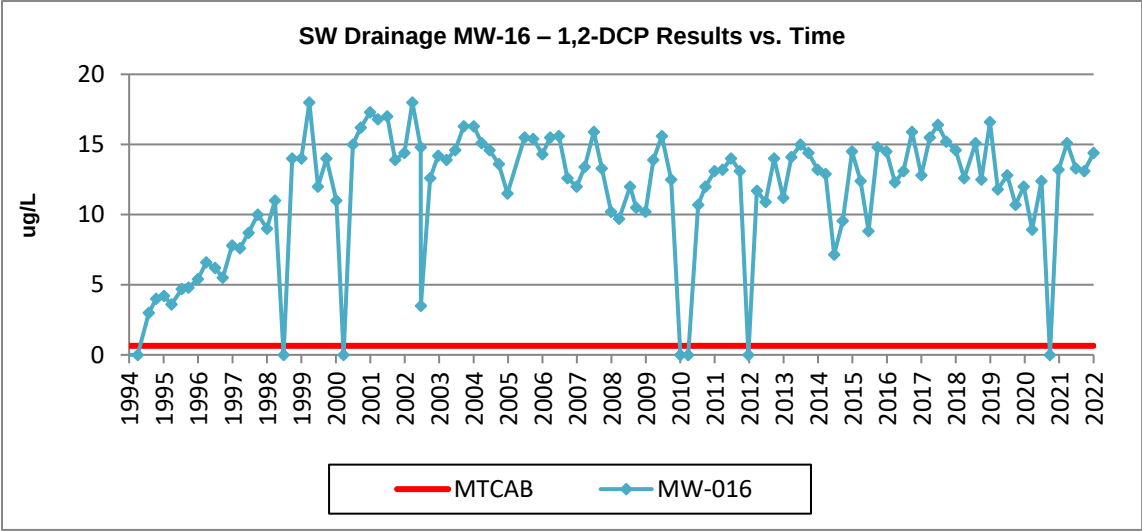


Figure 2-35: MW-016 VOCs / SVOCs Concentration Graphs (cont.)



## SW MW-16 Monitoring Wells: Inorganics Time Series Graphs

Figure 2-36: MW-016 Inorganics Concentration Graphs

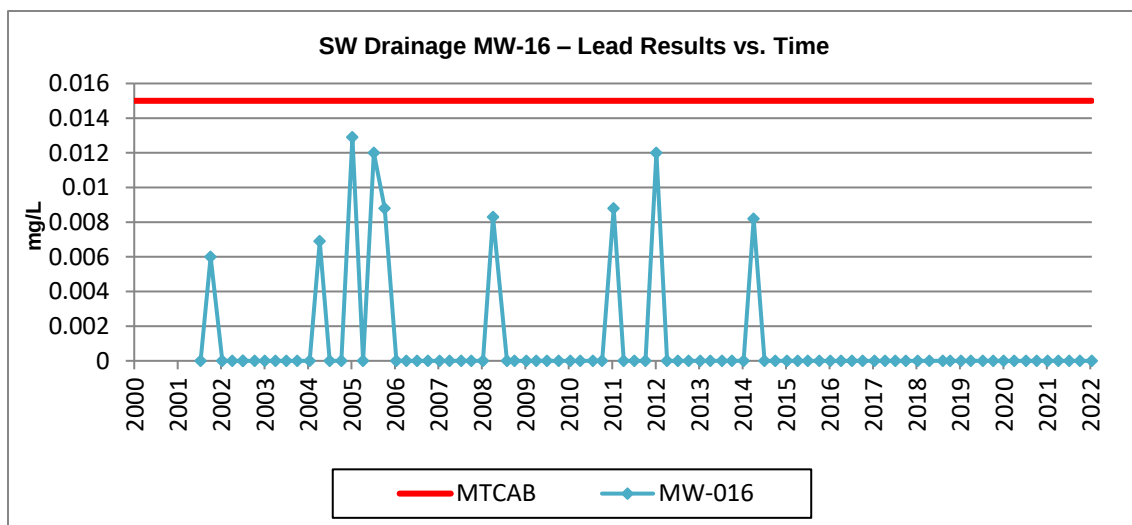
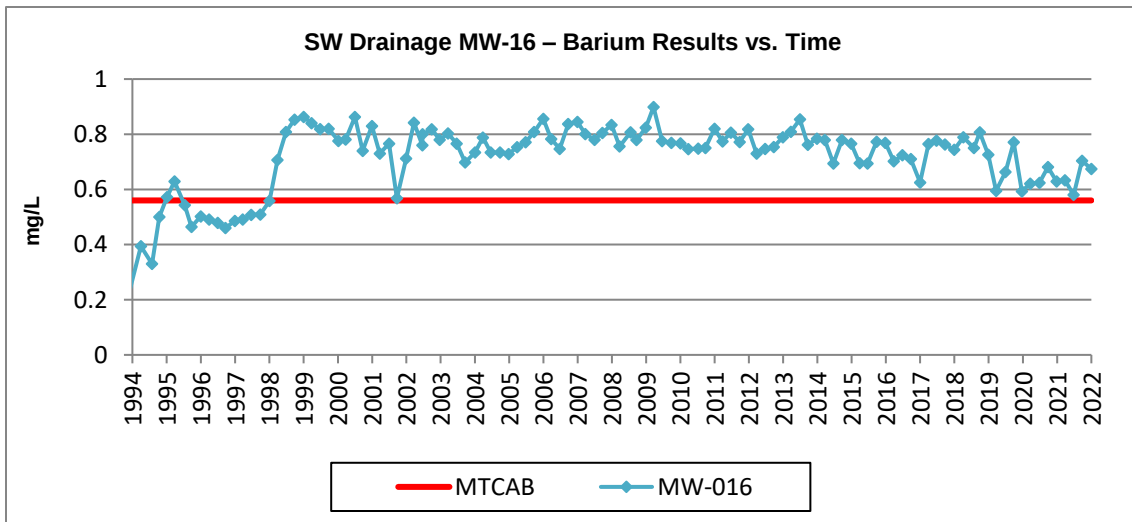
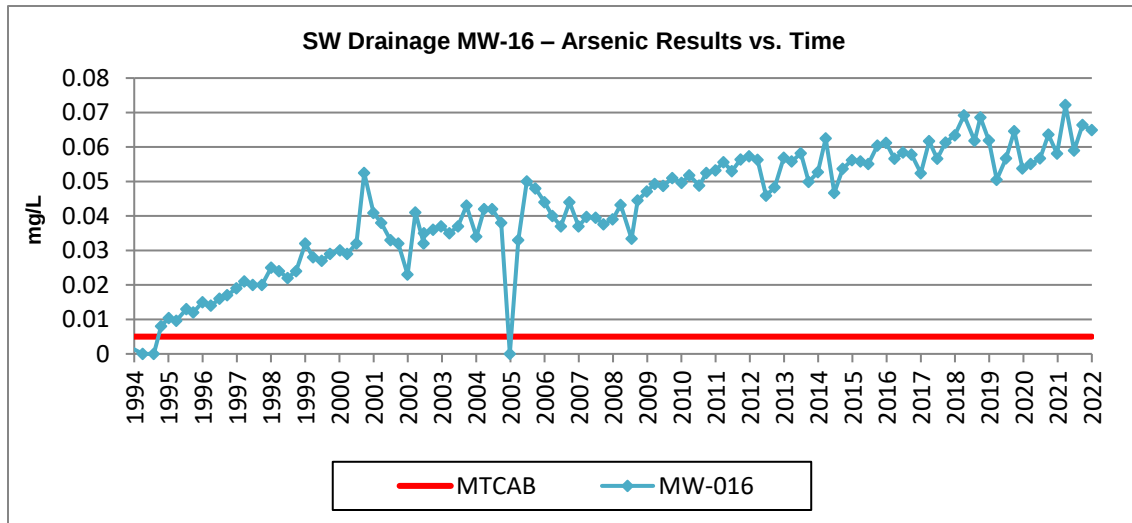
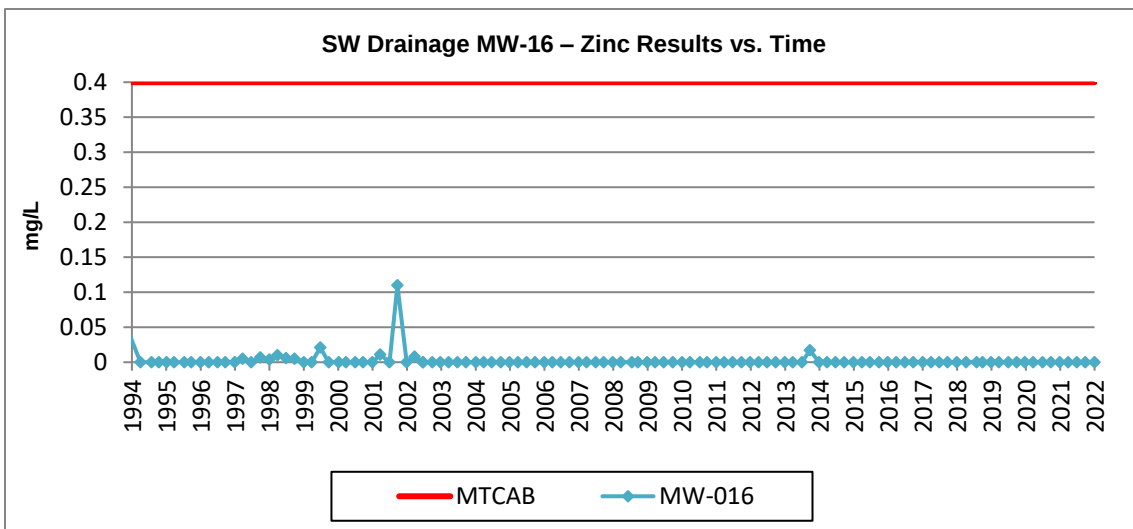
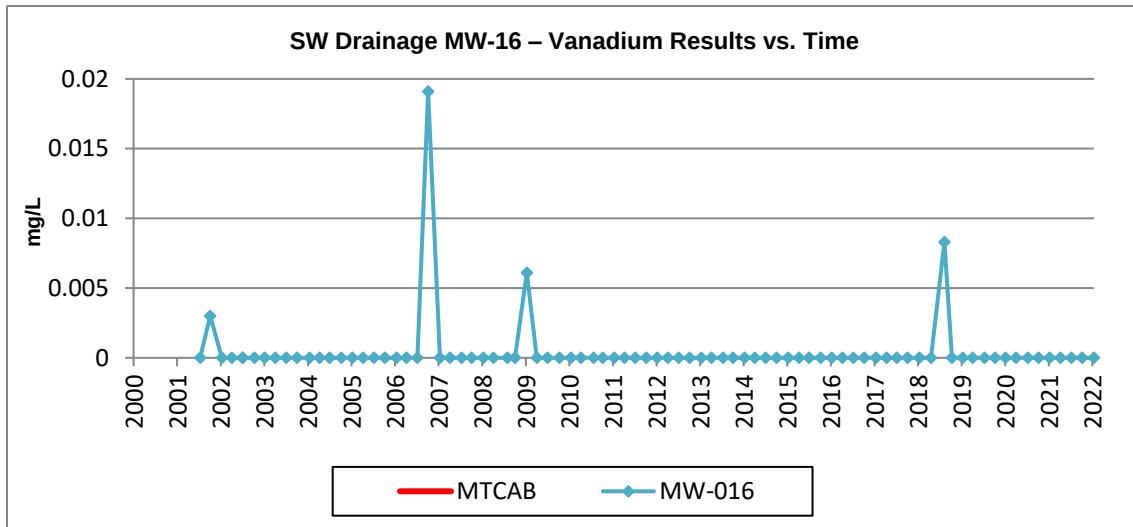
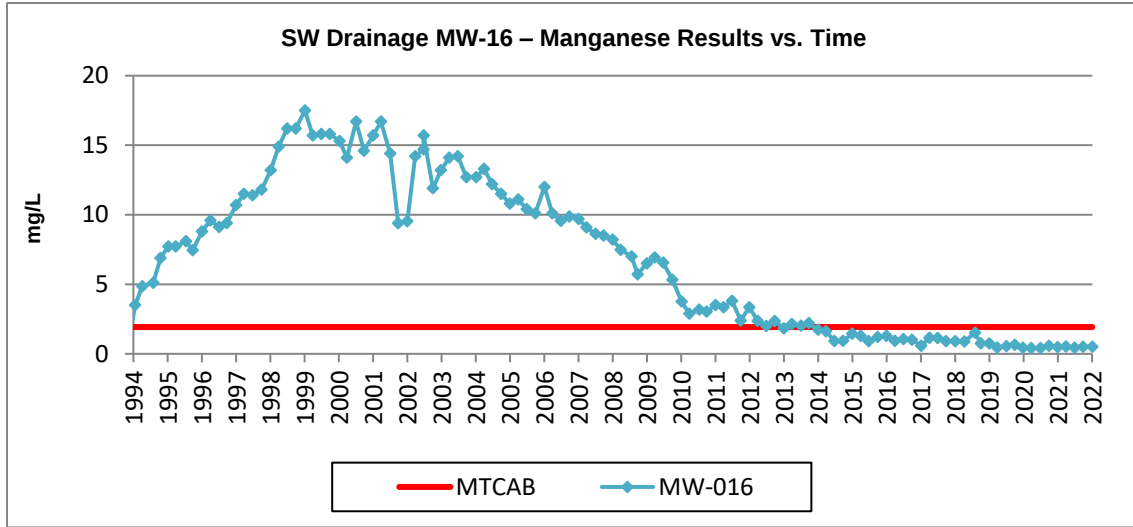
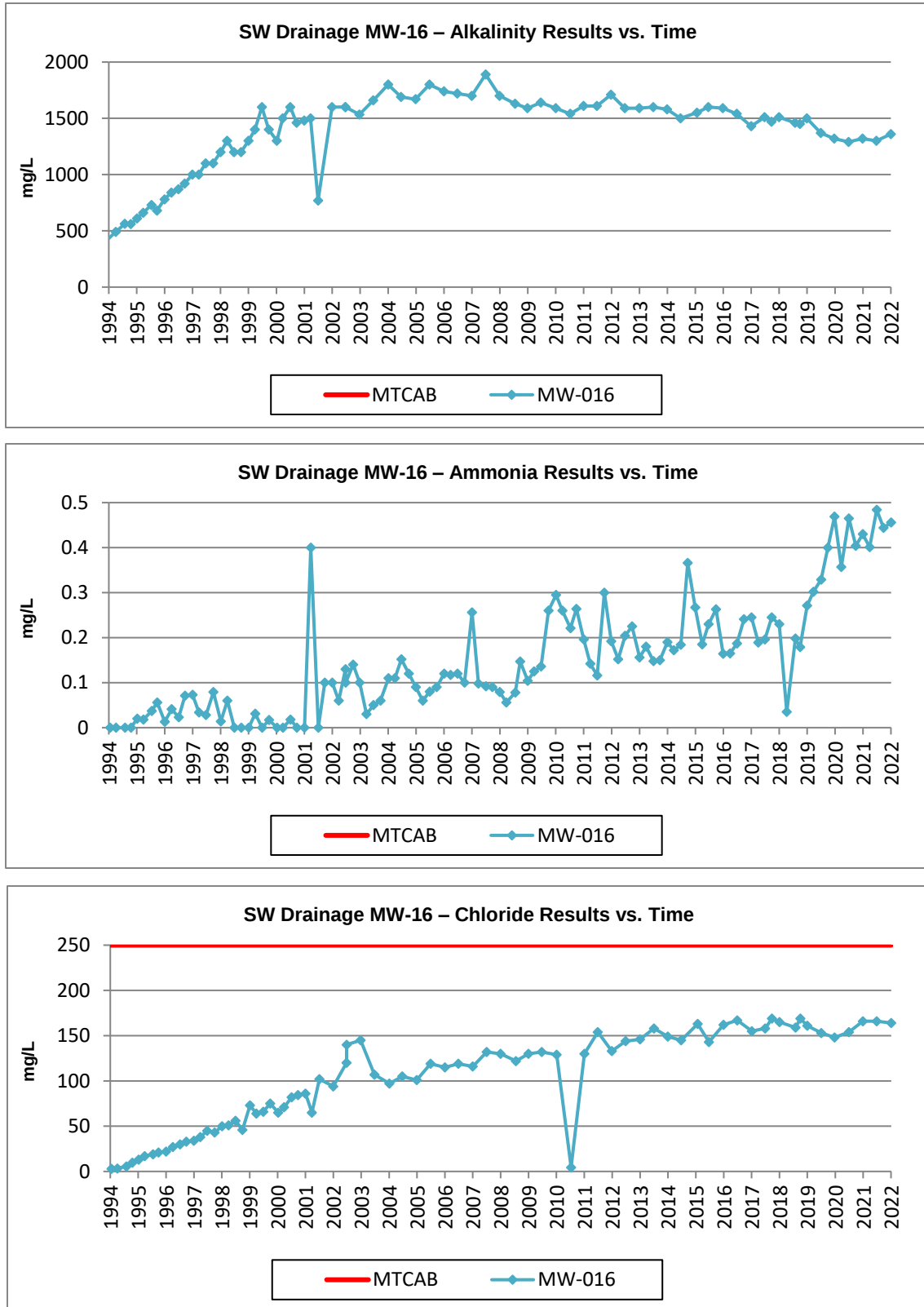


Figure 2-37: MW-016 Inorganics Concentration Graphs (cont.)

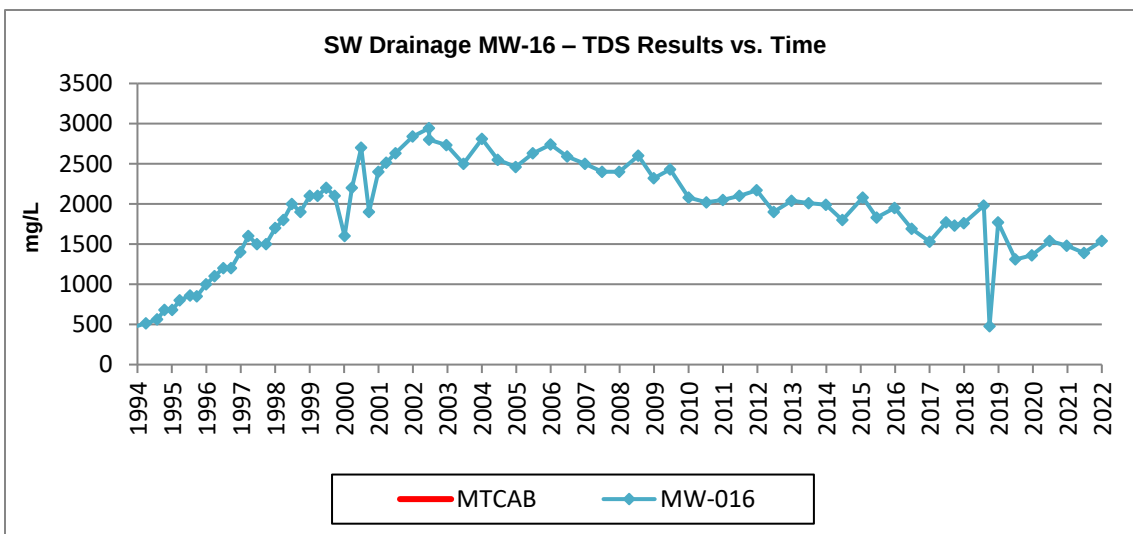
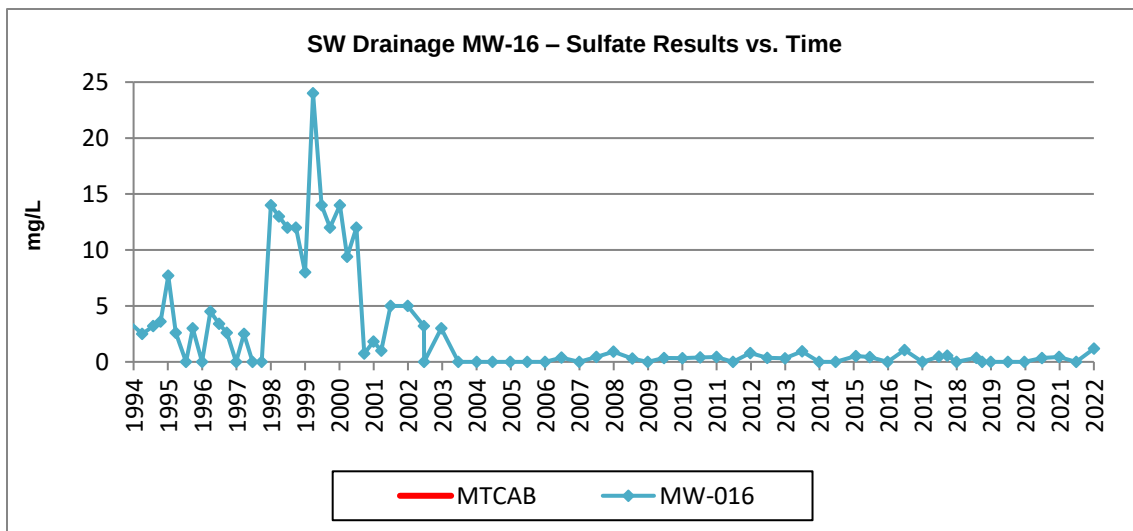
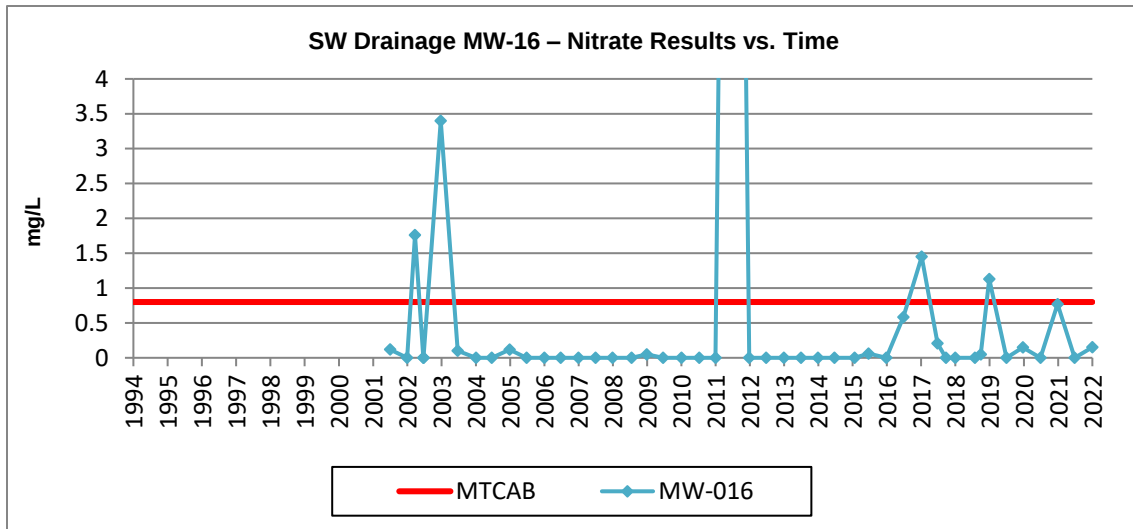


## SW MW-16 Monitoring Wells: Conventional Time Series Graphs

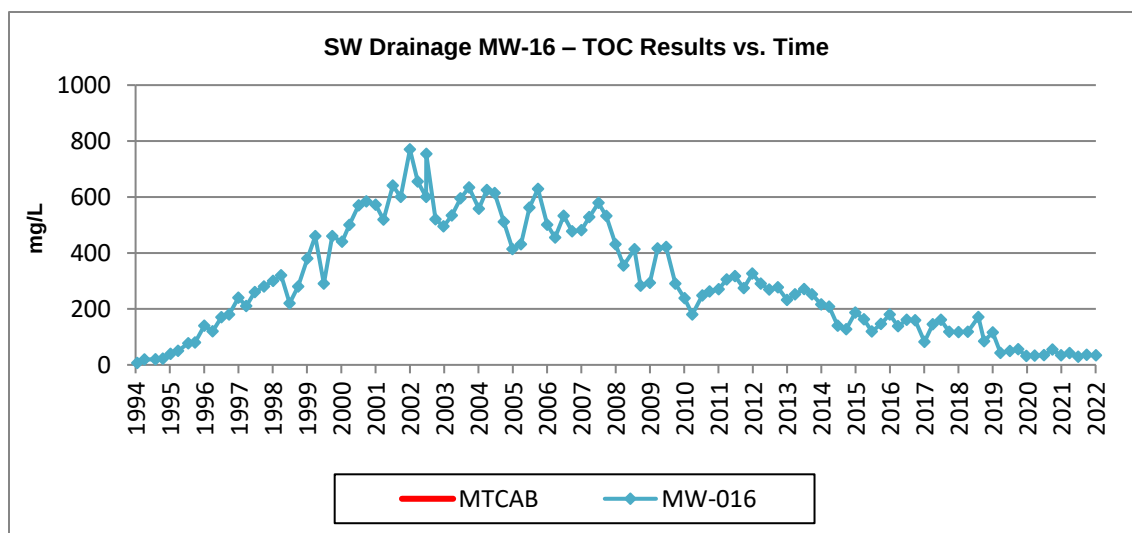
Figure 2-38: MW-016 Conventional Concentration Graphs



**Figure 2-39: MW-016 Conventional Concentration Graphs (cont.)**



**Figure 2-40: MW-016 Conventional Concentration Graphs**



**MW-016 Analyte Concentrations: Summary of 4-year and 1-year differences:**

| StationID | DrainageArea | Analyte | - 4 Year Results | - 1 Year Results | Current Year Results | 4-Year Difference | 1-Year Difference | Units      |
|-----------|--------------|---------|------------------|------------------|----------------------|-------------------|-------------------|------------|
| MW-016    | Southwest    | 1,2-DCP | 14.6             | 13.2             | 14.4                 | -0.2              | 1.2               | ug/L       |
| MW-016    | Southwest    | Acetone | 2500             | 460              | 304                  | -2196             | -156              | ug/L       |
| MW-016    | Southwest    | ALK     | 1510             | 1320             | 1360                 | -150              | 40                | mg/L as Ca |
| MW-016    | Southwest    | As      | 0.0634           | 0.0581           | 0.0649               | 0.0015            | 0.0068            | mg/L       |
| MW-016    | Southwest    | Ba      | 0.744            | 0.629            | 0.674                | -0.07             | 0.045             | mg/L       |
| MW-016    | Southwest    | Benzene | 17.5             | 11.2             | 12.7                 | -4.8              | 1.5               | ug/L       |
| MW-016    | Southwest    | Cl      | 165              | 166              | 164                  | -1                | -2                | mg/L       |
| MW-016    | Southwest    | DCA     | 0                | 5.94             | 7.05                 | 7.05              | 1.11              | ug/L       |
| MW-016    | Southwest    | MC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-016    | Southwest    | Mn      | 0.907            | 0.478            | 0.503                | -0.404            | 0.025             | mg/L       |
| MW-016    | Southwest    | N-NH3   | 0.23             | 0.43             | 0.456                | 0.226             | 0.026             | mg/L       |
| MW-016    | Southwest    | N-NO3   | 0                | 0.77             | 0.152                | 0.152             | -0.618            | mg/L       |
| MW-016    | Southwest    | Pb      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-016    | Southwest    | PCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-016    | Southwest    | SO4     | 0                | 0.44             | 1.18                 | 1.18              | 0.74              | mg/L       |
| MW-016    | Southwest    | TCE     | 0                | 0.61             | 0.53                 | 0.53              | -0.08             | ug/L       |
| MW-016    | Southwest    | TDS     | 1760             | 1480             | 1540                 | -220              | 60                | mg/L       |
| MW-016    | Southwest    | TOC     | 117              | 33.8             | 34                   | -83               | 0.2               | mg/L       |
| MW-016    | Southwest    | Toluene | 41.4             | 9.26             | 8.09                 | -33.31            | -1.17             | ug/L       |
| MW-016    | Southwest    | VC      | 0                | 1.22             | 0.91                 | 0.91              | -0.31             | ug/L       |
| MW-016    | Southwest    | Zn      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |

- 4-year results are from 2018, - 1-year results are from 2021, and current-year results are from 2022 (4-year/2018 results were used due to lack of comparable sampling results from 2017).

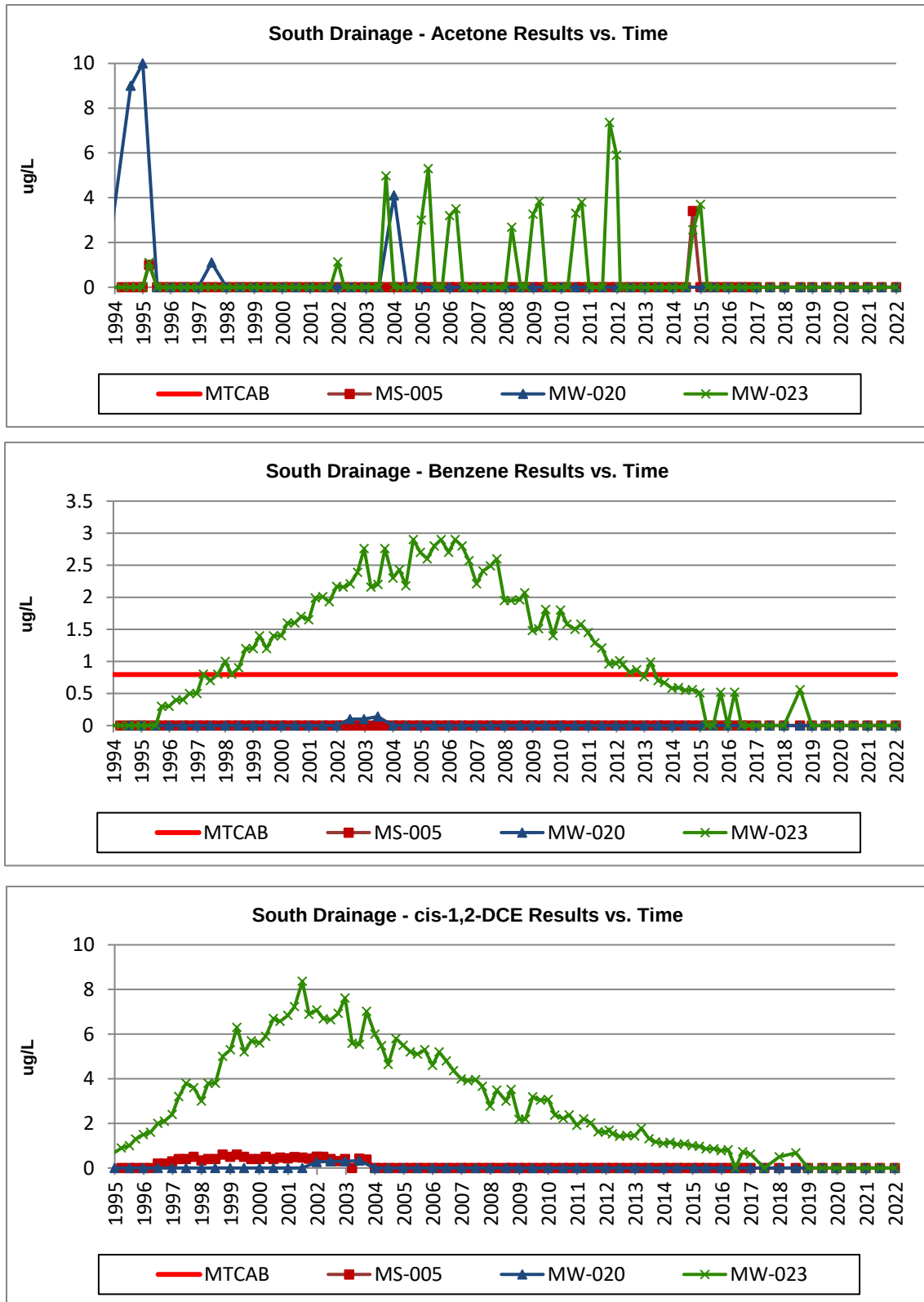
Analytes that exceeded clean-up criteria this reporting period are displayed in **ORANGE**.

Increases in analyte concentrations are highlighted in **RED**.

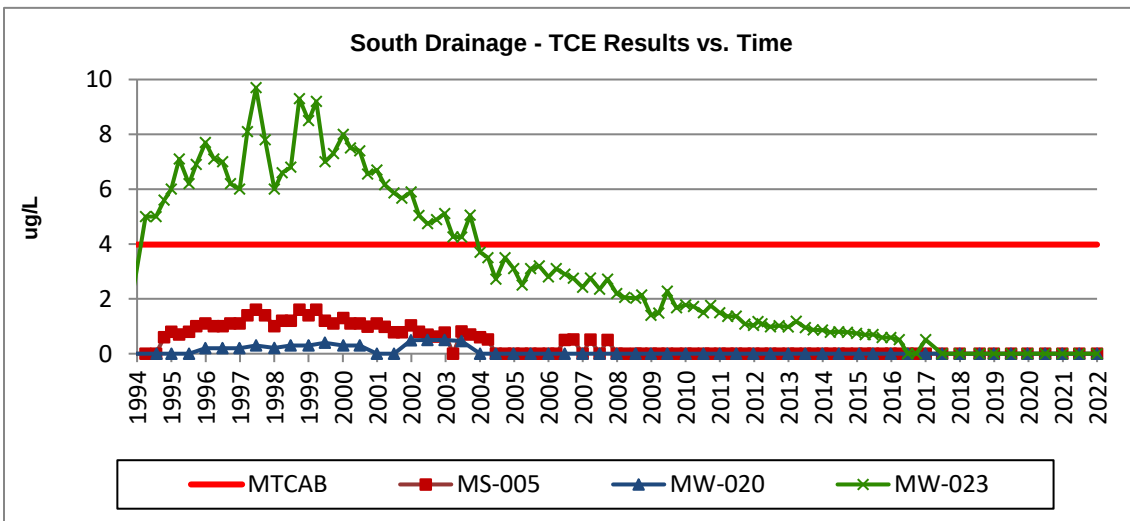
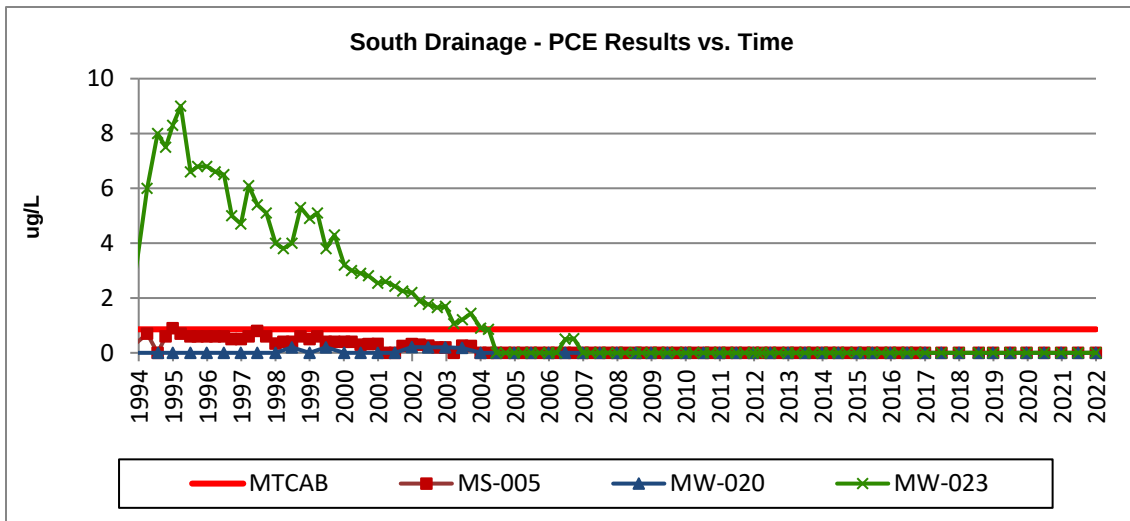
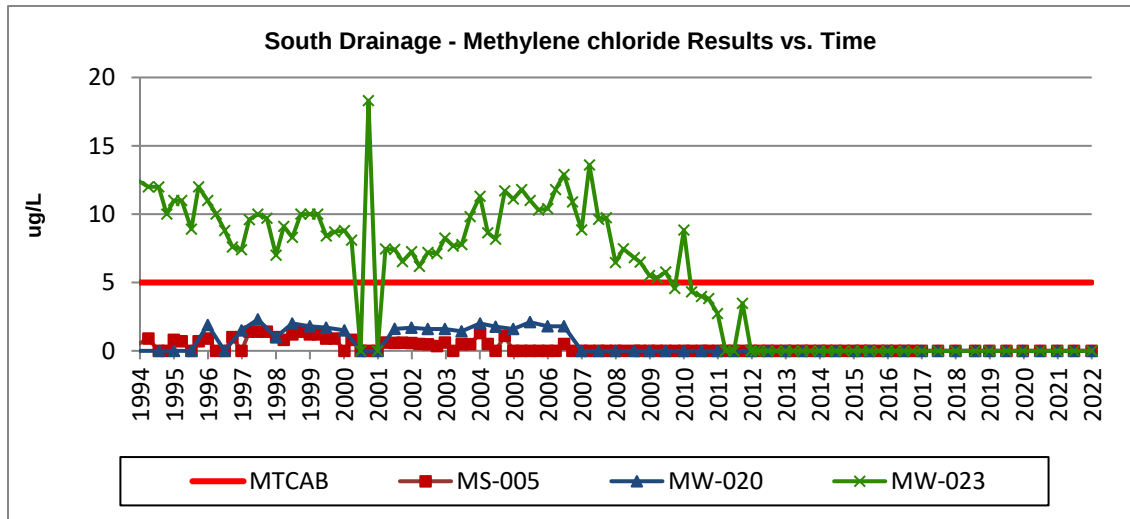
Decreases in analyte concentrations are highlighted in **BLUE**.

## South Drainage Monitoring Wells: VOCs/SVOCs Time Series Graphs

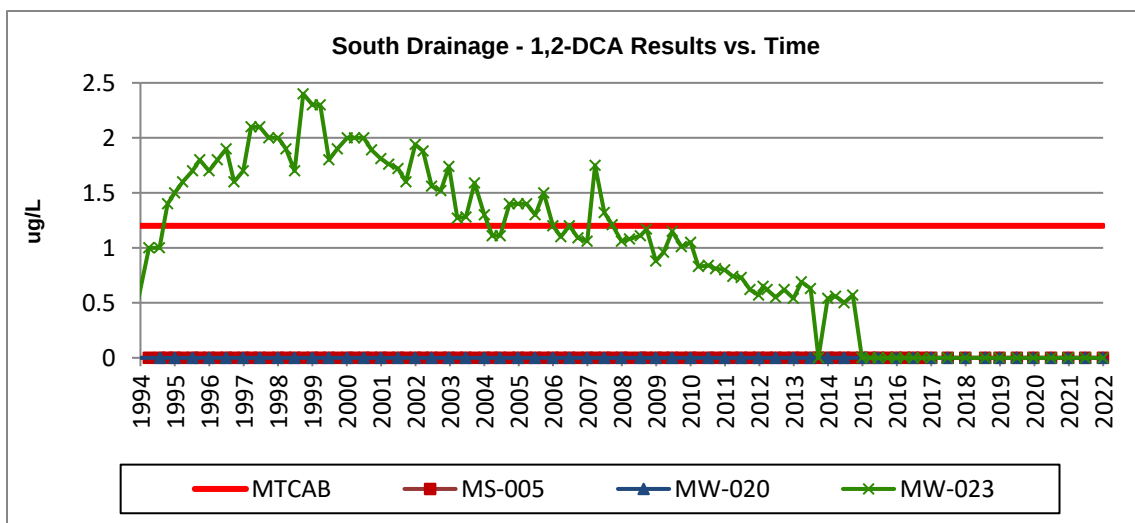
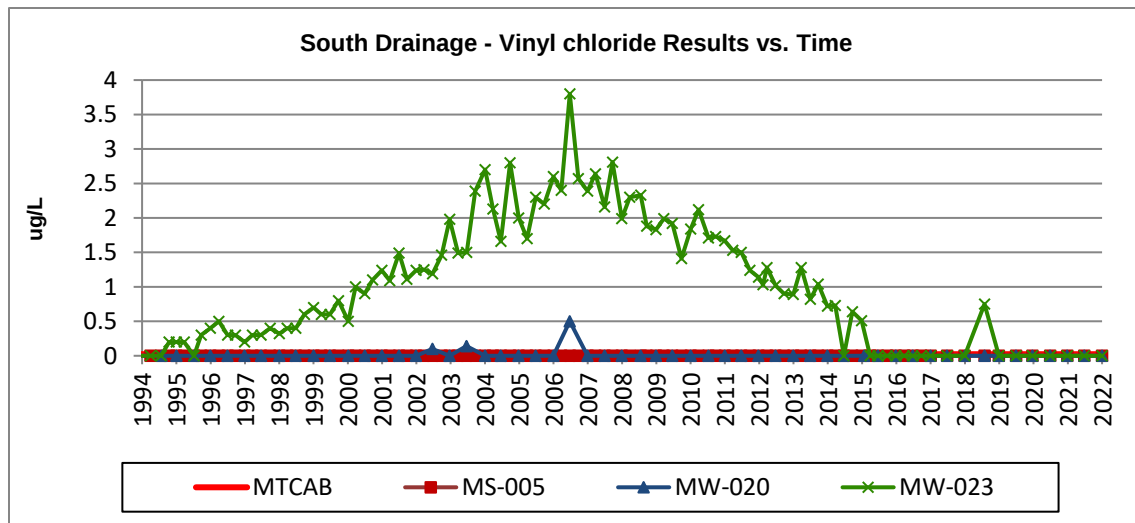
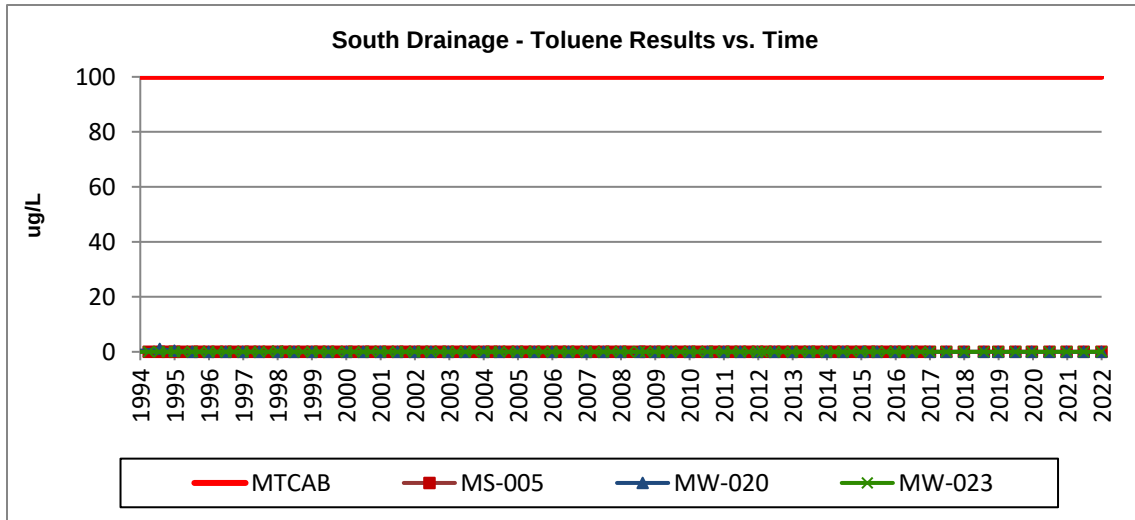
Figure 2-41: South Wells VOCs / SVOCs Concentration Graphs



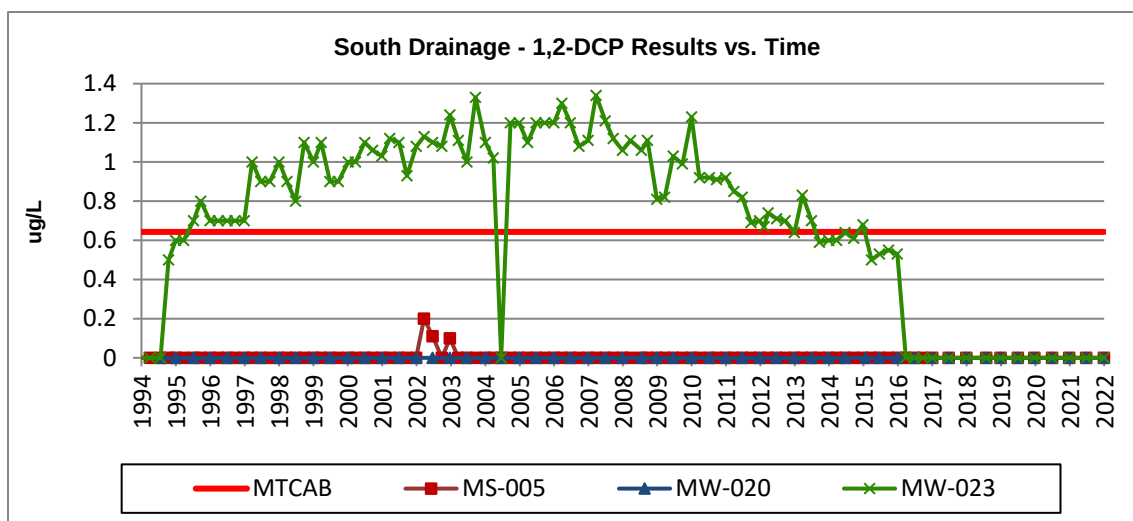
**Figure 2-42: South Wells VOCs / SVOCs Concentration Graphs**



**Figure 2-43: South Wells VOCs / SVOCs Concentration Graphs (cont.)**

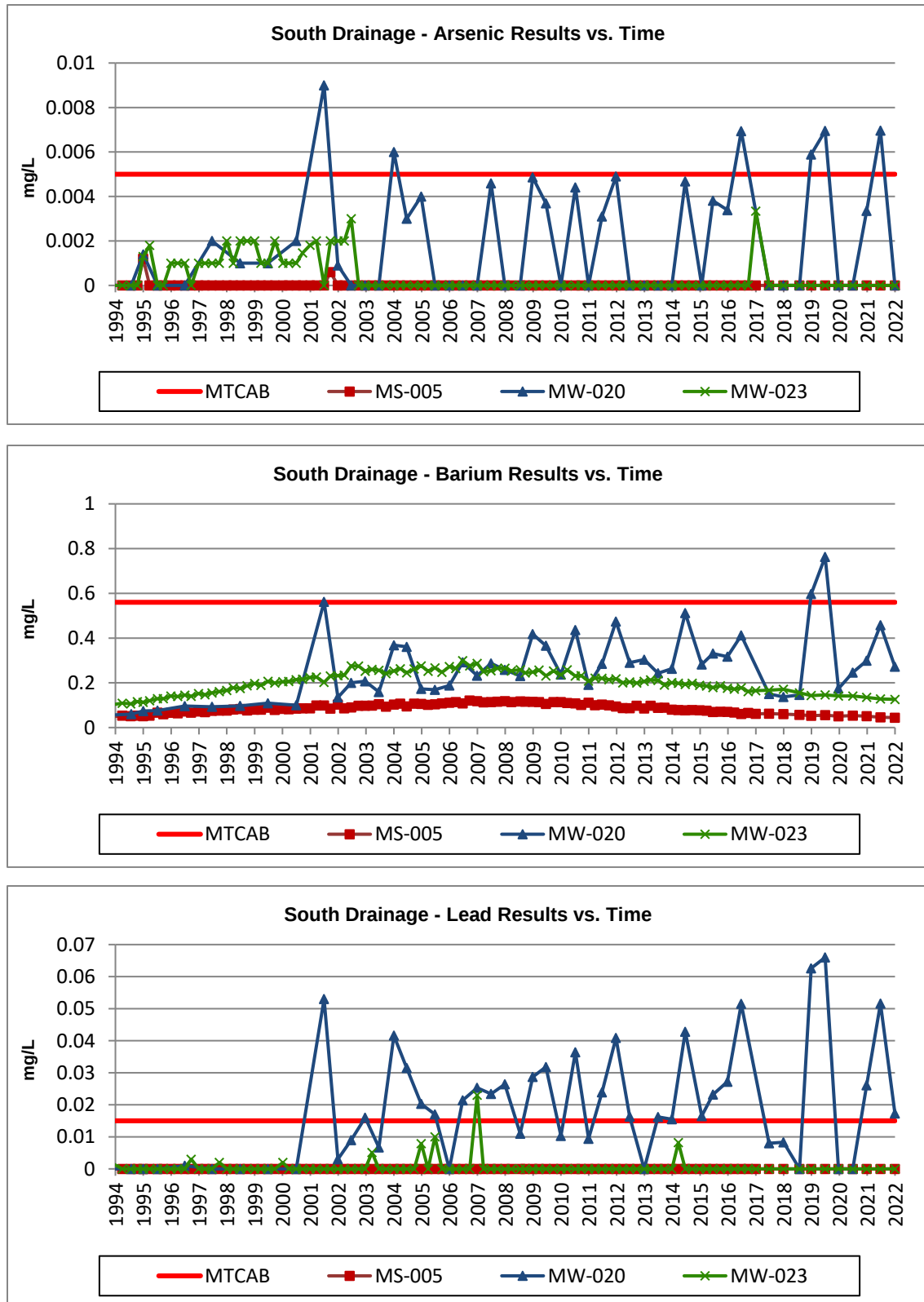


**Figure 2-44: South Wells VOCs / SVOCs Concentration Graphs (cont.)**

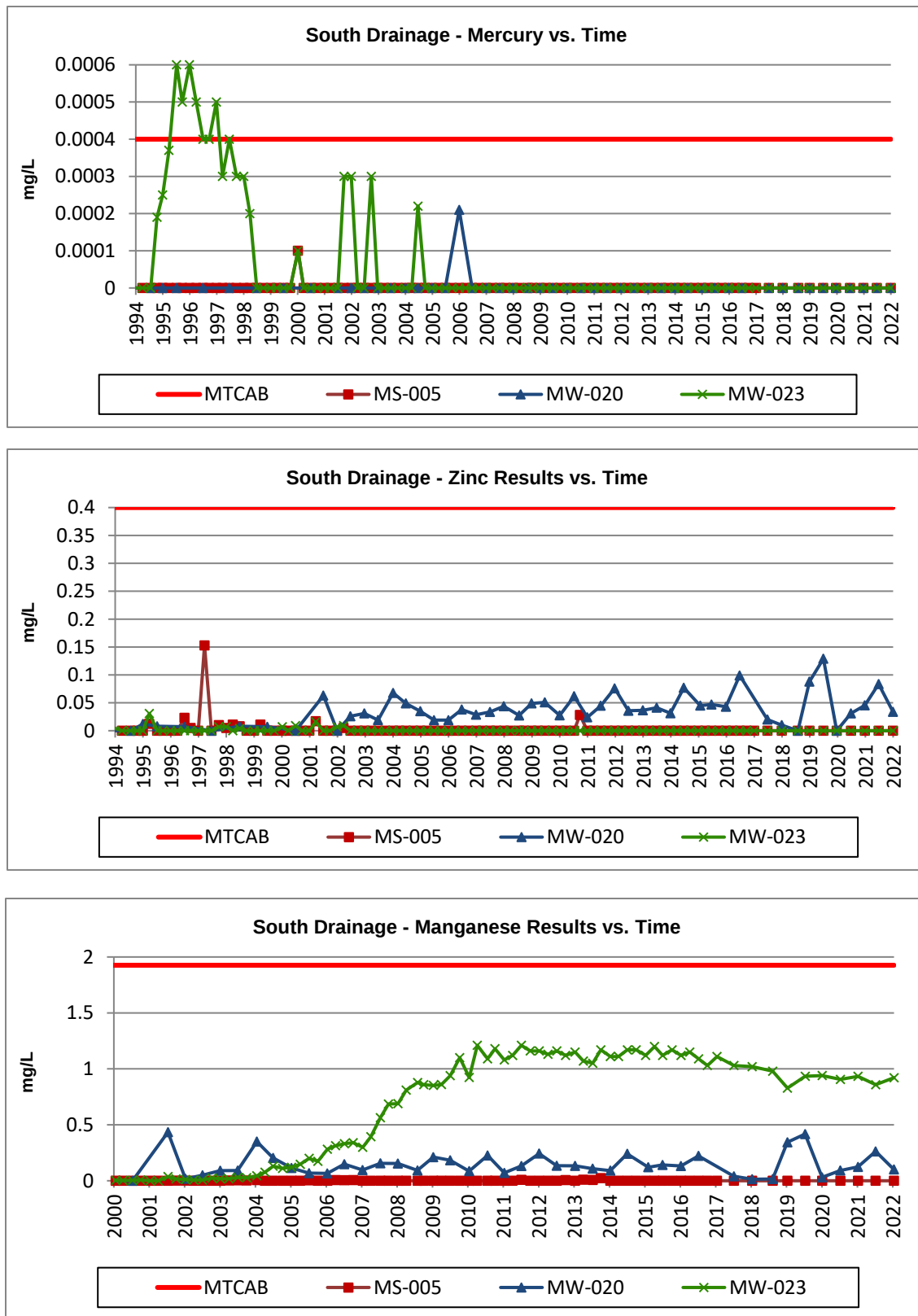


## South Drainage Monitoring Wells: Inorganics Time Series Graphs

Figure 2-45: South Wells Inorganics Concentration Graphs

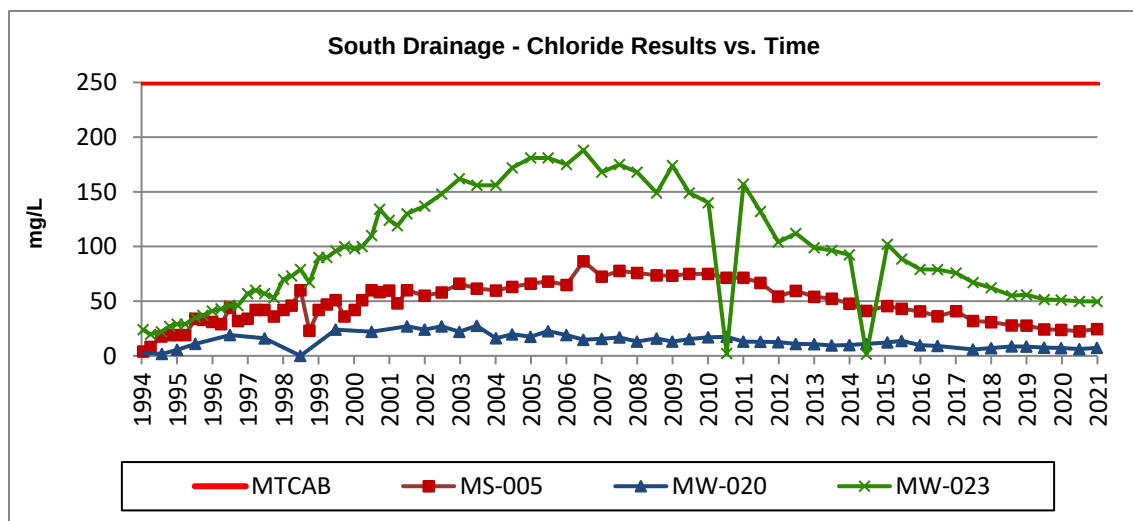
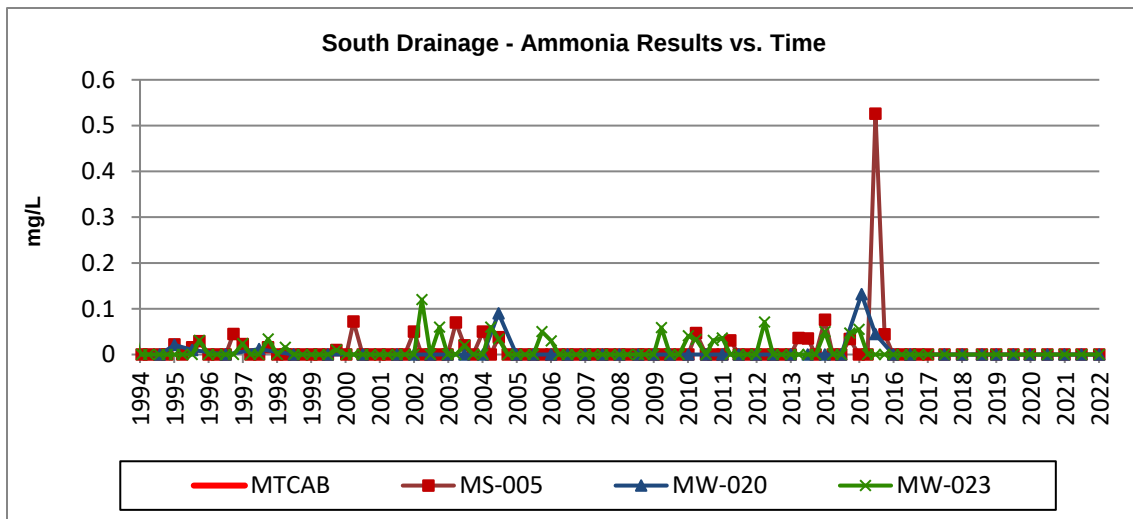
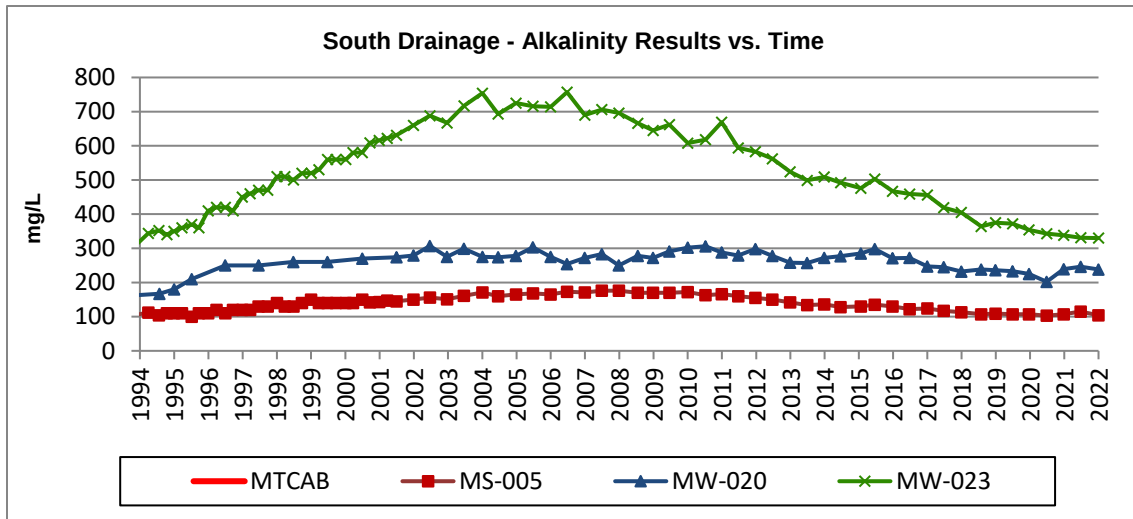


**Figure 2-46: South Wells Inorganics Concentration Graphs (cont.)**

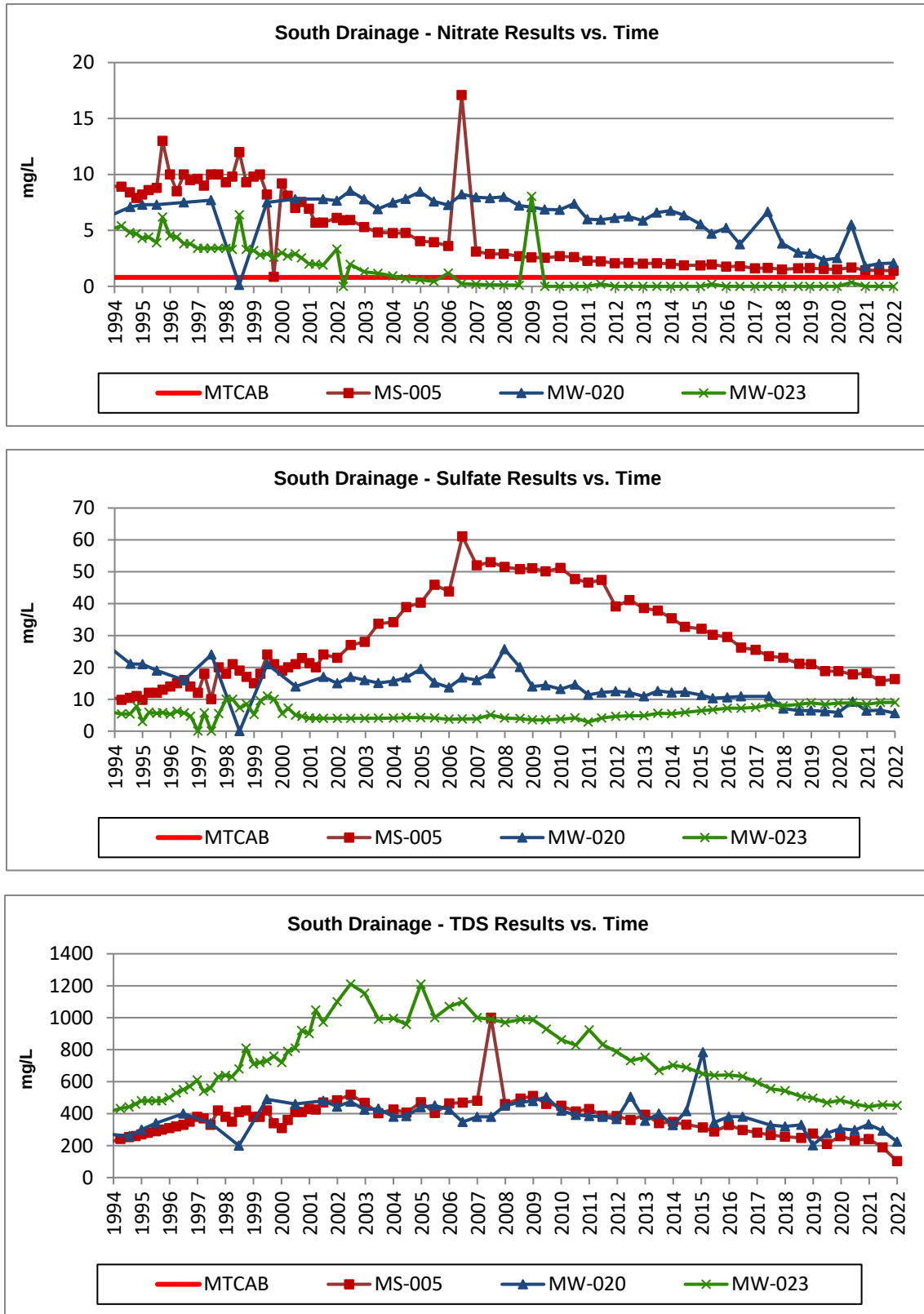


## South Drainage Monitoring Wells: Conventional Time Series Graphs

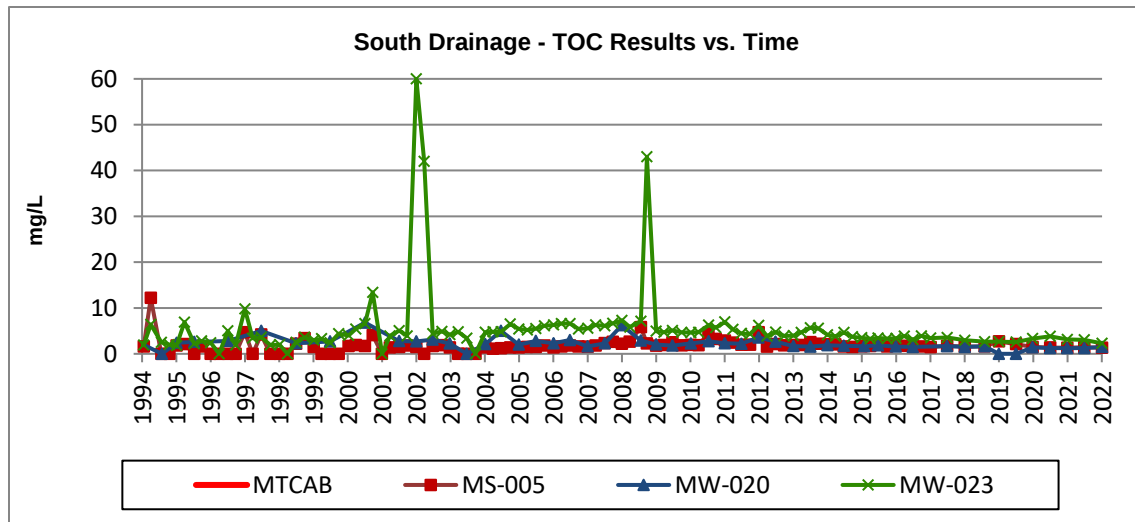
Figure 2-47: South Wells Conventional Concentration Graphs



**Figure 2-48: South Wells Conventional Concentration Graphs (cont.)**



**Figure 2-49: South Wells – Conventional Concentration Graphs (cont.)**



**South Analyte Concentrations: Summary of 4-year and 1-year differences:**

| StationID | DrainageArea | Analyte | - 4 Year Results | - 1 Year Results | Current Year Results | 4-Year Difference | 1-Year Difference | Units      |
|-----------|--------------|---------|------------------|------------------|----------------------|-------------------|-------------------|------------|
| MS-005    | South        | 1,2-DCP | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MS-005    | South        | Acetone | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MS-005    | South        | ALK     | 113              | 107              | 104                  | -9                | -3                | mg/L as Ca |
| MS-005    | South        | As      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MS-005    | South        | Ba      | 0.0602           | 0.0508           | 0.0443               | -0.0159           | -0.0065           | mg/L       |
| MS-005    | South        | Benzene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MS-005    | South        | Cl      | 30.8             | 24.5             | 21.3                 | -9.5              | -3.2              | mg/L       |
| MS-005    | South        | DCA     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MS-005    | South        | MC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MS-005    | South        | Mn      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MS-005    | South        | N-NH3   | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MS-005    | South        | N-NO3   | 1.51             | 1.44             | 1.39                 | -0.12             | -0.05             | mg/L       |
| MS-005    | South        | Pb      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MS-005    | South        | PCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MS-005    | South        | SO4     | 23               | 18.2             | 16.3                 | -6.7              | -1.9              | mg/L       |
| MS-005    | South        | TCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MS-005    | South        | TDS     | 256              | 241              | 103                  | -153              | -138              | mg/L       |
| MS-005    | South        | TOC     | 1.57             | 1.32             | 1.32                 | -0.25             | 0                 | mg/L       |
| MS-005    | South        | Toluene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MS-005    | South        | VC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MS-005    | South        | Zn      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-020    | South        | 1,2-DCP | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-020    | South        | Acetone | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-020    | South        | ALK     | 232              | 239              | 238                  | 6                 | -1                | mg/L as Ca |
| MW-020    | South        | As      | 0                | 0.00335          | 0.00696              | 0.00696           | 0.00361           | mg/L       |
| MW-020    | South        | Ba      | 0.137            | 0.299            | 0.272                | 0.135             | -0.027            | mg/L       |
| MW-020    | South        | Benzene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-020    | South        | Cl      | 7.11             | 7.36             | 7.59                 | 0.48              | 0.23              | mg/L       |
| MW-020    | South        | DCA     | 0.63             | 0.6              | 0.67                 | 0.04              | 0.07              | ug/L       |
| MW-020    | South        | MC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-020    | South        | Mn      | 0.0139           | 0.124            | 0.101                | 0.0871            | -0.023            | mg/L       |
| MW-020    | South        | N-NH3   | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-020    | South        | N-NO3   | 3.83             | 1.8              | 2.08                 | -1.75             | 0.28              | mg/L       |

| StationID | DrainageArea | Analyte | - 4 Year Results | - 1 Year Results | Current Year Results | 4-Year Difference | 1-Year Difference | Units      |
|-----------|--------------|---------|------------------|------------------|----------------------|-------------------|-------------------|------------|
| MW-020    | South        | Pb      | 0.0083           | 0.0261           | 0.0173               | 0.009             | -0.0088           | mg/L       |
| MW-020    | South        | PCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-020    | South        | SO4     | 7.07             | 6.39             | 5.63                 | -1.44             | -0.76             | mg/L       |
| MW-020    | South        | TCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-020    | South        | TDS     | 320              | 333              | 225                  | -95               | -108              | mg/L       |
| MW-020    | South        | TOC     | 1.5              | 1.23             | 1.48                 | -0.02             | 0.25              | mg/L       |
| MW-020    | South        | Toluene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-020    | South        | VC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-020    | South        | Zn      | 0.01             | 0.0455           | 0.0338               | 0.0238            | -0.0117           | mg/L       |
| MW-023    | South        | 1,2-DCP | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-023    | South        | Acetone | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-023    | South        | ALK     | 405              | 338              | 329                  | -76               | -9                | mg/L as Ca |
| MW-023    | South        | As      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-023    | South        | Ba      | 0.171            | 0.135            | 0.126                | -0.045            | -0.009            | mg/L       |
| MW-023    | South        | Benzene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-023    | South        | Cl      | 61.9             | 49.7             | 43.5                 | -18.4             | -6.2              | mg/L       |
| MW-023    | South        | DCA     | 2.63             | 1.94             | 1.53                 | -1.1              | -0.41             | ug/L       |
| MW-023    | South        | MC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-023    | South        | Mn      | 1.02             | 0.933            | 0.921                | -0.099            | -0.012            | mg/L       |
| MW-023    | South        | N-NH3   | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-023    | South        | N-NO3   | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-023    | South        | Pb      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-023    | South        | PCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-023    | South        | SO4     | 7.9              | 8.42             | 8.96                 | 1.06              | 0.54              | mg/L       |
| MW-023    | South        | TCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-023    | South        | TDS     | 535              | 443              | 438                  | -97               | -5                | mg/L       |
| MW-023    | South        | TOC     | 2.97             | 3.13             | 2.29                 | -0.68             | -0.84             | mg/L       |
| MW-023    | South        | Toluene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-023    | South        | VC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-023    | South        | Zn      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |

- 4-year results are from 2018, - 1-year results are from 2021, and current-year results are from 2022 (4-year/2018 results were used due to lack of comparable sampling results from 2017).

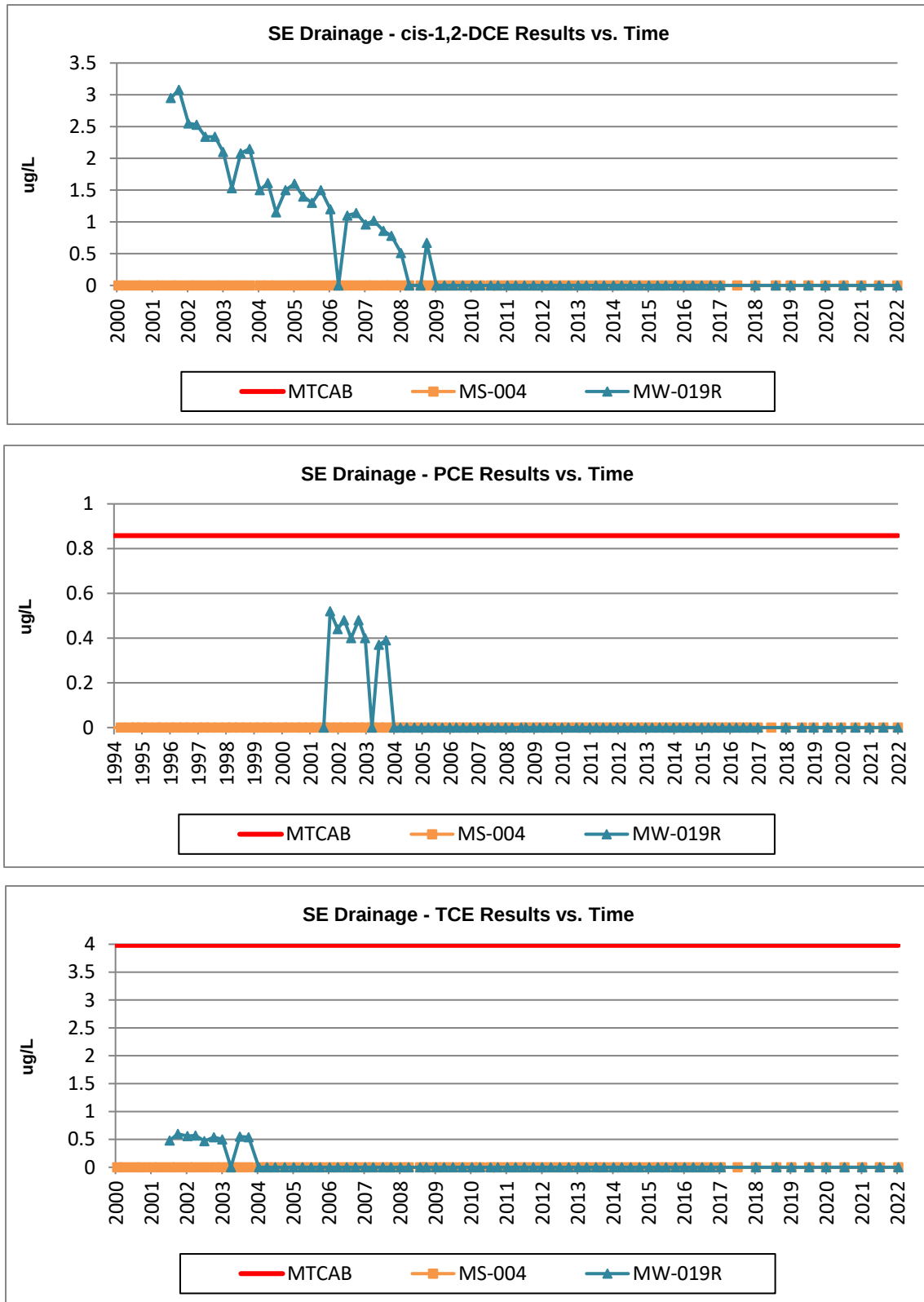
Analytes that exceeded clean-up criteria this reporting period are displayed in **ORANGE**.

Increases in analyte concentrations are highlighted in **RED**.

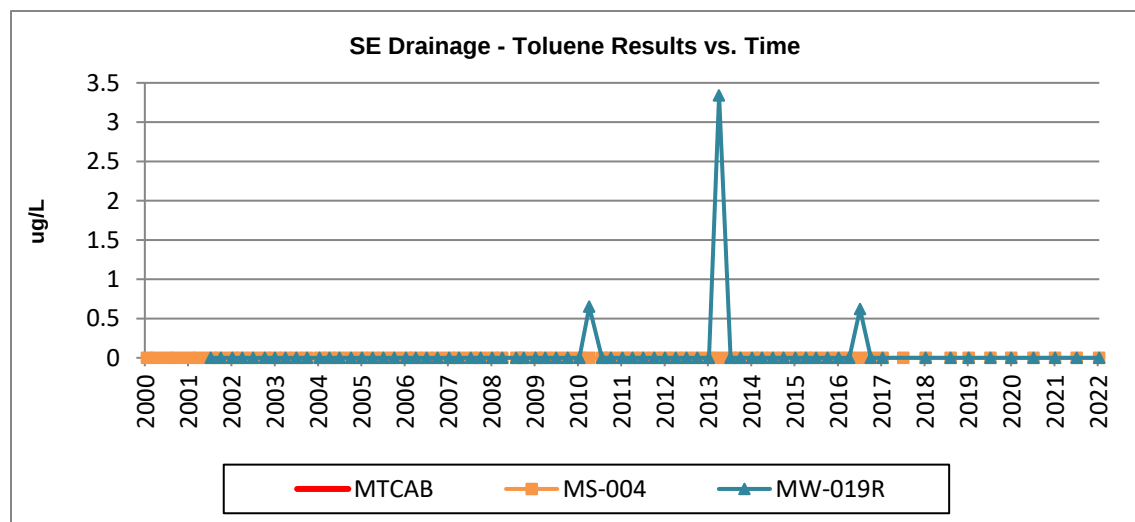
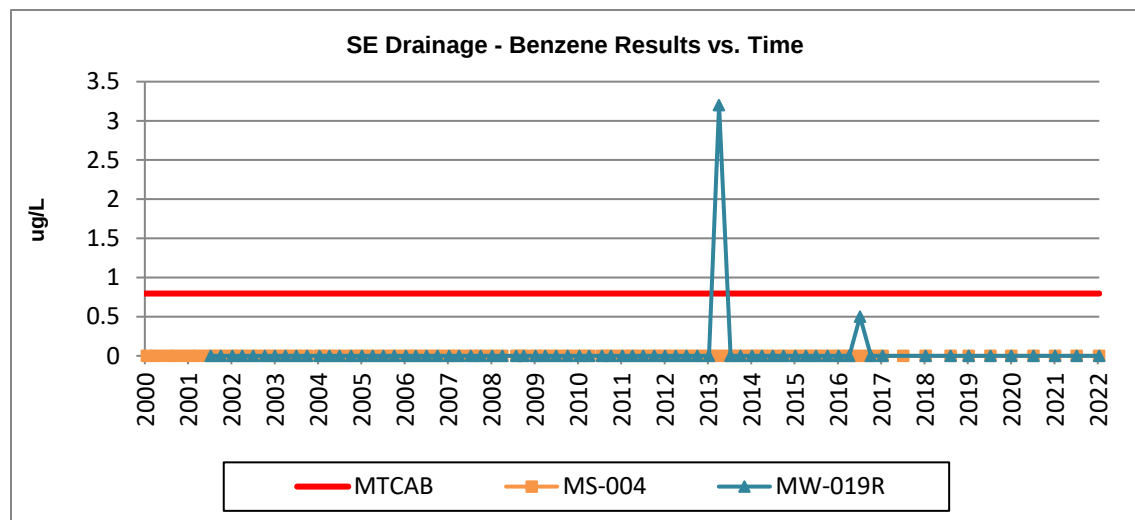
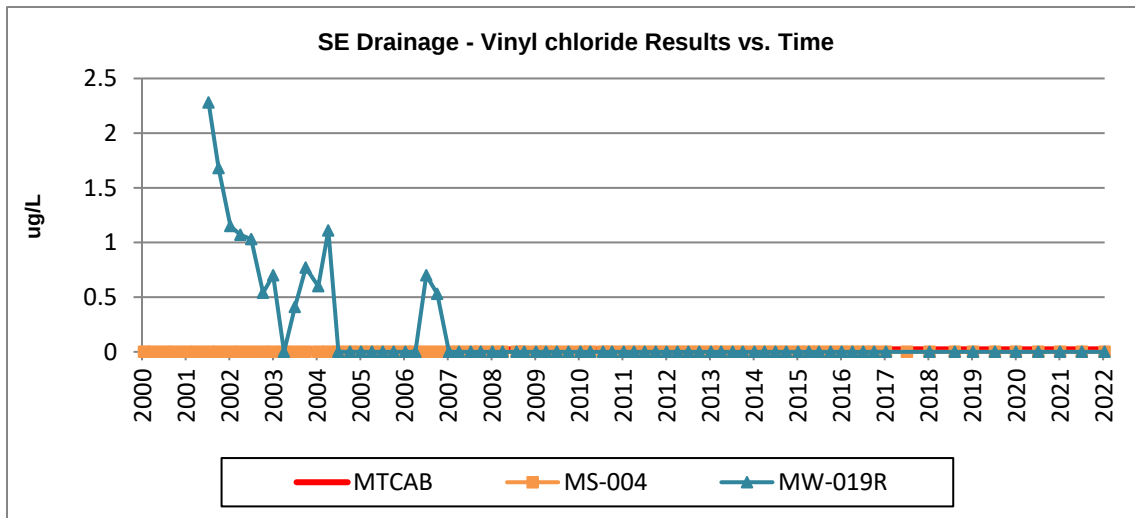
Decreases in analyte concentrations are highlighted in **BLUE**.

**SE Drainage Monitoring Wells: VOCs/SVOCs Time Series Graphs**

**Figure 2-50: Southeast Wells VOCs / SVOCs Concentration Graphs**



**Figure 2-51: Southeast Wells VOCs / SVOCs Concentration Graphs**



## SE Drainage Monitoring Wells: Inorganics Time Series Graphs

Figure 2-52: SE Wells Inorganics Concentration Graphs

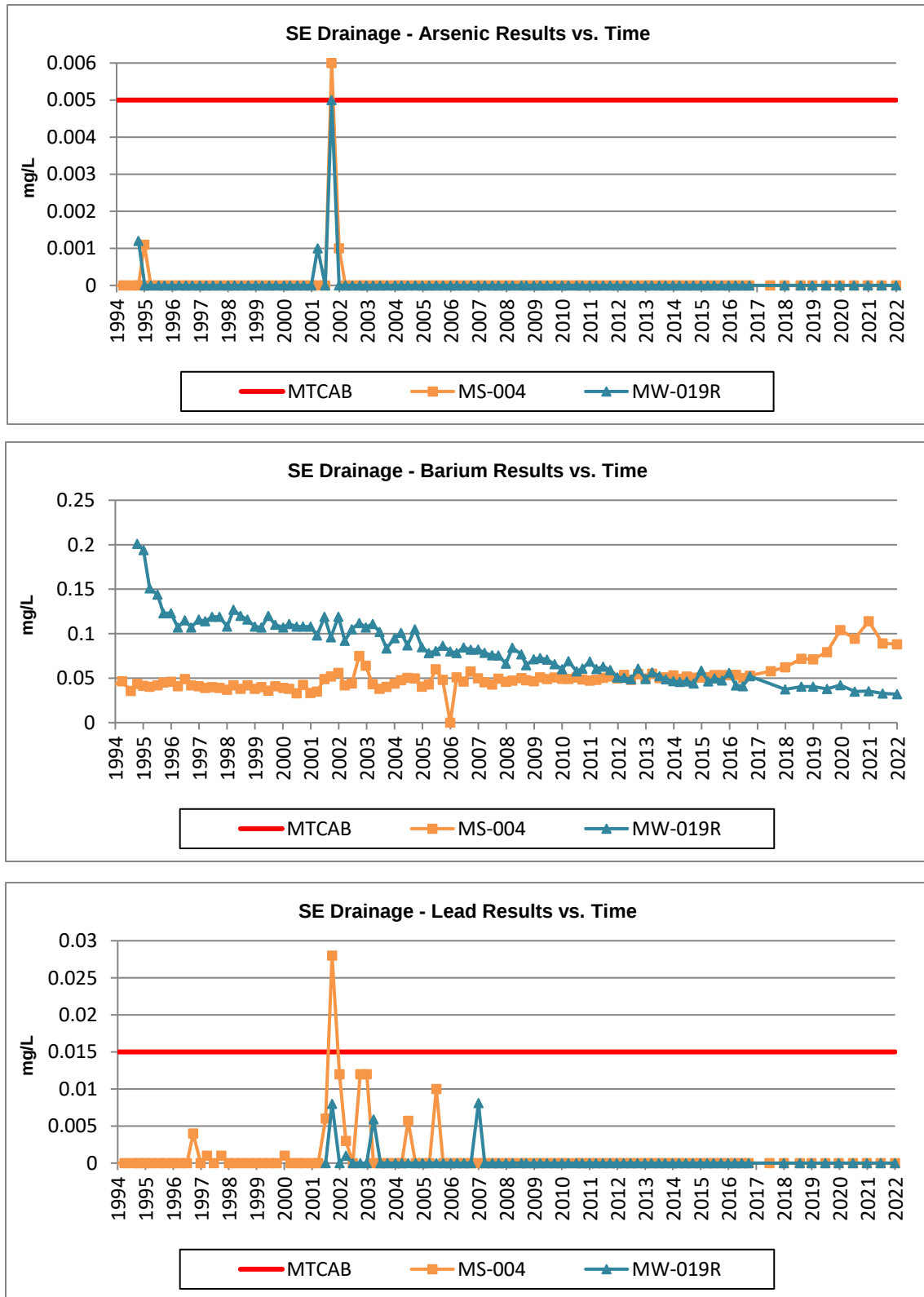
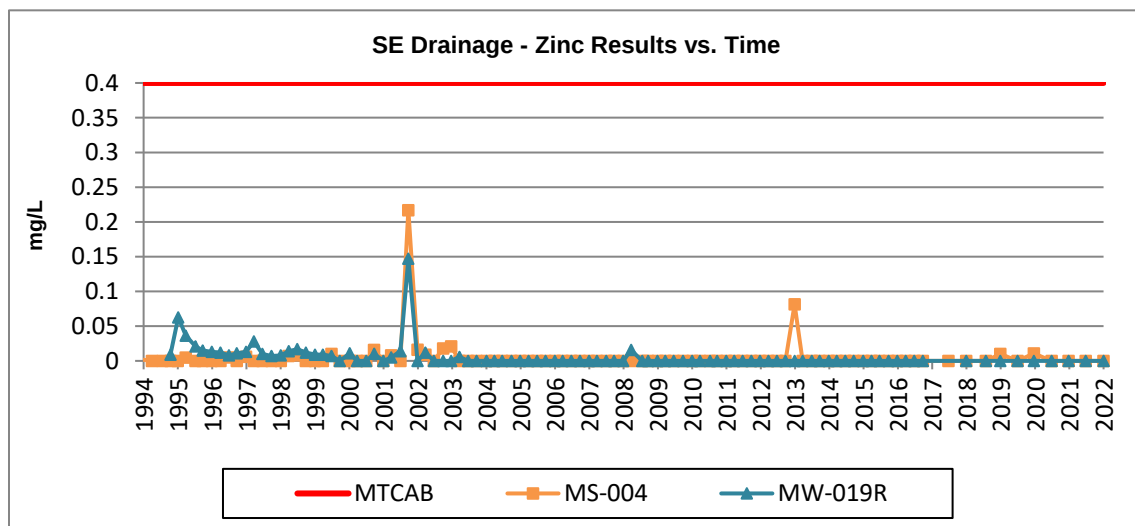
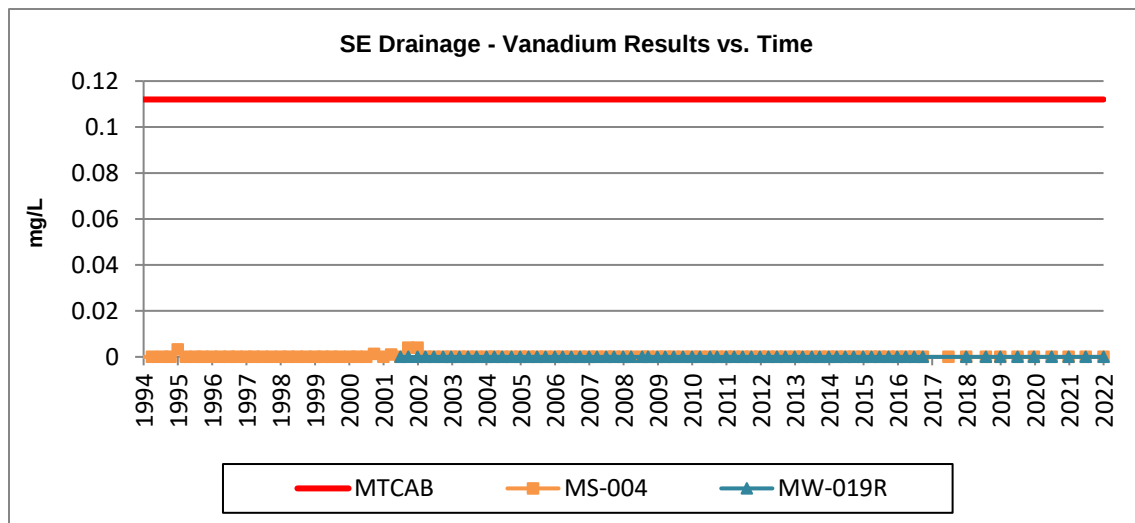
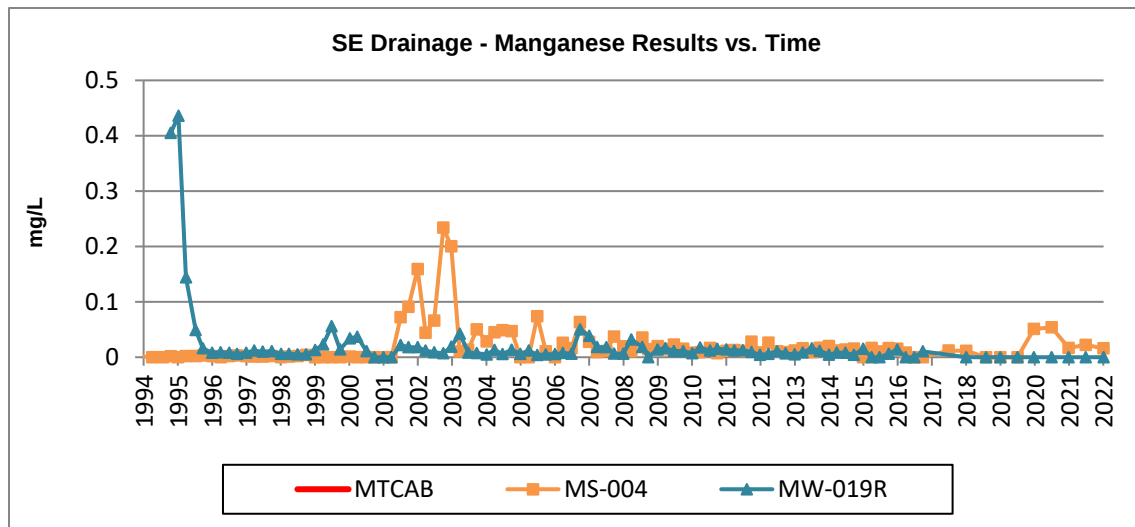
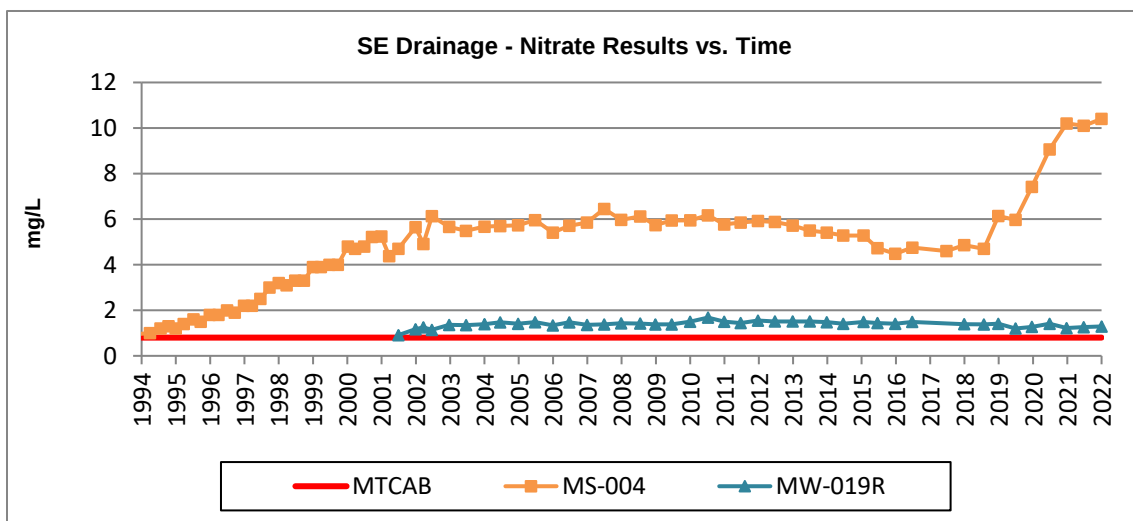
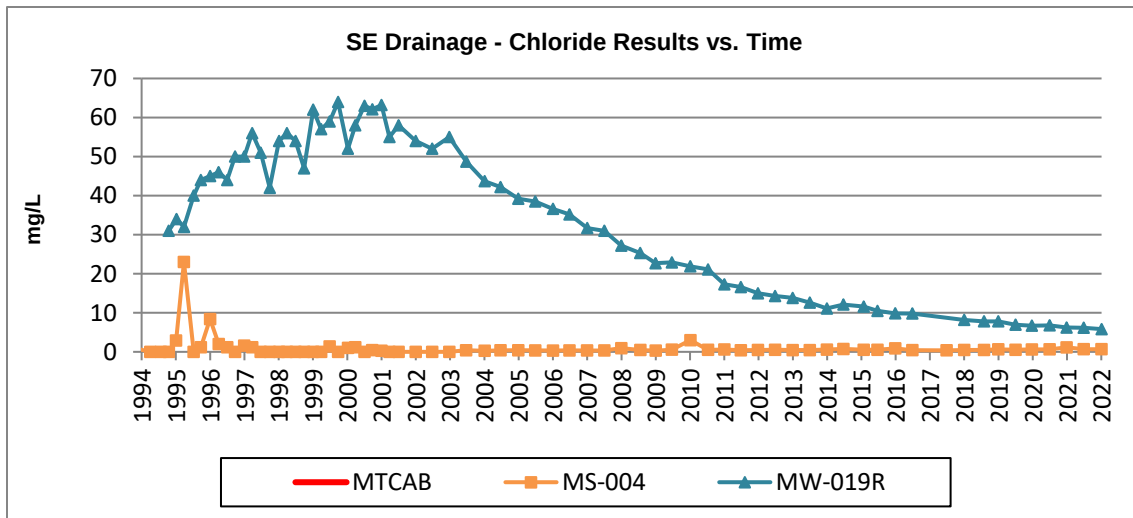
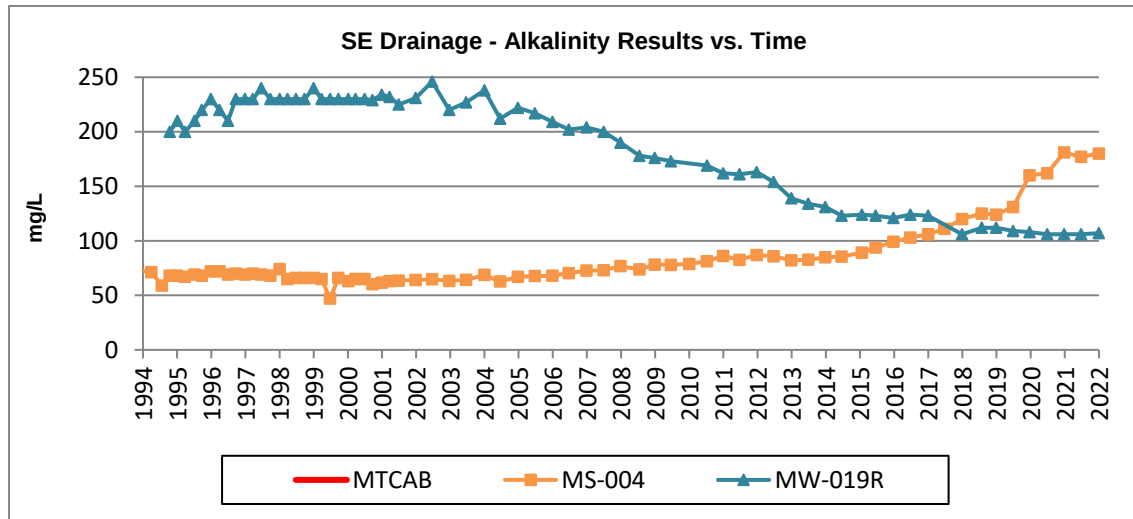


Figure 2-53: SE Wells Inorganics Concentration Graphs (cont.)

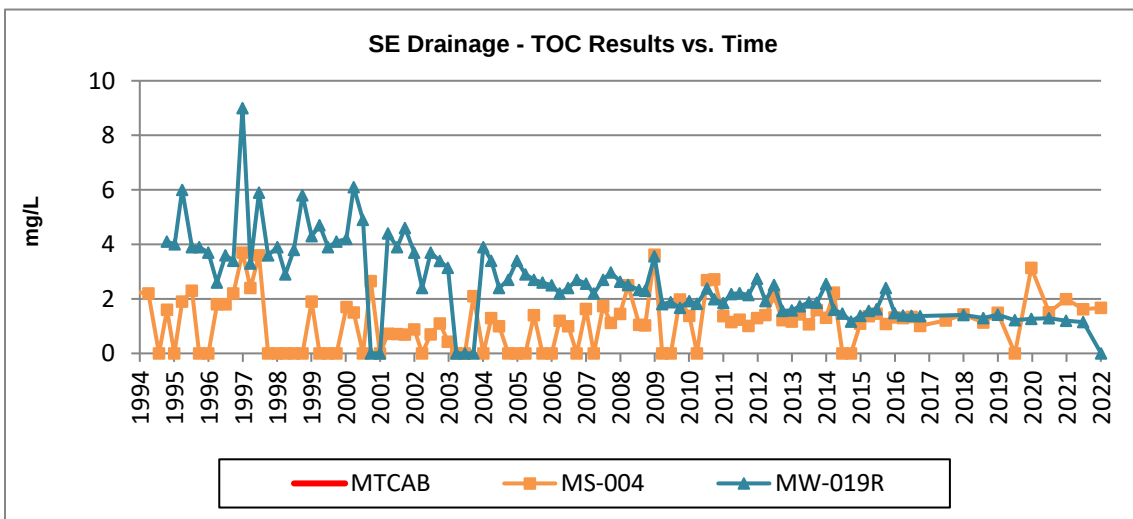
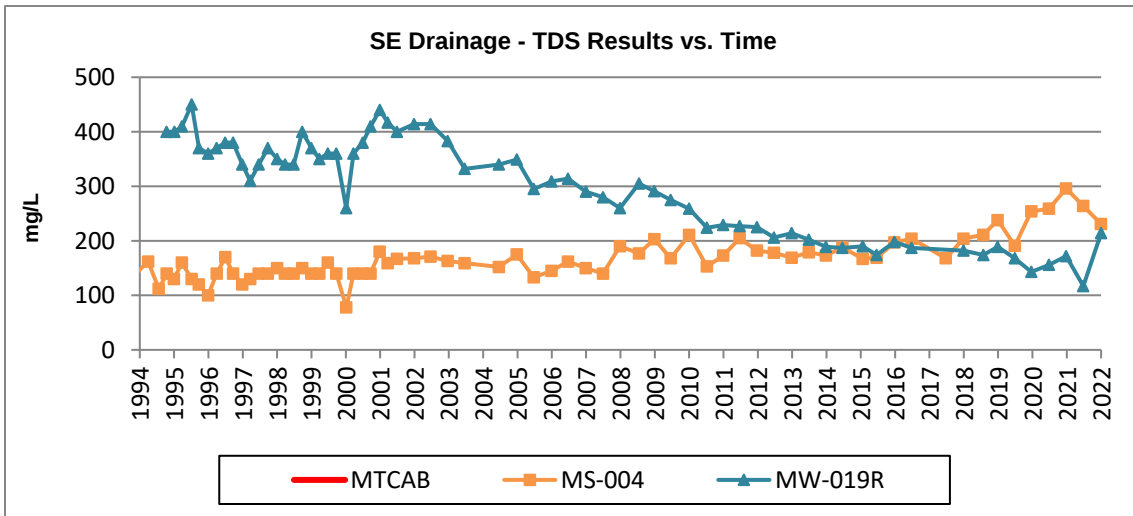
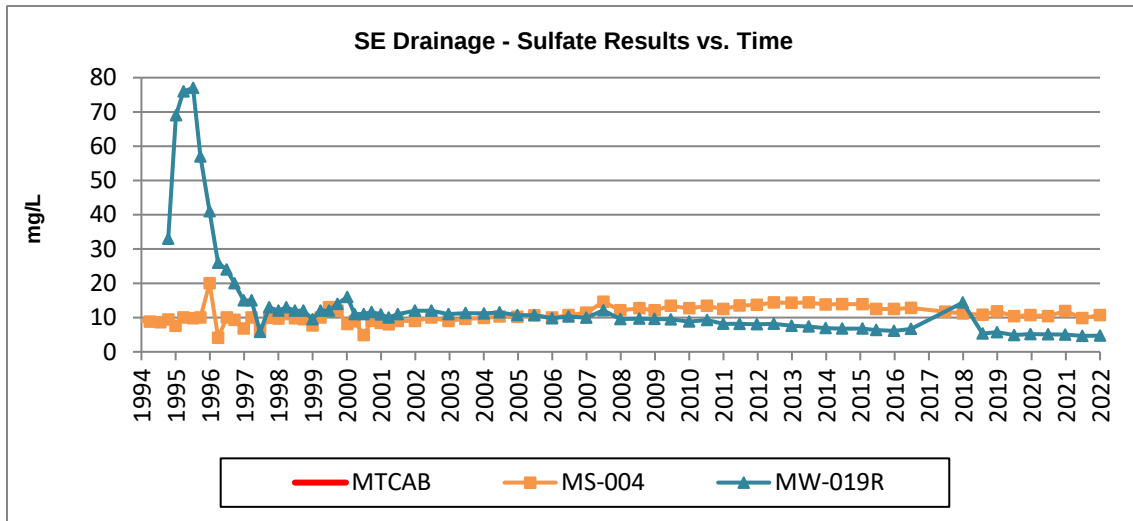


## SE Drainage Monitoring Wells: Conventional Time Series Graphs

Figure 2-54: SE Wells Conventional Concentration Graphs



**Figure 2-55: SE Wells Conventional Concentration Graphs (cont.)**



### SE Analyte Concentrations: Summary of 4-year and 1-year differences:

| StationID | DrainageArea | Analyte | - 4 Year Results | - 1 Year Results | Current Year Results | 4-Year Difference | 1-Year Difference | Units      |
|-----------|--------------|---------|------------------|------------------|----------------------|-------------------|-------------------|------------|
| MS-004    | Southeast    | 1,2-DCP | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MS-004    | Southeast    | Acetone | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MS-004    | Southeast    | ALK     | 120              | 181              | 180                  | 60                | -1                | mg/L as Ca |
| MS-004    | Southeast    | As      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MS-004    | Southeast    | Ba      | 0.0622           | 0.114            | 0.0881               | 0.0259            | -0.0259           | mg/L       |
| MS-004    | Southeast    | Benzene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MS-004    | Southeast    | Cl      | 0.47             | 1.15             | 0.67                 | 0.2               | -0.48             | mg/L       |
| MS-004    | Southeast    | DCA     | 0                | 1.15             | 1.25                 | 1.25              | 0.1               | ug/L       |
| MS-004    | Southeast    | MC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MS-004    | Southeast    | Mn      | 0.0116           | 0.0168           | 0.016                | 0.0044            | -0.0008           | mg/L       |
| MS-004    | Southeast    | N-NH3   | 0                | 3.41             | 0                    | 0                 | -3.41             | mg/L       |
| MS-004    | Southeast    | N-NO3   | 4.86             | 10.2             | 10.4                 | 5.54              | 0.2               | mg/L       |
| MS-004    | Southeast    | Pb      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MS-004    | Southeast    | PCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MS-004    | Southeast    | SO4     | 11.2             | 11.9             | 10.7                 | -0.5              | -1.2              | mg/L       |
| MS-004    | Southeast    | TCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MS-004    | Southeast    | TDS     | 204              | 296              | 231                  | 27                | -65               | mg/L       |
| MS-004    | Southeast    | TOC     | 1.43             | 1.99             | 1.67                 | 0.24              | -0.32             | mg/L       |
| MS-004    | Southeast    | Toluene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MS-004    | Southeast    | VC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MS-004    | Southeast    | Zn      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-019R   | Southeast    | 1,2-DCP | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-019R   | Southeast    | Acetone | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-019R   | Southeast    | ALK     | 106              | 106              | 107                  | 1                 | 1                 | mg/L as Ca |
| MW-019R   | Southeast    | As      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-019R   | Southeast    | Ba      | 0.0374           | 0.0354           | 0.032                | -0.0054           | -0.0034           | mg/L       |
| MW-019R   | Southeast    | Benzene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-019R   | Southeast    | Cl      | 8.18             | 6.22             | 5.82                 | -2.36             | -0.4              | mg/L       |
| MW-019R   | Southeast    | DCA     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-019R   | Southeast    | MC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-019R   | Southeast    | Mn      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-019R   | Southeast    | N-NH3   | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-019R   | Southeast    | N-NO3   | 1.39             | 1.22             | 1.29                 | -0.1              | 0.07              | mg/L       |
| MW-019R   | Southeast    | Pb      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| MW-019R   | Southeast    | PCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-019R   | Southeast    | SO4     | 14.4             | 5.02             | 4.72                 | -9.68             | -0.3              | mg/L       |
| MW-019R   | Southeast    | TCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-019R   | Southeast    | TDS     | 182              | 172              | 214                  | 32                | 42                | mg/L       |
| MW-019R   | Southeast    | TOC     | 1.41             | 1.2              | 0                    | -1.41             | -1.2              | mg/L       |
| MW-019R   | Southeast    | Toluene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-019R   | Southeast    | VC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| MW-019R   | Southeast    | Zn      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |

- 4-year results are from 2018, - 1-year results are from 2021, and current-year results are from 2022 (4-year/2018 results were used due to lack of comparable sampling results from 2017).

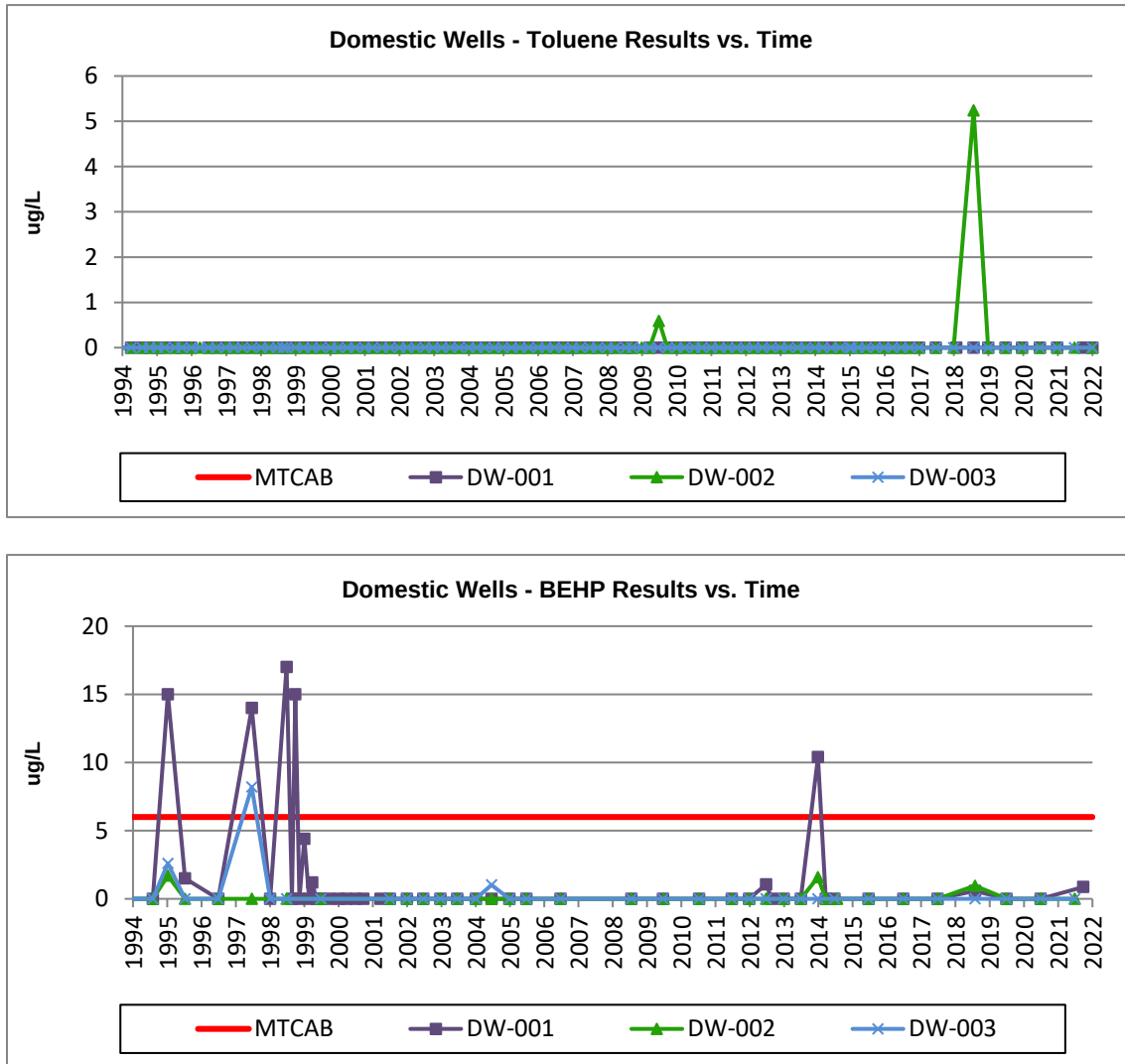
Analytes that exceeded clean-up criteria this reporting period are displayed in **ORANGE**.

Increases in analyte concentrations are highlighted in **RED**.

Decreases in analyte concentrations are highlighted in **BLUE**

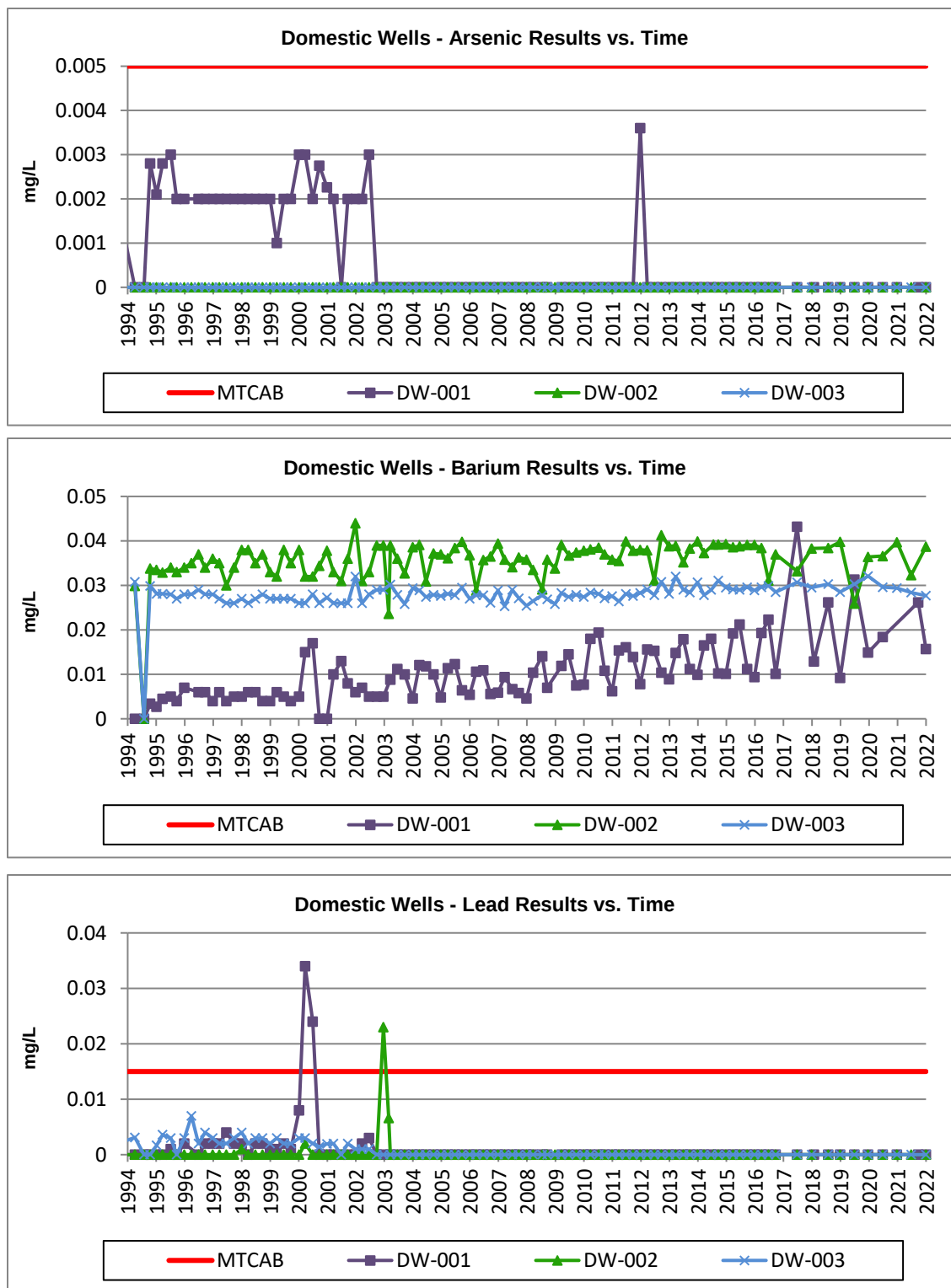
### Domestic Wells: VOCs/SVOCs Time Series Graphs

Figure 2-56: Domestic Wells VOCs / SVOCs Concentration Graphs

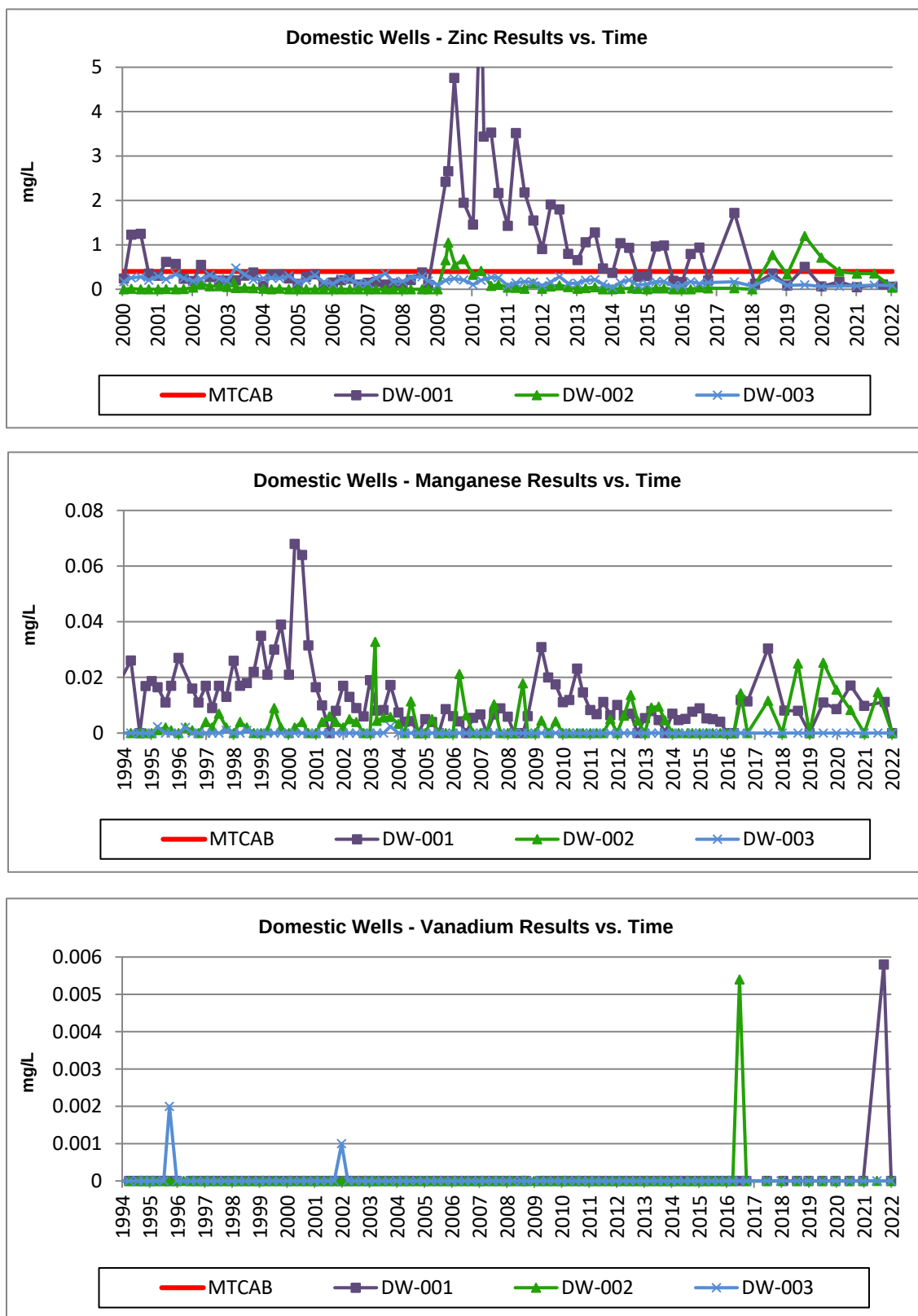


## Domestic Wells: Inorganics Time Series Graphs

Figure 2-57: Domestic Wells Inorganics Concentration Graphs (cont.)

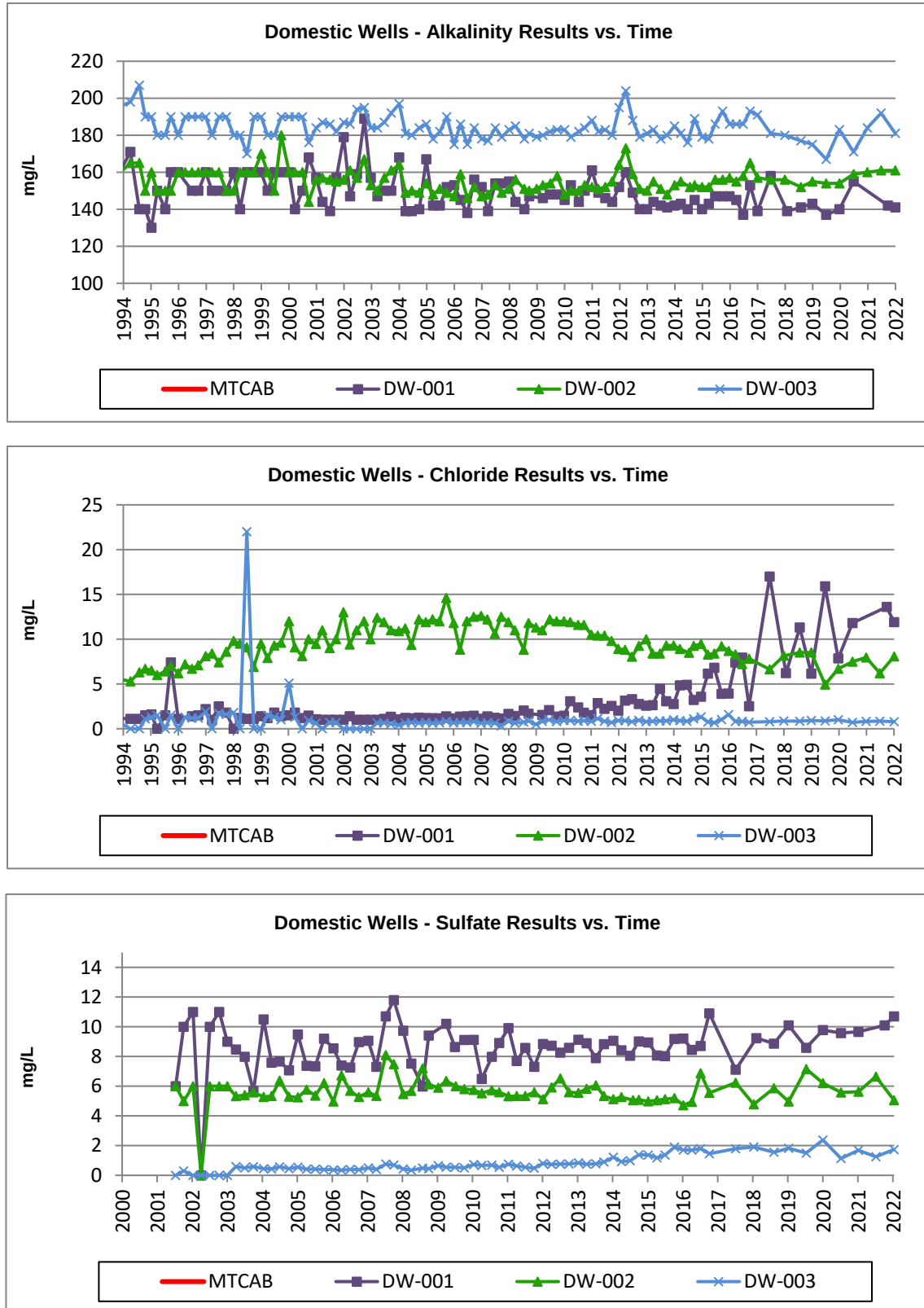


**Figure 2-58: Domestic Wells Inorganics Concentration Graphs (cont.)**

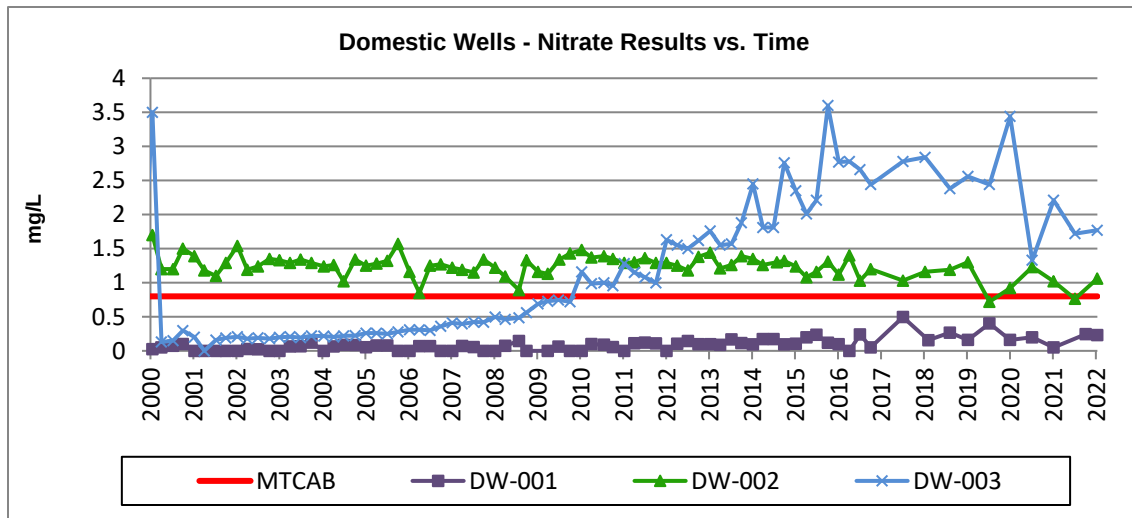


## Domestic Wells: Conventional Time Series Graphs

Figure 2-59: Domestic Wells Conventional Concentration Graphs



**Figure 2-60: Domestic Wells Conventional Concentration Graphs (cont.)**



**Domestic Analyte Concentrations: Summary of 4-year and 1-year differences:**

| StationID | DrainageArea | Analyte | - 4 Year Results | - 1 Year Results | Current Year Results | 4-Year Difference | 1-Year Difference | Units      |
|-----------|--------------|---------|------------------|------------------|----------------------|-------------------|-------------------|------------|
| DW-001    | Domestic     | 1,2-DCP | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-001    | Domestic     | Acetone | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-001    | Domestic     | ALK     | 139              | 109              | 141                  | 2                 | 32                | mg/L as Ca |
| DW-001    | Domestic     | As      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| DW-001    | Domestic     | Ba      | 0.0129           | 0.004            | 0.0157               | 0.0028            | 0.0117            | mg/L       |
| DW-001    | Domestic     | Benzene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-001    | Domestic     | Cl      | 6.21             | 1.71             | 11.9                 | 5.69              | 10.19             | mg/L       |
| DW-001    | Domestic     | DCA     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-001    | Domestic     | MC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-001    | Domestic     | Mn      | 0.0081           | 0.0098           | 0                    | -0.0081           | -0.0098           | mg/L       |
| DW-001    | Domestic     | N-NH3   | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| DW-001    | Domestic     | N-NO3   | 0.157            | 0.05             | 0.231                | 0.074             | 0.181             | mg/L       |
| DW-001    | Domestic     | Pb      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| DW-001    | Domestic     | PCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-001    | Domestic     | SO4     | 9.24             | 9.66             | 10.7                 | 1.46              | 1.04              | mg/L       |
| DW-001    | Domestic     | TCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-001    | Domestic     | TOC     | 0                | 0                | 1.11                 | 1.11              | 1.11              | mg/L       |
| DW-001    | Domestic     | Toluene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-001    | Domestic     | VC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-001    | Domestic     | Zn      | 0.126            | 0.0465           | 0.0598               | -0.0662           | 0.0133            | mg/L       |
| DW-002    | Domestic     | 1,2-DCP | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-002    | Domestic     | Acetone | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-002    | Domestic     | ALK     | 156              | 160              | 161                  | 5                 | 1                 | mg/L as Ca |
| DW-002    | Domestic     | As      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| DW-002    | Domestic     | Ba      | 0.0383           | 0.0397           | 0.0387               | 0.0004            | -0.001            | mg/L       |
| DW-002    | Domestic     | Benzene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-002    | Domestic     | Cl      | 8.16             | 7.96             | 8.08                 | -0.08             | 0.12              | mg/L       |
| DW-002    | Domestic     | DCA     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-002    | Domestic     | MC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-002    | Domestic     | Mn      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| DW-002    | Domestic     | N-NH3   | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| DW-002    | Domestic     | N-NO3   | 1.16             | 1.02             | 1.06                 | -0.1              | 0.04              | mg/L       |

| StationID | DrainageArea | Analyte | - 4 Year Results | - 1 Year Results | Current Year Results | 4-Year Difference | 1-Year Difference | Units      |
|-----------|--------------|---------|------------------|------------------|----------------------|-------------------|-------------------|------------|
| DW-002    | Domestic     | Pb      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| DW-002    | Domestic     | PCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-002    | Domestic     | SO4     | 4.78             | 5.63             | 5.06                 | 0.28              | -0.57             | mg/L       |
| DW-002    | Domestic     | TCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-002    | Domestic     | TOC     | 1.18             | 0                | 0                    | -1.18             | 0                 | mg/L       |
| DW-002    | Domestic     | Toluene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-002    | Domestic     | VC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-002    | Domestic     | Zn      | 0                | 0.353            | 0.0363               | 0.0363            | -0.3167           | mg/L       |
| DW-003    | Domestic     | 1,2-DCP | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-003    | Domestic     | Acetone | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-003    | Domestic     | ALK     | 180              | 184              | 181                  | 1                 | -3                | mg/L as Ca |
| DW-003    | Domestic     | As      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| DW-003    | Domestic     | Ba      | 0.0295           | 0.0294           | 0.0277               | -0.0018           | -0.0017           | mg/L       |
| DW-003    | Domestic     | Benzene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-003    | Domestic     | Cl      | 0.87             | 0.83             | 0.79                 | -0.08             | -0.04             | mg/L       |
| DW-003    | Domestic     | DCA     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-003    | Domestic     | MC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-003    | Domestic     | Mn      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| DW-003    | Domestic     | N-NH3   | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| DW-003    | Domestic     | N-NO3   | 2.84             | 2.21             | 1.77                 | -1.07             | -0.44             | mg/L       |
| DW-003    | Domestic     | Pb      | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| DW-003    | Domestic     | PCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-003    | Domestic     | SO4     | 1.91             | 1.69             | 1.74                 | -0.17             | 0.05              | mg/L       |
| DW-003    | Domestic     | TCE     | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-003    | Domestic     | TOC     | 0                | 0                | 0                    | 0                 | 0                 | mg/L       |
| DW-003    | Domestic     | Toluene | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-003    | Domestic     | VC      | 0                | 0                | 0                    | 0                 | 0                 | ug/L       |
| DW-003    | Domestic     | Zn      | 0.069            | 0.0756           | 0.0811               | 0.0121            | 0.0055            | mg/L       |

- 4-year results are from 2018, - 1-year results are from 2021, and current-year results are from 2022 (4-year/2018 results were used due to lack of comparable sampling results from 2017).

Analytes that exceeded clean-up criteria this reporting period are displayed in **ORANGE**.

Increases in analyte concentrations are highlighted in **RED**.

Decreases in analyte concentrations are highlighted in **BLUE**

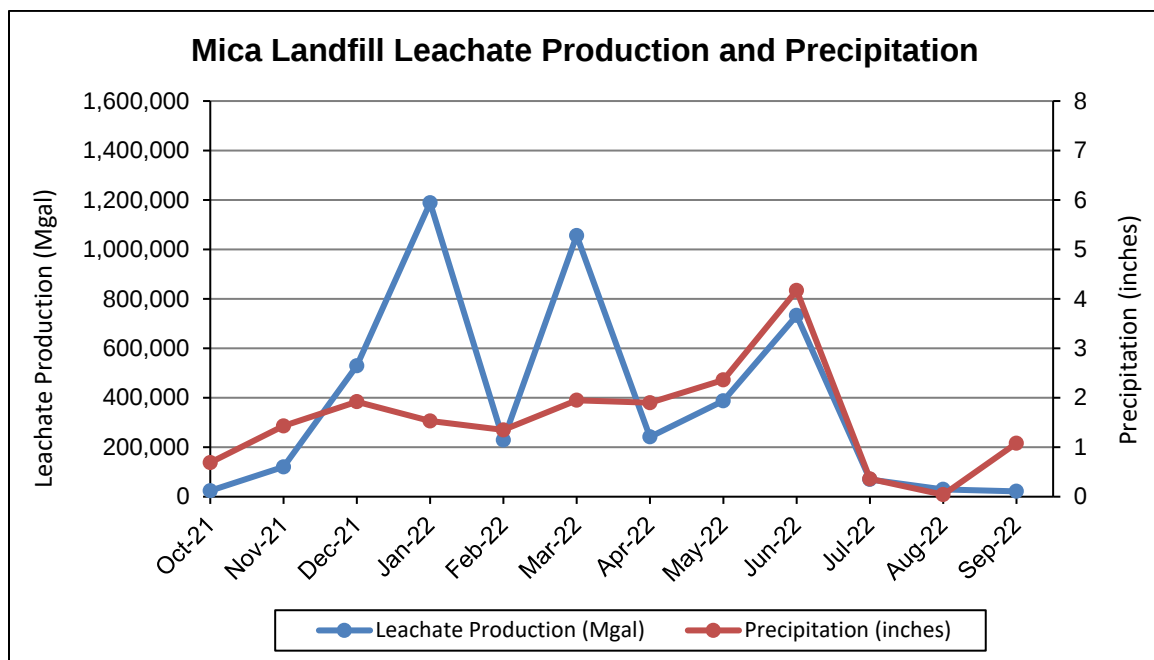
### **3 LEACHATE**

### 3.1 LEACHATE DATA

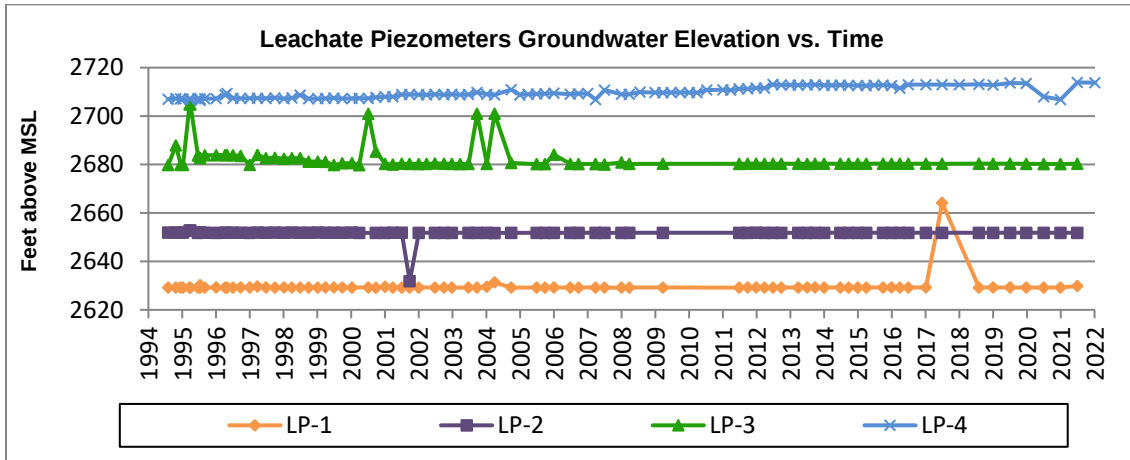
On November 1st, 2021, Spokane County Environmental Services discontinued the Mica Landfill's Wastewater Discharge Permit number SIU-4953-0-A, along with the leachate sampling and monthly Discharge Monitoring Reports (DMRs).

#### LEACHATE PRODUCTION

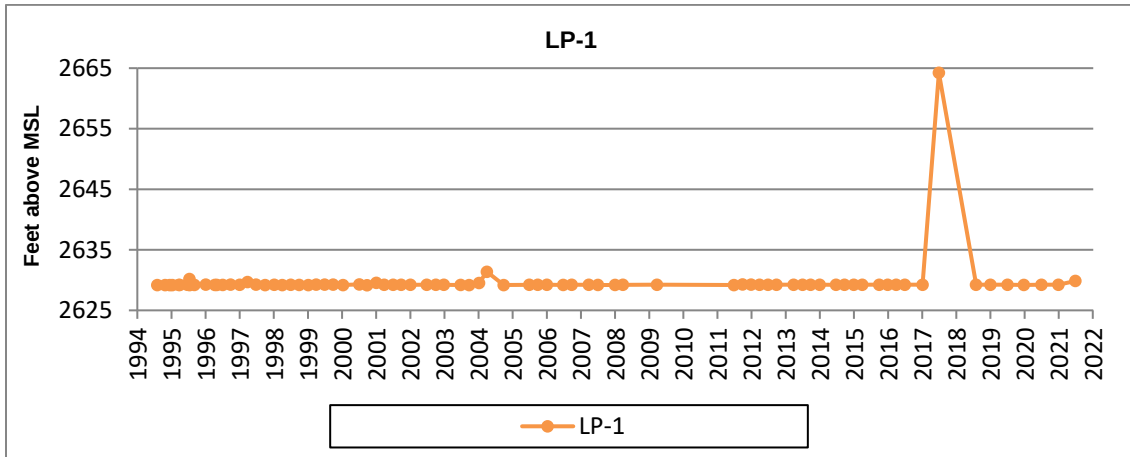
Monthly and quarterly leachate production rates are presented in Table 3-1 along with local precipitation amounts. Total annual production rates and precipitation totals versus time are shown in Figure 3-6. The total amount of leachate generated at the Mica Landfill from October 2021 through September 2022 was approximately 4,630,442 gallons. Leachate probes LP-1, LP-2, LP-3, and LP-5 were dry, and static water levels could not be obtained.



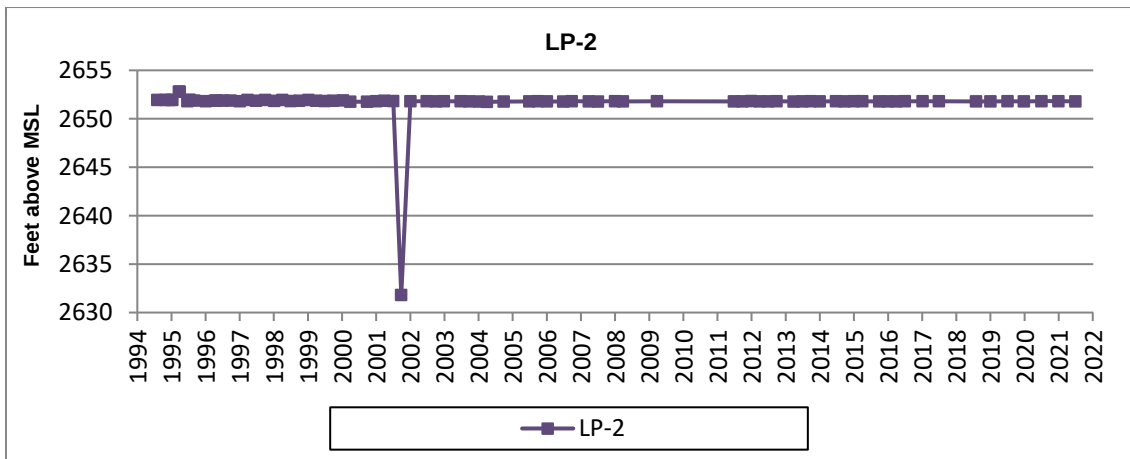
## Leachate Hydrographs



**Figure 3-1: Leachate Piezometers Groundwater Elevations vs. Time**



**Figure 3-2: LP-1 Groundwater Elevations vs. Time**



**Figure 3-3: LP-2 Groundwater Elevations vs. Time**

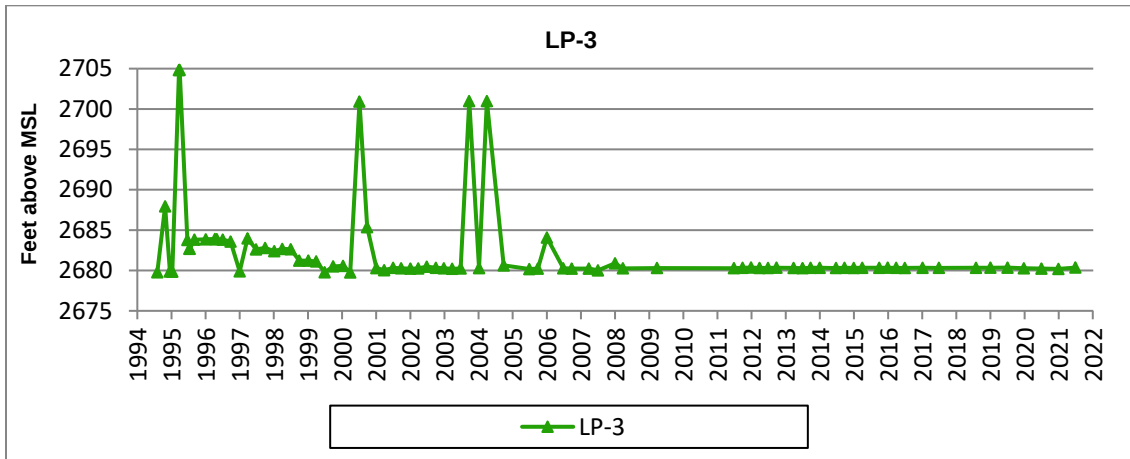


Figure 3-4: LP-3 Groundwater Elevations vs. Time

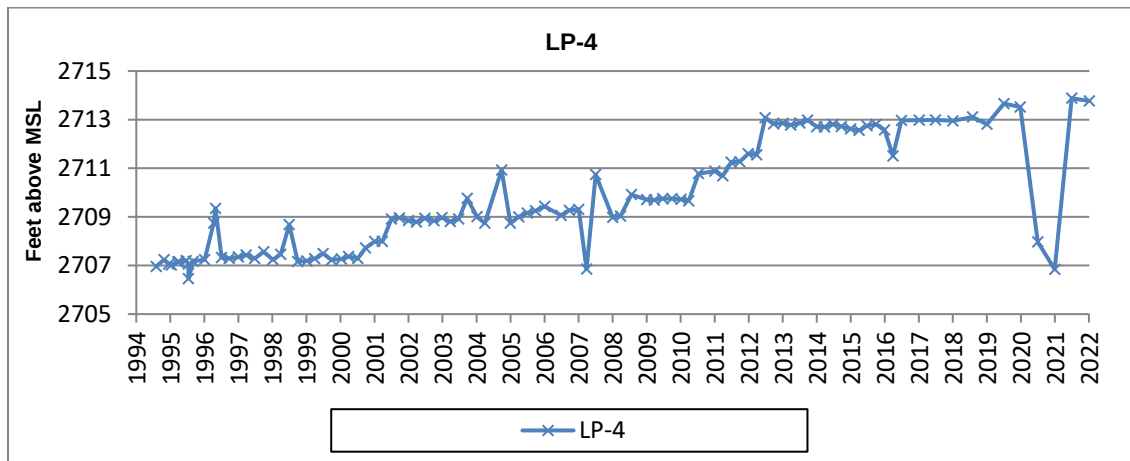


Figure 3-5: LP-4 Groundwater Elevations vs. Time

### **Leachate Production Summary**

*Table 3-1: Leachate Production Summary for the Reporting Period*

| <b>Month</b>          | <b>Leachate Volume (gal)</b> | <b>Precipitation (inches)</b> |
|-----------------------|------------------------------|-------------------------------|
| Oct-21                | 24,137                       | 0.69                          |
| Nov-21                | 120,358                      | 1.43                          |
| Dec-21                | 529,304                      | 1.92                          |
| Jan-22                | 1,188,599                    | 1.53                          |
| Feb-22                | 229,056                      | 1.35                          |
| Mar-22                | 1,055,987                    | 1.95                          |
| Apr-22                | 241,710                      | 1.9                           |
| May-22                | 387,563                      | 2.36                          |
| Jun-22                | 732,972                      | 4.17                          |
| Jul-22                | 69,683                       | 0.36                          |
| Aug-22                | 29,505                       | 0.04                          |
| Sep-22                | 21,568                       | 1.08                          |
| <b>Total - Annual</b> | <b>4,630,442</b>             | <b>18.78</b>                  |

### Annual Leachate Production Rates and Precipitation Data vs. Time

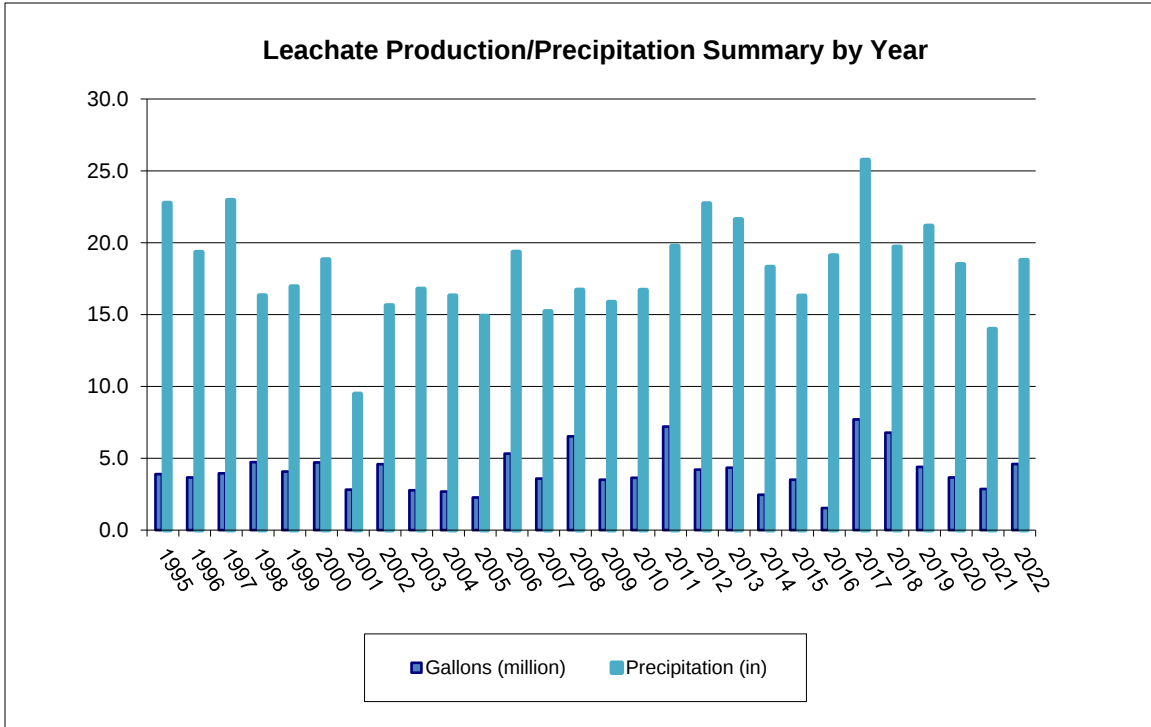


Figure 3-6: Leachate Production/Precip Summary by Year

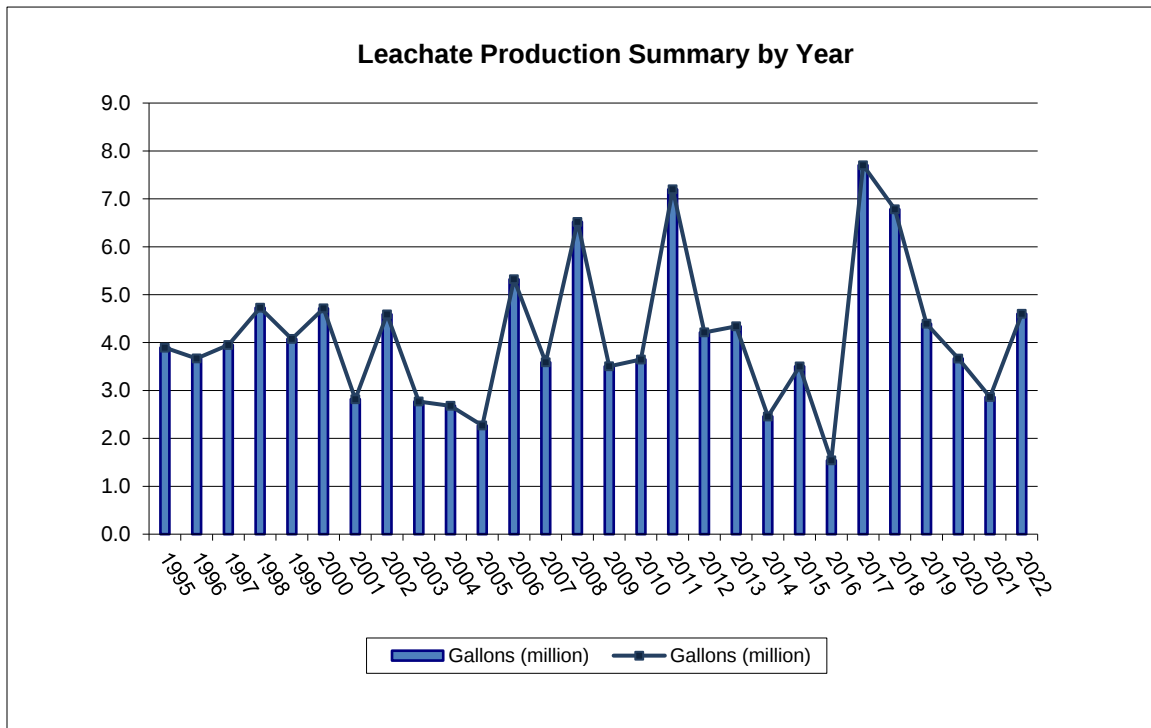


Figure 3-7: Leachate Production Summary by Year

## **4 LANDFILL GAS**

## Mica Landfill Flare and Gas Probe Locations

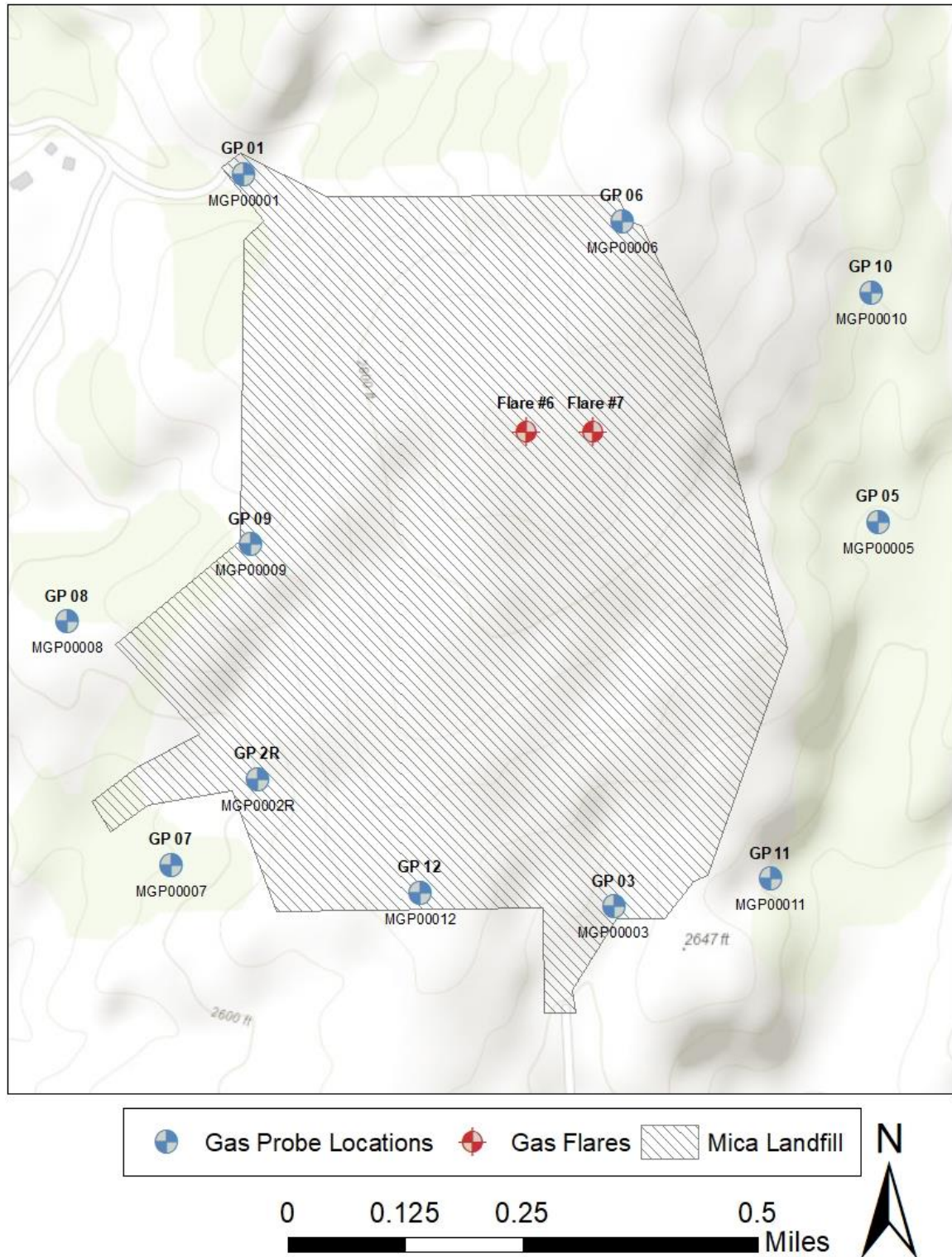


Figure 4-1: Flare and perimeter gas probe locations

## FLARE STATIONS

A summary of monitoring results from the operational flare stations is presented in Table 4-1. The Mica Landfill produced an estimated 20.92 million cubic feet of landfill gas in 2022. The average methane concentration was approximately 33.9%.

## GAS PROBES

Monthly gas probe monitoring results are presented in APPENDIX D - LANDFILL GAS PROBE MEASUREMENTS. There were no methane detections near or above the regulatory criteria of 5% during this annual reporting period.

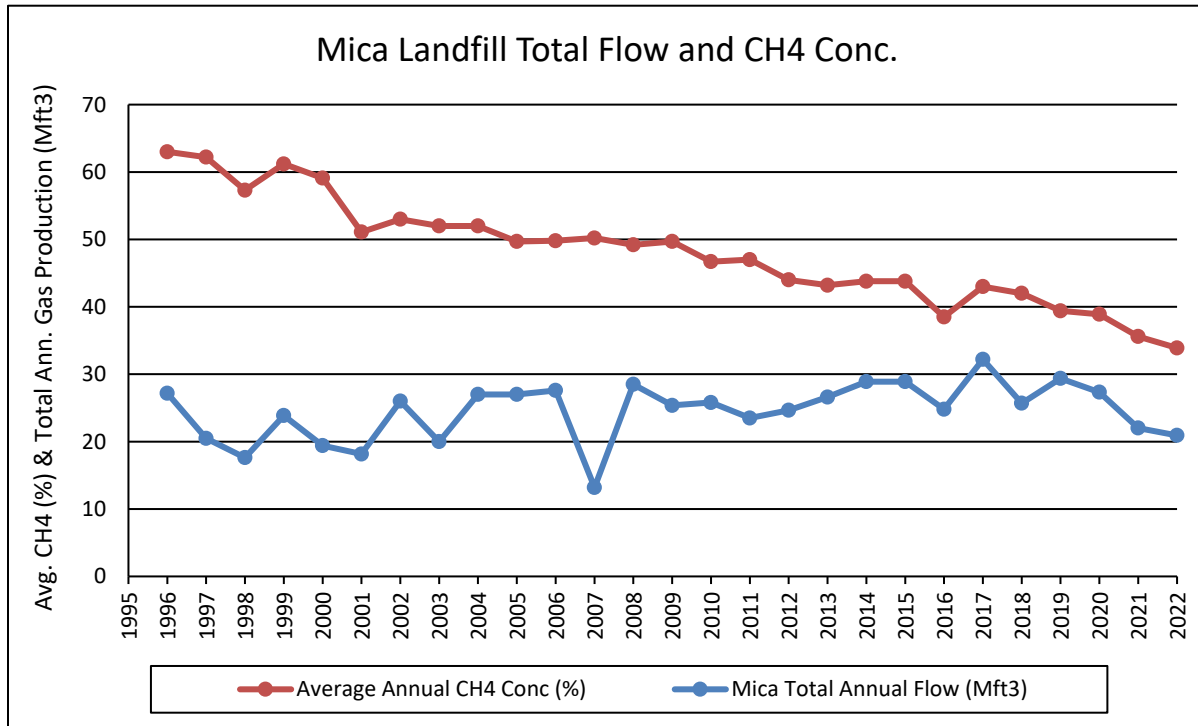


Figure 4-2: Total Annual Gas Production (Mft3) and Avg. Annual CH<sub>4</sub> Conc. (%)

## MICA FLARE STATION SUMMARY

Table 4-1: Annual Summary of Mica Landfill Flare Stations

| Mica Landfill Emission Point Summary for 2022 |         |                  |         |                  |
|-----------------------------------------------|---------|------------------|---------|------------------|
|                                               | Flare 6 |                  | Flare 7 |                  |
| DATE                                          | flow    | %CH <sub>4</sub> | flow    | %CH <sub>4</sub> |
| Jan-22                                        | 130     | 30.9             | 110     | 36.5             |
| Feb-22                                        | 320     | 33               | 310     | 29.8             |
| Mar-22                                        | 625     | 39.7             | 595     | 35.4             |
| Apr-22                                        | 350     | 39.5             | 350     | 38               |
| May-22                                        | 250     | 42.2             | 245     | 33.6             |
| Jun-22                                        | 190     | 31.5             | 150     | 30.4             |
| Jul-22                                        | 325     | 26.9             | 275     | 22.7             |
| Aug-22                                        | 400     | 28.3             | 300     | 27               |
| Sep-22                                        | 530     | 26.5             | 535     | 37.5             |
| Oct-22                                        | 640     | 36.5             | 584     | 31               |
| Nov-22                                        | 212     | 40.6             | 186     | 35               |
| Dec-22                                        | 399     | 42.4             | 289     | 39.3             |
| Total                                         | 4371    | 418              | 3929    | 396.2            |
| Average                                       | 364.3   | 34.8             | 327.4   | 33.0             |

|          |       |                 |             |                             |            |
|----------|-------|-----------------|-------------|-----------------------------|------------|
| Flare 6: | 364.3 | * 0.66 * 0.0872 | = 20.963316 | * 525,600/10 <sup>6</sup> = | 11.02      |
| Flare 7: | 327.4 | * 0.66 * 0.0872 | = 18.843484 | * 525,600/10 <sup>6</sup> = | 9.90       |
| Total=   |       |                 |             |                             | 20.92 Mft3 |

## **5 MICA LANDFILL SETTLEMENT DATA**

## 5.1 MICA LANDFILL SETTLEMENT INFORMATION

There are currently a total of 11 settlement markers at the Mica Landfill. Settlement marker locations are presented in Figure 5-1. The Mica Landfill settlement markers were last surveyed on October 26<sup>th</sup>, 2022. Table 5-1 presents a summary of the differences measured at the settlement markers between 2021/2022 and 1999/2022. Settlement markers MSMR1 and MSMR2 are replacement settlement markers for MSM1 and MSM2, respectively. Overall, there were very small differences in elevation observed at the settlement markers between 2021 and 2022. Since 1999, settlement markers MSM3, MSM5, and MSM11 have shown greater than 2 ft. differences in elevation.

**Table 5-1: Summary of Survey Measurement Differences**

| <b>Settlement Marker ID</b> | <b>Elevation - 2022</b> | <b>Difference in Elevation from 2021</b> |           | <b>Difference in Elevation from 1999</b> |
|-----------------------------|-------------------------|------------------------------------------|-----------|------------------------------------------|
| <b>MSMR1</b>                | <b>2738.18</b>          | <b>-0.045</b>                            | <b>▼</b>  | <b>N/A</b>                               |
| <b>MSMR2</b>                | <b>2723.96</b>          | <b>-0.007</b>                            | <b>▼</b>  | <b>N/A</b>                               |
| <b>MSM3</b>                 | <b>2797.17</b>          | <b>-0.067</b>                            | <b>▼</b>  | <b>-2.81</b>                             |
| <b>MSM4</b>                 | <b>2765.60</b>          | <b>0.000</b>                             | <b>--</b> | <b>-0.89</b>                             |
| <b>MSM5</b>                 | <b>2852.48</b>          | <b>-0.027</b>                            | <b>▼</b>  | <b>-2.25</b>                             |
| <b>MSM6</b>                 | <b>2876.52</b>          | <b>-0.022</b>                            | <b>▼</b>  | <b>-1.11</b>                             |
| <b>MSM7</b>                 | <b>2826.40</b>          | <b>-0.009</b>                            | <b>▼</b>  | <b>-0.56</b>                             |
| <b>MSM8A</b>                | <b>2840.32</b>          | <b>-0.001</b>                            | <b>▼</b>  | <b>-0.73</b>                             |
| <b>MSM9</b>                 | <b>2858.42</b>          | <b>-0.001</b>                            | <b>▼</b>  | <b>-0.17</b>                             |
| <b>MSM10</b>                | <b>2752.55</b>          | <b>-0.066</b>                            | <b>▼</b>  | <b>-1.11</b>                             |
| <b>MSM11</b>                | <b>2683.15</b>          | <b>-0.056</b>                            | <b>▼</b>  | <b>-2.01</b>                             |

Mica Landfill Settlement Markers



Figure 5-1: Mica Landfill Settlement Marker Locations

## **APPENDIX A - LABORATORY RESULTS**



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X2I0253**  
Reported: 05-Oct-22 18:33

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID       | Laboratory ID | Matrix | Date Sampled    | Sampled By | Date Received | Notes |
|-----------------|---------------|--------|-----------------|------------|---------------|-------|
| GWDW-001-220913 | X2I0253-01    | Water  | 13-Sep-22 09:22 | GF/MT      | 15-Sep-2022   |       |
| GWDW-002-220913 | X2I0253-02    | Water  | 13-Sep-22 10:31 | GF/MT      | 15-Sep-2022   |       |
| GWDW-003-220913 | X2I0253-03    | Water  | 13-Sep-22 12:06 | GF/MT      | 15-Sep-2022   |       |
| GWMS-004-220913 | X2I0253-04    | Water  | 13-Sep-22 13:51 | GF/MT      | 15-Sep-2022   |       |
| GWMS-005-220913 | X2I0253-05    | Water  | 13-Sep-22 14:10 | GF/MT      | 15-Sep-2022   |       |
| GWMW-013-220913 | X2I0253-06    | Water  | 13-Sep-22 11:30 | GF/MT      | 15-Sep-2022   |       |
| GWMW-014-220913 | X2I0253-07    | Water  | 13-Sep-22 10:00 | GF/MT      | 15-Sep-2022   |       |
| GWMW-020-220913 | X2I0253-08    | Water  | 13-Sep-22 13:10 | GF/MT      | 15-Sep-2022   |       |

Solid samples are analyzed on an as-received, wet-weight basis, unless otherwise requested.

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of SVL Analytical, Inc.



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210253**  
Reported: 05-Oct-22 18:33

Client Sample ID: **GWDW-001-220913**

Sampled: 13-Sep-22 09:22

Received: 15-Sep-22

Sampled By: GF/MT

SVL Sample ID: **X210253-01 (Water)****Sample Report Page 1 of 1**

| Method                                | Analyte                          | Result     | Units                     | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes |
|---------------------------------------|----------------------------------|------------|---------------------------|----------|----------|----------|---------|---------|----------------|-------|
| <b>Metals (Total)</b>                 |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 7470A                             | Mercury                          | < 0.000200 | mg/L                      | 0.000200 | 0.000093 |          | X240111 | JRR     | 09/29/22 11:09 |       |
| <b>Metals (Total Recoverable)</b>     |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 6010D                             | <b>Barium</b>                    | 0.0157     | mg/L                      | 0.0040   | 0.0019   |          | X239205 | JRR     | 09/27/22 12:11 |       |
| EPA 6010D                             | Lead                             | < 0.0150   | mg/L                      | 0.0150   | 0.0049   |          | X239205 | JRR     | 09/27/22 12:11 |       |
| EPA 6010D                             | Manganese                        | < 0.0080   | mg/L                      | 0.0080   | 0.0034   |          | X239205 | JRR     | 09/27/22 12:11 |       |
| EPA 6010D                             | Vanadium                         | < 0.0050   | mg/L                      | 0.0050   | 0.0019   |          | X239205 | JRR     | 09/27/22 12:11 |       |
| EPA 6010D                             | <b>Zinc</b>                      | 0.0598     | mg/L                      | 0.0100   | 0.0054   |          | X239205 | JRR     | 09/27/22 12:11 |       |
| EPA 6020B                             | Arsenic                          | < 0.00300  | mg/L                      | 0.00300  | 0.00021  |          | X239218 | AS      | 10/04/22 15:31 |       |
| <b>Classical Chemistry Parameters</b> |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 350.1                             | Ammonia as N                     | < 0.030    | mg/L                      | 0.030    | 0.013    |          | X240018 | KJR     | 09/27/22 16:55 |       |
| SM 2320 B                             | <b>Total Alkalinity</b>          | 141        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 11:40 |       |
| SM 2320 B                             | <b>Bicarbonate</b>               | 141        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 11:40 |       |
| SM 2320 B                             | Carbonate                        | < 1.0      | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 11:40 |       |
| SM 5310B                              | <b>Total Organic Carbon</b>      | 1.11       | mg/L                      | 1.00     | 0.38     |          | X239027 | RS      | 09/20/22 12:00 |       |
| <b>Anions by Ion Chromatography</b>   |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 300.0                             | <b>Chloride</b>                  | 11.9       | mg/L                      | 2.00     | 0.22     | 10       | X238179 | RS      | 09/15/22 21:51 | D2    |
| EPA 300.0                             | <b>Nitrate as N</b>              | 0.231      | mg/L                      | 0.050    | 0.013    |          | X238179 | RS      | 09/15/22 21:34 | H3    |
| EPA 300.0                             | <b>Sulfate as SO<sub>4</sub></b> | 10.7       | mg/L                      | 0.30     | 0.18     |          | X238179 | RS      | 09/15/22 21:34 |       |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

**Dave Tryon**  
Project Manager



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210253**  
Reported: 05-Oct-22 18:33

Client Sample ID: **GWDW-002-220913**

Sampled: 13-Sep-22 10:31

Received: 15-Sep-22

Sampled By: GF/MT

SVL Sample ID: **X210253-02 (Water)****Sample Report Page 1 of 1**

| Method                                | Analyte                          | Result     | Units                     | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes |
|---------------------------------------|----------------------------------|------------|---------------------------|----------|----------|----------|---------|---------|----------------|-------|
| <b>Metals (Total)</b>                 |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 7470A                             | Mercury                          | < 0.000200 | mg/L                      | 0.000200 | 0.000093 |          | X240111 | JRR     | 09/29/22 11:12 |       |
| <b>Metals (Total Recoverable)</b>     |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 6010D                             | <b>Barium</b>                    | 0.0387     | mg/L                      | 0.0040   | 0.0019   |          | X239205 | JRR     | 09/27/22 12:15 |       |
| EPA 6010D                             | Lead                             | < 0.0150   | mg/L                      | 0.0150   | 0.0049   |          | X239205 | JRR     | 09/27/22 12:15 |       |
| EPA 6010D                             | Manganese                        | < 0.0080   | mg/L                      | 0.0080   | 0.0034   |          | X239205 | JRR     | 09/27/22 12:15 |       |
| EPA 6010D                             | Vanadium                         | < 0.0050   | mg/L                      | 0.0050   | 0.0019   |          | X239205 | JRR     | 09/27/22 12:15 |       |
| EPA 6010D                             | <b>Zinc</b>                      | 0.0363     | mg/L                      | 0.0100   | 0.0054   |          | X239205 | JRR     | 09/27/22 12:15 |       |
| EPA 6020B                             | Arsenic                          | < 0.00300  | mg/L                      | 0.00300  | 0.00021  |          | X239218 | AS      | 10/04/22 15:34 |       |
| <b>Classical Chemistry Parameters</b> |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 350.1                             | Ammonia as N                     | < 0.030    | mg/L                      | 0.030    | 0.013    |          | X240018 | KJR     | 09/27/22 16:58 |       |
| SM 2320 B                             | <b>Total Alkalinity</b>          | 161        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 11:48 |       |
| SM 2320 B                             | <b>Bicarbonate</b>               | 161        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 11:48 |       |
| SM 2320 B                             | Carbonate                        | < 1.0      | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 11:48 |       |
| SM 5310B                              | Total Organic Carbon             | < 1.00     | mg/L                      | 1.00     | 0.38     |          | X239027 | RS      | 09/20/22 12:00 |       |
| <b>Anions by Ion Chromatography</b>   |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 300.0                             | <b>Chloride</b>                  | 8.08       | mg/L                      | 0.20     | 0.02     |          | X238179 | RS      | 09/15/22 22:42 |       |
| EPA 300.0                             | <b>Nitrate as N</b>              | 1.06       | mg/L                      | 0.050    | 0.013    |          | X238179 | RS      | 09/15/22 22:42 | H3    |
| EPA 300.0                             | <b>Sulfate as SO<sub>4</sub></b> | 5.06       | mg/L                      | 0.30     | 0.18     |          | X238179 | RS      | 09/15/22 22:42 |       |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

**Dave Tryon**  
Project Manager



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210253**  
Reported: 05-Oct-22 18:33

Client Sample ID: **GWDW-003-220913**

Sampled: 13-Sep-22 12:06

Received: 15-Sep-22

Sampled By: GF/MT

SVL Sample ID: **X210253-03 (Water)****Sample Report Page 1 of 1**

| Method                                | Analyte                          | Result     | Units                     | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes |
|---------------------------------------|----------------------------------|------------|---------------------------|----------|----------|----------|---------|---------|----------------|-------|
| <b>Metals (Total)</b>                 |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 7470A                             | Mercury                          | < 0.000200 | mg/L                      | 0.000200 | 0.000093 |          | X240111 | JRR     | 09/29/22 11:14 |       |
| <b>Metals (Total Recoverable)</b>     |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 6010D                             | <b>Barium</b>                    | 0.0277     | mg/L                      | 0.0040   | 0.0019   |          | X239205 | JRR     | 09/27/22 12:18 |       |
| EPA 6010D                             | Lead                             | < 0.0150   | mg/L                      | 0.0150   | 0.0049   |          | X239205 | JRR     | 09/27/22 12:18 |       |
| EPA 6010D                             | Manganese                        | < 0.0080   | mg/L                      | 0.0080   | 0.0034   |          | X239205 | JRR     | 09/27/22 12:18 |       |
| EPA 6010D                             | Vanadium                         | < 0.0050   | mg/L                      | 0.0050   | 0.0019   |          | X239205 | JRR     | 09/27/22 12:18 |       |
| EPA 6010D                             | <b>Zinc</b>                      | 0.0811     | mg/L                      | 0.0100   | 0.0054   |          | X239205 | JRR     | 09/27/22 12:18 |       |
| EPA 6020B                             | Arsenic                          | < 0.00300  | mg/L                      | 0.00300  | 0.00021  |          | X239218 | AS      | 10/04/22 15:37 |       |
| <b>Classical Chemistry Parameters</b> |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 350.1                             | Ammonia as N                     | < 0.030    | mg/L                      | 0.030    | 0.013    |          | X240018 | KJR     | 09/27/22 17:01 |       |
| SM 2320 B                             | <b>Total Alkalinity</b>          | 181        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 11:55 |       |
| SM 2320 B                             | <b>Bicarbonate</b>               | 181        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 11:55 |       |
| SM 2320 B                             | Carbonate                        | < 1.0      | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 11:55 |       |
| SM 5310B                              | Total Organic Carbon             | < 1.00     | mg/L                      | 1.00     | 0.38     |          | X239027 | RS      | 09/20/22 12:00 |       |
| <b>Anions by Ion Chromatography</b>   |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 300.0                             | <b>Chloride</b>                  | 0.79       | mg/L                      | 0.20     | 0.02     |          | X238179 | RS      | 09/15/22 22:59 |       |
| EPA 300.0                             | <b>Nitrate as N</b>              | 1.77       | mg/L                      | 0.050    | 0.013    |          | X238179 | RS      | 09/15/22 22:59 | H3    |
| EPA 300.0                             | <b>Sulfate as SO<sub>4</sub></b> | 1.74       | mg/L                      | 0.30     | 0.18     |          | X238179 | RS      | 09/15/22 22:59 |       |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

**Dave Tryon**  
Project Manager



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210253**  
Reported: 05-Oct-22 18:33

Client Sample ID: **GWMS-004-220913**

Sampled: 13-Sep-22 13:51

Received: 15-Sep-22

Sampled By: GF/MT

SVL Sample ID: **X210253-04 (Water)**

## Sample Report Page 1 of 1

| Method                                | Analyte                          | Result     | Units                     | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes |
|---------------------------------------|----------------------------------|------------|---------------------------|----------|----------|----------|---------|---------|----------------|-------|
| <b>Metals (Total)</b>                 |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 7470A                             | Mercury                          | < 0.000200 | mg/L                      | 0.000200 | 0.000093 |          | X240111 | JRR     | 09/29/22 11:16 |       |
| <b>Metals (Total Recoverable)</b>     |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 6010D                             | <b>Barium</b>                    | 0.0881     | mg/L                      | 0.0040   | 0.0019   |          | X239205 | JRR     | 09/27/22 12:22 |       |
| EPA 6010D                             | Lead                             | < 0.0150   | mg/L                      | 0.0150   | 0.0049   |          | X239205 | JRR     | 09/27/22 12:22 |       |
| EPA 6010D                             | <b>Manganese</b>                 | 0.0160     | mg/L                      | 0.0080   | 0.0034   |          | X239205 | JRR     | 09/27/22 12:22 |       |
| EPA 6010D                             | Vanadium                         | < 0.0050   | mg/L                      | 0.0050   | 0.0019   |          | X239205 | JRR     | 09/27/22 12:22 |       |
| EPA 6010D                             | Zinc                             | < 0.0100   | mg/L                      | 0.0100   | 0.0054   |          | X239205 | JRR     | 09/27/22 12:22 |       |
| EPA 6020B                             | Arsenic                          | < 0.00300  | mg/L                      | 0.00300  | 0.00021  |          | X239218 | AS      | 10/04/22 15:40 |       |
| <b>Classical Chemistry Parameters</b> |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 350.1                             | Ammonia as N                     | < 0.030    | mg/L                      | 0.030    | 0.013    |          | X240018 | KJR     | 09/27/22 17:03 |       |
| SM 2320 B                             | <b>Total Alkalinity</b>          | 180        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:04 |       |
| SM 2320 B                             | <b>Bicarbonate</b>               | 180        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:04 |       |
| SM 2320 B                             | Carbonate                        | < 1.0      | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:04 |       |
| SM 2540 C                             | <b>Total Diss. Solids</b>        | 231        | mg/L                      | 10       |          |          | X238252 | TJL     | 09/16/22 16:00 |       |
| SM 5310B                              | <b>Total Organic Carbon</b>      | 1.67       | mg/L                      | 1.00     | 0.38     |          | X239027 | RS      | 09/20/22 12:00 |       |
| <b>Anions by Ion Chromatography</b>   |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 300.0                             | <b>Chloride</b>                  | 0.67       | mg/L                      | 0.20     | 0.02     |          | X238179 | RS      | 09/15/22 23:15 |       |
| EPA 300.0                             | <b>Nitrate as N</b>              | 10.4       | mg/L                      | 0.500    | 0.130    | 10       | X238179 | RS      | 09/15/22 23:32 | D2,H3 |
| EPA 300.0                             | <b>Sulfate as SO<sub>4</sub></b> | 10.7       | mg/L                      | 0.30     | 0.18     |          | X238179 | RS      | 09/15/22 23:15 |       |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

**Dave Tryon**  
Project Manager



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210253**  
Reported: 05-Oct-22 18:33

Client Sample ID: **GWMS-005-220913**

Sampled: 13-Sep-22 14:10

Received: 15-Sep-22

Sampled By: GF/MT

SVL Sample ID: **X210253-05 (Water)**

## Sample Report Page 1 of 1

| Method                                | Analyte                    | Result     | Units                     | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes |
|---------------------------------------|----------------------------|------------|---------------------------|----------|----------|----------|---------|---------|----------------|-------|
| <b>Metals (Total)</b>                 |                            |            |                           |          |          |          |         |         |                |       |
| EPA 7470A                             | Mercury                    | < 0.000200 | mg/L                      | 0.000200 | 0.000093 |          | X240111 | JRR     | 09/29/22 11:18 |       |
| <b>Metals (Total Recoverable)</b>     |                            |            |                           |          |          |          |         |         |                |       |
| EPA 6010D                             | Barium                     | 0.0443     | mg/L                      | 0.0040   | 0.0019   |          | X239205 | JRR     | 09/27/22 12:25 |       |
| EPA 6010D                             | Lead                       | < 0.0150   | mg/L                      | 0.0150   | 0.0049   |          | X239205 | JRR     | 09/27/22 12:25 |       |
| EPA 6010D                             | Manganese                  | < 0.0080   | mg/L                      | 0.0080   | 0.0034   |          | X239205 | JRR     | 09/27/22 12:25 |       |
| EPA 6010D                             | Vanadium                   | < 0.0050   | mg/L                      | 0.0050   | 0.0019   |          | X239205 | JRR     | 09/27/22 12:25 |       |
| EPA 6010D                             | Zinc                       | < 0.0100   | mg/L                      | 0.0100   | 0.0054   |          | X239205 | JRR     | 09/27/22 12:25 |       |
| EPA 6020B                             | Arsenic                    | < 0.00300  | mg/L                      | 0.00300  | 0.00021  |          | X239218 | AS      | 10/04/22 15:43 |       |
| <b>Classical Chemistry Parameters</b> |                            |            |                           |          |          |          |         |         |                |       |
| EPA 350.1                             | Ammonia as N               | < 0.030    | mg/L                      | 0.030    | 0.013    |          | X240018 | KJR     | 09/27/22 17:06 |       |
| SM 2320 B                             | Total Alkalinity           | 104        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:11 |       |
| SM 2320 B                             | Bicarbonate                | 104        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:11 |       |
| SM 2320 B                             | Carbonate                  | < 1.0      | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:11 |       |
| SM 2540 C                             | Total Diss. Solids         | 103        | mg/L                      | 10       |          |          | X238252 | TJL     | 09/16/22 16:00 |       |
| SM 5310B                              | Total Organic Carbon       | 1.32       | mg/L                      | 1.00     | 0.38     |          | X239027 | RS      | 09/20/22 12:00 |       |
| <b>Anions by Ion Chromatography</b>   |                            |            |                           |          |          |          |         |         |                |       |
| EPA 300.0                             | Chloride                   | 21.3       | mg/L                      | 2.00     | 0.22     | 10       | X238179 | RS      | 09/16/22 00:06 | D2    |
| EPA 300.0                             | Nitrate as N               | 1.39       | mg/L                      | 0.050    | 0.013    |          | X238179 | RS      | 09/15/22 23:49 | H3    |
| EPA 300.0                             | Sulfate as SO <sub>4</sub> | 16.3       | mg/L                      | 0.30     | 0.18     |          | X238179 | RS      | 09/15/22 23:49 |       |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

**Dave Tryon**  
Project Manager



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210253**  
Reported: 05-Oct-22 18:33

Client Sample ID: **GWMW-013-220913**

Sampled: 13-Sep-22 11:30

SVL Sample ID: **X210253-06 (Water)**

Received: 15-Sep-22

## Sample Report Page 1 of 1

Sampled By: GF/MT

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 7470A | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X240111 | JRR | 09/29/22 11:20 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Metals (Total Recoverable)**

|           |           |           |      |         |         |  |         |     |                |  |
|-----------|-----------|-----------|------|---------|---------|--|---------|-----|----------------|--|
| EPA 6010D | Barium    | 0.0464    | mg/L | 0.0040  | 0.0019  |  | X239205 | JRR | 09/27/22 12:29 |  |
| EPA 6010D | Lead      | < 0.0150  | mg/L | 0.0150  | 0.0049  |  | X239205 | JRR | 09/27/22 12:29 |  |
| EPA 6010D | Manganese | < 0.0080  | mg/L | 0.0080  | 0.0034  |  | X239205 | JRR | 09/27/22 12:29 |  |
| EPA 6010D | Vanadium  | < 0.0050  | mg/L | 0.0050  | 0.0019  |  | X239205 | JRR | 09/27/22 12:29 |  |
| EPA 6010D | Zinc      | < 0.0100  | mg/L | 0.0100  | 0.0054  |  | X239205 | JRR | 09/27/22 12:29 |  |
| EPA 6020B | Arsenic   | < 0.00300 | mg/L | 0.00300 | 0.00021 |  | X239218 | AS  | 10/04/22 15:46 |  |

**Classical Chemistry Parameters**

|           |                      |         |                           |       |       |  |         |     |                |  |
|-----------|----------------------|---------|---------------------------|-------|-------|--|---------|-----|----------------|--|
| EPA 350.1 | Ammonia as N         | < 0.030 | mg/L                      | 0.030 | 0.013 |  | X240018 | KJR | 09/27/22 17:09 |  |
| SM 2320 B | Total Alkalinity     | 193     | mg/L as CaCO <sub>3</sub> | 1.0   |       |  | X240033 | MWD | 09/27/22 12:19 |  |
| SM 2320 B | Bicarbonate          | 193     | mg/L as CaCO <sub>3</sub> | 1.0   |       |  | X240033 | MWD | 09/27/22 12:19 |  |
| SM 2320 B | Carbonate            | < 1.0   | mg/L as CaCO <sub>3</sub> | 1.0   |       |  | X240033 | MWD | 09/27/22 12:19 |  |
| SM 2540 C | Total Diss. Solids   | 133     | mg/L                      | 10    |       |  | X238252 | TJL | 09/16/22 16:00 |  |
| SM 5310B  | Total Organic Carbon | 1.15    | mg/L                      | 1.00  | 0.38  |  | X239027 | RS  | 09/20/22 12:00 |  |

**Anions by Ion Chromatography**

|           |                            |       |      |       |       |  |         |    |                |    |
|-----------|----------------------------|-------|------|-------|-------|--|---------|----|----------------|----|
| EPA 300.0 | Chloride                   | 8.46  | mg/L | 0.20  | 0.02  |  | X238179 | RS | 09/16/22 00:23 |    |
| EPA 300.0 | Nitrate as N               | 0.538 | mg/L | 0.050 | 0.013 |  | X238179 | RS | 09/16/22 00:23 | H3 |
| EPA 300.0 | Sulfate as SO <sub>4</sub> | 3.60  | mg/L | 0.30  | 0.18  |  | X238179 | RS | 09/16/22 00:23 |    |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

**Dave Tryon**  
Project Manager



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210253**  
Reported: 05-Oct-22 18:33

Client Sample ID: **GWMW-014-220913**

Sampled: 13-Sep-22 10:00

Received: 15-Sep-22

Sampled By: GF/MT

SVL Sample ID: **X210253-07 (Water)**

## Sample Report Page 1 of 1

| Method                                | Analyte                          | Result     | Units                     | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes |
|---------------------------------------|----------------------------------|------------|---------------------------|----------|----------|----------|---------|---------|----------------|-------|
| <b>Metals (Total)</b>                 |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 7470A                             | Mercury                          | < 0.000200 | mg/L                      | 0.000200 | 0.000093 |          | X240111 | JRR     | 09/29/22 11:22 |       |
| <b>Metals (Total Recoverable)</b>     |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 6010D                             | Barium                           | < 0.0040   | mg/L                      | 0.0040   | 0.0019   |          | X239205 | JRR     | 09/27/22 12:32 |       |
| EPA 6010D                             | Lead                             | < 0.0150   | mg/L                      | 0.0150   | 0.0049   |          | X239205 | JRR     | 09/27/22 12:32 |       |
| EPA 6010D                             | <b>Manganese</b>                 | 0.0970     | mg/L                      | 0.0080   | 0.0034   |          | X239205 | JRR     | 09/27/22 12:32 |       |
| EPA 6010D                             | Vanadium                         | < 0.0050   | mg/L                      | 0.0050   | 0.0019   |          | X239205 | JRR     | 09/27/22 12:32 |       |
| EPA 6010D                             | Zinc                             | < 0.0100   | mg/L                      | 0.0100   | 0.0054   |          | X239205 | JRR     | 09/27/22 12:32 |       |
| EPA 6020B                             | Arsenic                          | < 0.00300  | mg/L                      | 0.00300  | 0.00021  |          | X239218 | AS      | 10/04/22 15:49 |       |
| <b>Classical Chemistry Parameters</b> |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 350.1                             | Ammonia as N                     | < 0.030    | mg/L                      | 0.030    | 0.013    |          | X240018 | KJR     | 09/27/22 17:11 |       |
| SM 2320 B                             | <b>Total Alkalinity</b>          | 81.3       | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:36 |       |
| SM 2320 B                             | <b>Bicarbonate</b>               | 81.3       | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:36 |       |
| SM 2320 B                             | Carbonate                        | < 1.0      | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:36 |       |
| SM 2540 C                             | <b>Total Diss. Solids</b>        | 72         | mg/L                      | 10       |          |          | X238252 | TJL     | 09/16/22 16:00 | R2B   |
| SM 5310B                              | Total Organic Carbon             | < 1.00     | mg/L                      | 1.00     | 0.38     |          | X239027 | RS      | 09/20/22 12:00 |       |
| <b>Anions by Ion Chromatography</b>   |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 300.0                             | <b>Chloride</b>                  | 0.76       | mg/L                      | 0.20     | 0.02     |          | X238179 | RS      | 09/16/22 00:40 |       |
| EPA 300.0                             | Nitrate as N                     | < 0.050    | mg/L                      | 0.050    | 0.013    |          | X238179 | RS      | 09/16/22 00:40 | H3    |
| EPA 300.0                             | <b>Sulfate as SO<sub>4</sub></b> | 9.34       | mg/L                      | 0.30     | 0.18     |          | X238179 | RS      | 09/16/22 00:40 |       |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

**Dave Tryon**  
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

[www.svl.net](http://www.svl.net)

Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210253**  
Reported: 05-Oct-22 18:33

Client Sample ID: **GWMW-020-220913**

Sampled: 13-Sep-22 13:10

Received: 15-Sep-22

Sampled By: GF/MT

SVL Sample ID: **X210253-08 (Water)****Sample Report Page 1 of 1**

| Method                                | Analyte                          | Result     | Units                     | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes |
|---------------------------------------|----------------------------------|------------|---------------------------|----------|----------|----------|---------|---------|----------------|-------|
| <b>Metals (Total)</b>                 |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 7470A                             | Mercury                          | < 0.000200 | mg/L                      | 0.000200 | 0.000093 |          | X240111 | JRR     | 09/29/22 11:33 |       |
| <b>Metals (Total Recoverable)</b>     |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 6010D                             | <b>Barium</b>                    | 0.272      | mg/L                      | 0.0040   | 0.0019   |          | X239205 | JRR     | 09/27/22 12:54 |       |
| EPA 6010D                             | <b>Lead</b>                      | 0.0173     | mg/L                      | 0.0150   | 0.0049   |          | X239205 | JRR     | 09/27/22 12:54 |       |
| EPA 6010D                             | <b>Manganese</b>                 | 0.101      | mg/L                      | 0.0080   | 0.0034   |          | X239205 | JRR     | 09/27/22 12:54 |       |
| EPA 6010D                             | Vanadium                         | < 0.0050   | mg/L                      | 0.0050   | 0.0019   |          | X239205 | JRR     | 09/27/22 12:54 |       |
| EPA 6010D                             | <b>Zinc</b>                      | 0.0338     | mg/L                      | 0.0100   | 0.0054   |          | X239205 | JRR     | 09/27/22 12:54 |       |
| EPA 6020B                             | Arsenic                          | < 0.00300  | mg/L                      | 0.00300  | 0.00021  |          | X239218 | AS      | 10/04/22 16:06 |       |
| <b>Classical Chemistry Parameters</b> |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 350.1                             | Ammonia as N                     | < 0.030    | mg/L                      | 0.030    | 0.013    |          | X240018 | KJR     | 09/27/22 17:25 |       |
| SM 2320 B                             | <b>Total Alkalinity</b>          | 238        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:43 |       |
| SM 2320 B                             | <b>Bicarbonate</b>               | 238        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:43 |       |
| SM 2320 B                             | Carbonate                        | < 1.0      | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:43 |       |
| SM 2540 C                             | <b>Total Diss. Solids</b>        | 225        | mg/L                      | 10       |          |          | X238252 | TJL     | 09/16/22 16:00 |       |
| SM 5310B                              | <b>Total Organic Carbon</b>      | 1.48       | mg/L                      | 1.00     | 0.38     |          | X239027 | RS      | 09/20/22 12:00 |       |
| <b>Anions by Ion Chromatography</b>   |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 300.0                             | <b>Chloride</b>                  | 7.59       | mg/L                      | 0.20     | 0.02     |          | X238179 | RS      | 09/16/22 02:04 |       |
| EPA 300.0                             | <b>Nitrate as N</b>              | 2.08       | mg/L                      | 0.050    | 0.013    |          | X238179 | RS      | 09/16/22 02:04 | H3    |
| EPA 300.0                             | <b>Sulfate as SO<sub>4</sub></b> | 5.63       | mg/L                      | 0.30     | 0.18     |          | X238179 | RS      | 09/16/22 02:04 |       |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

**Dave Tryon**  
Project Manager



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210253**  
Reported: 05-Oct-22 18:33

**Quality Control - BLANK Data**

| Method | Analyte | Units | Result | MDL | MRL | Batch ID | Analyzed | Notes |
|--------|---------|-------|--------|-----|-----|----------|----------|-------|
|--------|---------|-------|--------|-----|-----|----------|----------|-------|

**Metals (Total)**

|           |         |      |           |          |          |         |           |  |
|-----------|---------|------|-----------|----------|----------|---------|-----------|--|
| EPA 7470A | Mercury | mg/L | <0.000200 | 0.000093 | 0.000200 | X240111 | 29-Sep-22 |  |
|-----------|---------|------|-----------|----------|----------|---------|-----------|--|

**Metals (Total Recoverable)**

|           |           |      |          |         |         |         |           |  |
|-----------|-----------|------|----------|---------|---------|---------|-----------|--|
| EPA 6010D | Barium    | mg/L | <0.0040  | 0.0019  | 0.0040  | X239205 | 27-Sep-22 |  |
| EPA 6010D | Lead      | mg/L | <0.0150  | 0.0049  | 0.0150  | X239205 | 27-Sep-22 |  |
| EPA 6010D | Manganese | mg/L | <0.0080  | 0.0034  | 0.0080  | X239205 | 27-Sep-22 |  |
| EPA 6010D | Vanadium  | mg/L | <0.0050  | 0.0019  | 0.0050  | X239205 | 27-Sep-22 |  |
| EPA 6010D | Zinc      | mg/L | <0.0100  | 0.0054  | 0.0100  | X239205 | 27-Sep-22 |  |
| EPA 6020B | Arsenic   | mg/L | <0.00300 | 0.00021 | 0.00300 | X239218 | 04-Oct-22 |  |

**Classical Chemistry Parameters**

|           |                      |                           |        |       |       |         |           |  |
|-----------|----------------------|---------------------------|--------|-------|-------|---------|-----------|--|
| EPA 350.1 | Ammonia as N         | mg/L                      | <0.030 | 0.013 | 0.030 | X240018 | 27-Sep-22 |  |
| SM 2320 B | Total Alkalinity     | mg/L as CaCO <sub>3</sub> | <1.0   |       | 1.0   | X240033 | 27-Sep-22 |  |
| SM 2320 B | Bicarbonate          | mg/L as CaCO <sub>3</sub> | <1.0   |       | 1.0   | X240033 | 27-Sep-22 |  |
| SM 2320 B | Carbonate            | mg/L as CaCO <sub>3</sub> | <1.0   |       | 1.0   | X240033 | 27-Sep-22 |  |
| SM 2540 C | Total Diss. Solids   | mg/L                      | <10    |       | 10    | X238252 | 16-Sep-22 |  |
| SM 5310B  | Total Organic Carbon | mg/L                      | <1.00  | 0.38  | 1.00  | X239027 | 20-Sep-22 |  |

**Anions by Ion Chromatography**

|           |                            |      |        |       |       |         |           |  |
|-----------|----------------------------|------|--------|-------|-------|---------|-----------|--|
| EPA 300.0 | Chloride                   | mg/L | <0.20  | 0.02  | 0.20  | X238179 | 15-Sep-22 |  |
| EPA 300.0 | Nitrate as N               | mg/L | <0.050 | 0.013 | 0.050 | X238179 | 15-Sep-22 |  |
| EPA 300.0 | Sulfate as SO <sub>4</sub> | mg/L | <0.30  | 0.18  | 0.30  | X238179 | 15-Sep-22 |  |

**Quality Control - LABORATORY CONTROL SAMPLE Data**

| Method | Analyte | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed | Notes |
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|

**Metals (Total)**

|           |         |      |         |         |      |          |         |           |  |
|-----------|---------|------|---------|---------|------|----------|---------|-----------|--|
| EPA 7470A | Mercury | mg/L | 0.00198 | 0.00200 | 98.9 | 80 - 120 | X240111 | 29-Sep-22 |  |
|-----------|---------|------|---------|---------|------|----------|---------|-----------|--|

**Metals (Total Recoverable)**

|           |           |      |        |        |      |          |         |           |  |
|-----------|-----------|------|--------|--------|------|----------|---------|-----------|--|
| EPA 6010D | Barium    | mg/L | 0.984  | 1.00   | 98.4 | 80 - 120 | X239205 | 27-Sep-22 |  |
| EPA 6010D | Lead      | mg/L | 0.983  | 1.00   | 98.3 | 80 - 120 | X239205 | 27-Sep-22 |  |
| EPA 6010D | Manganese | mg/L | 0.977  | 1.00   | 97.7 | 80 - 120 | X239205 | 27-Sep-22 |  |
| EPA 6010D | Vanadium  | mg/L | 0.994  | 1.00   | 99.4 | 80 - 120 | X239205 | 27-Sep-22 |  |
| EPA 6010D | Zinc      | mg/L | 0.977  | 1.00   | 97.7 | 80 - 120 | X239205 | 27-Sep-22 |  |
| EPA 6020B | Arsenic   | mg/L | 0.0238 | 0.0250 | 95.3 | 80 - 120 | X239218 | 04-Oct-22 |  |

**Classical Chemistry Parameters**

|           |                      |                           |      |      |      |            |         |           |  |
|-----------|----------------------|---------------------------|------|------|------|------------|---------|-----------|--|
| EPA 350.1 | Ammonia as N         | mg/L                      | 1.00 | 1.00 | 100  | 90 - 110   | X240018 | 27-Sep-22 |  |
| SM 2320 B | Total Alkalinity     | mg/L as CaCO <sub>3</sub> | 102  | 99.3 | 103  | 96.4 - 105 | X240033 | 27-Sep-22 |  |
| SM 2320 B | Total Alkalinity     | mg/L as CaCO <sub>3</sub> | 404  | 397  | 102  | 96.4 - 105 | X240033 | 27-Sep-22 |  |
| SM 5310B  | Total Organic Carbon | mg/L                      | 33.8 | 34.3 | 98.4 | 90 - 110   | X239027 | 20-Sep-22 |  |
| SM 5310B  | Total Organic Carbon | mg/L                      | 33.8 | 34.3 | 98.5 | 90 - 110   | X239027 | 20-Sep-22 |  |

**Anions by Ion Chromatography**

|           |                            |      |      |      |      |          |         |           |  |
|-----------|----------------------------|------|------|------|------|----------|---------|-----------|--|
| EPA 300.0 | Chloride                   | mg/L | 2.97 | 3.00 | 99.0 | 90 - 110 | X238179 | 15-Sep-22 |  |
| EPA 300.0 | Nitrate as N               | mg/L | 1.98 | 2.00 | 99.2 | 90 - 110 | X238179 | 15-Sep-22 |  |
| EPA 300.0 | Sulfate as SO <sub>4</sub> | mg/L | 10.4 | 10.0 | 104  | 90 - 110 | X238179 | 15-Sep-22 |  |



Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road

Colbert, WA 99005

Work Order:

**X210253**

Reported:

05-Oct-22 18:33

**Quality Control - DUPLICATE Data**

| Method | Analyte | Units | Duplicate Result | Sample Result | RPD | RPD Limit | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|------------------|---------------|-----|-----------|---------------------|----------|-------|
|--------|---------|-------|------------------|---------------|-----|-----------|---------------------|----------|-------|

**Classical Chemistry Parameters**

|           |                    |               |      |      |      |    |                      |           |     |
|-----------|--------------------|---------------|------|------|------|----|----------------------|-----------|-----|
| SM 2320 B | Total Alkalinity   | mg/L as CaCO3 | 77.9 | 81.3 | 4.3  | 20 | X240033 - X210253-07 | 27-Sep-22 |     |
| SM 2320 B | Bicarbonate        | mg/L as CaCO3 | 77.9 | 81.3 | 4.3  | 20 | X240033 - X210253-07 | 27-Sep-22 |     |
| SM 2320 B | Carbonate          | mg/L as CaCO3 | <1.0 | <1.0 | UDL  | 20 | X240033 - X210253-07 | 27-Sep-22 |     |
| SM 2540 C | Total Diss. Solids | mg/L          | 219  | 218  | 0.5  | 10 | X238252 - X210243-02 | 16-Sep-22 |     |
| SM 2540 C | Total Diss. Solids | mg/L          | 86   | 72   | 17.7 | 10 | X238252 - X210253-07 | 16-Sep-22 | R2B |

**Quality Control - MATRIX SPIKE Data**

| Method | Analyte | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|

**Metals (Total)**

|           |         |      |         |           |         |      |          |                      |           |  |
|-----------|---------|------|---------|-----------|---------|------|----------|----------------------|-----------|--|
| EPA 7470A | Mercury | mg/L | 0.00203 | <0.000200 | 0.00200 | 101  | 75 - 125 | X240111 - X210253-07 | 29-Sep-22 |  |
| EPA 7470A | Mercury | mg/L | 0.00200 | <0.000200 | 0.00200 | 99.8 | 75 - 125 | X240111 - X210271-07 | 29-Sep-22 |  |

**Metals (Total Recoverable)**

|           |           |      |        |          |        |      |          |                      |           |  |
|-----------|-----------|------|--------|----------|--------|------|----------|----------------------|-----------|--|
| EPA 6010D | Barium    | mg/L | 0.997  | <0.0040  | 1.00   | 99.7 | 75 - 125 | X239205 - X210253-07 | 27-Sep-22 |  |
| EPA 6010D | Lead      | mg/L | 0.972  | <0.0150  | 1.00   | 97.2 | 75 - 125 | X239205 - X210253-07 | 27-Sep-22 |  |
| EPA 6010D | Manganese | mg/L | 1.08   | 0.0970   | 1.00   | 98.4 | 75 - 125 | X239205 - X210253-07 | 27-Sep-22 |  |
| EPA 6010D | Vanadium  | mg/L | 1.01   | <0.0050  | 1.00   | 101  | 75 - 125 | X239205 - X210253-07 | 27-Sep-22 |  |
| EPA 6010D | Zinc      | mg/L | 0.975  | <0.0100  | 1.00   | 97.5 | 75 - 125 | X239205 - X210253-07 | 27-Sep-22 |  |
| EPA 6020B | Arsenic   | mg/L | 0.0242 | <0.00300 | 0.0250 | 94.4 | 75 - 125 | X239218 - X210253-07 | 04-Oct-22 |  |

**Classical Chemistry Parameters**

|           |                      |      |       |        |      |      |          |                      |           |  |
|-----------|----------------------|------|-------|--------|------|------|----------|----------------------|-----------|--|
| EPA 350.1 | Ammonia as N         | mg/L | 0.992 | <0.030 | 1.00 | 99.2 | 90 - 110 | X240018 - X210253-07 | 27-Sep-22 |  |
| EPA 350.1 | Ammonia as N         | mg/L | 1.03  | <0.030 | 1.00 | 103  | 90 - 110 | X240018 - X210273-01 | 27-Sep-22 |  |
| SM 5310B  | Total Organic Carbon | mg/L | 10.7  | <1.00  | 10.0 | 102  | 80 - 120 | X239027 - X210253-07 | 20-Sep-22 |  |

**Anions by Ion Chromatography**

|           |                |      |      |        |      |      |          |                      |           |  |
|-----------|----------------|------|------|--------|------|------|----------|----------------------|-----------|--|
| EPA 300.0 | Chloride       | mg/L | 3.12 | <0.20  | 3.00 | 99.2 | 90 - 110 | X238179 - X210255-02 | 15-Sep-22 |  |
| EPA 300.0 | Chloride       | mg/L | 3.74 | 0.76   | 3.00 | 99.4 | 90 - 110 | X238179 - X210253-07 | 16-Sep-22 |  |
| EPA 300.0 | Nitrate as N   | mg/L | 2.01 | <0.050 | 2.00 | 101  | 90 - 110 | X238179 - X210255-02 | 15-Sep-22 |  |
| EPA 300.0 | Nitrate as N   | mg/L | 2.00 | <0.050 | 2.00 | 98.7 | 90 - 110 | X238179 - X210253-07 | 16-Sep-22 |  |
| EPA 300.0 | Sulfate as SO4 | mg/L | 10.9 | 0.39   | 10.0 | 105  | 90 - 110 | X238179 - X210255-02 | 15-Sep-22 |  |
| EPA 300.0 | Sulfate as SO4 | mg/L | 19.9 | 9.34   | 10.0 | 106  | 90 - 110 | X238179 - X210253-07 | 16-Sep-22 |  |

**Quality Control - MATRIX SPIKE DUPLICATE Data**

| Method | Analyte | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID | Notes |
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|

**Metals (Total)**

|           |         |      |         |         |         |     |    |     |                      |  |
|-----------|---------|------|---------|---------|---------|-----|----|-----|----------------------|--|
| EPA 7470A | Mercury | mg/L | 0.00205 | 0.00203 | 0.00200 | 0.8 | 20 | 102 | X240111 - X210253-07 |  |
|-----------|---------|------|---------|---------|---------|-----|----|-----|----------------------|--|

**Metals (Total Recoverable)**

|           |           |      |        |        |        |     |    |      |                      |  |
|-----------|-----------|------|--------|--------|--------|-----|----|------|----------------------|--|
| EPA 6010D | Barium    | mg/L | 0.998  | 0.997  | 1.00   | 0.1 | 20 | 99.8 | X239205 - X210253-07 |  |
| EPA 6010D | Lead      | mg/L | 0.972  | 0.972  | 1.00   | 0.0 | 20 | 97.2 | X239205 - X210253-07 |  |
| EPA 6010D | Manganese | mg/L | 1.09   | 1.08   | 1.00   | 0.4 | 20 | 98.8 | X239205 - X210253-07 |  |
| EPA 6010D | Vanadium  | mg/L | 0.982  | 1.01   | 1.00   | 3.0 | 20 | 98.2 | X239205 - X210253-07 |  |
| EPA 6010D | Zinc      | mg/L | 0.972  | 0.975  | 1.00   | 0.3 | 20 | 97.2 | X239205 - X210253-07 |  |
| EPA 6020B | Arsenic   | mg/L | 0.0246 | 0.0242 | 0.0250 | 1.6 | 20 | 96.0 | X239218 - X210253-07 |  |



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

[www.svl.net](http://www.svl.net)

Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X2I0253**  
Reported: 05-Oct-22 18:33

**Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)**

| Method | Analyte | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID | Notes |
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|

**Classical Chemistry Parameters**

|           |                      |      |      |       |      |     |    |      |                      |  |
|-----------|----------------------|------|------|-------|------|-----|----|------|----------------------|--|
| EPA 350.1 | Ammonia as N         | mg/L | 1.02 | 0.992 | 1.00 | 2.9 | 20 | 102  | X240018 - X2I0253-07 |  |
| SM 5310B  | Total Organic Carbon | mg/L | 10.4 | 10.7  | 10.0 | 3.1 | 20 | 99.0 | X239027 - X2I0253-07 |  |

**Anions by Ion Chromatography**

|           |                            |      |      |      |      |     |    |     |                      |  |
|-----------|----------------------------|------|------|------|------|-----|----|-----|----------------------|--|
| EPA 300.0 | Chloride                   | mg/L | 3.78 | 3.74 | 3.00 | 1.0 | 20 | 101 | X238179 - X2I0253-07 |  |
| EPA 300.0 | Nitrate as N               | mg/L | 2.03 | 2.00 | 2.00 | 1.3 | 20 | 100 | X238179 - X2I0253-07 |  |
| EPA 300.0 | Sulfate as SO <sub>4</sub> | mg/L | 20.1 | 19.9 | 10.0 | 0.7 | 20 | 107 | X238179 - X2I0253-07 |  |



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

[www.svl.net](http://www.svl.net)

Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210253**  
Reported: 05-Oct-22 18:33

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### Notes and Definitions

|         |                                                                                     |
|---------|-------------------------------------------------------------------------------------|
| D2      | Sample required dilution due to high concentration of target analyte.               |
| H3      | Sample was received and/or analysis requested past holding time.                    |
| R2B     | RPD exceeded the laboratory acceptance limit.                                       |
| LCS     | Laboratory Control Sample (Blank Spike)                                             |
| RPD     | Relative Percent Difference                                                         |
| UDL     | A result is less than the detection limit                                           |
| 0.30R>S | % recovery not applicable; spike level is less than 30% of the sample concentration |
| <RL     | A result is less than the reporting limit                                           |
| MRL     | Method Reporting Limit                                                              |
| MDL     | Method Detection Limit                                                              |
| N/A     | Not Applicable                                                                      |

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**SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES**  
**MICA LANDFILL COMPLIANCE MONITORING PROGRAM**

LABORATORY:  
 SVL ANALYTICAL  
 ONE GOVERNMENT GULCH  
 KELLOGG, ID 83837-0929  
 (208) 784-1258 FAX (208) 783-0891  
 ATTENTION: Sample Receiving



Work Order: **X210253**  
 Spokane County Environmental Services (I

SHIPPING CO: **UPS**  
 SHIPPING #: **K2615382335/2326**  
 NUMBER OF COOLERS: **2**  
 DATE: **9-13-2022**  
 PAGE **1** OF **1**

| PARAMETERS:           | DATE | TIME | MONITORING      |                       |                       | RESIDENTIAL           |                                   | SAMPLERS: | COMMENTS |
|-----------------------|------|------|-----------------|-----------------------|-----------------------|-----------------------|-----------------------------------|-----------|----------|
|                       |      |      | TOC             | AMMONIA               | CI / SO4 / TDS        | CI / SO4 / NO3        | METALS                            |           |          |
| METHOD:               |      |      | 415.1           | 350.1                 | 300.0/300.0/160.1     | 300.0/300.0/300.0     | (As / Ba / Pb / Hg / Mn / V / Zn) |           |          |
| BOTTLES:              |      |      | 1-40 ml. VOC    | 1-500 ml. POLY BOTTLE | 1-500 ml. POLY BOTTLE | 1-500 ml. POLY BOTTLE | 1-500 ml. POLY BOTTLE             |           |          |
| LAB:                  |      |      | SVL             | SVL                   | SVL                   | SVL                   | SVL                               |           |          |
| PRESERVATION:         |      |      | HCL             | H2SO4                 | UNPRESERVED           | UNPRESERVED           | HN03 PH < 2 (NOT FILTERED)        |           |          |
|                       |      |      | PH < 2          | PH < 2                |                       |                       |                                   |           |          |
| SAMPLE IDENTIFICATION | DATE | TIME |                 |                       |                       |                       |                                   |           |          |
| GW DW-001-220913      | 9/13 | 0922 | <del>XXXX</del> | <del>XXXX</del>       | <del>XXXX</del>       | <del>XXXX</del>       | <del>XXXX</del>                   | 141       | 4        |
| GW DW-002-220913      | 9/13 | 1031 | <del>XXXX</del> | <del>XXXX</del>       | <del>XXXX</del>       | <del>XXXX</del>       | <del>XXXX</del>                   | 141       | 4        |
| GW DW-003-220913      | 9/13 | 1206 | <del>XXXX</del> | <del>XXXX</del>       | <del>XXXX</del>       | <del>XXXX</del>       | <del>XXXX</del>                   | 141       | 4        |
| GW MS-004-220913      | 9/13 | 1351 | <del>XXXX</del> | <del>XXXX</del>       | <del>XXXX</del>       | <del>XXXX</del>       | <del>XXXX</del>                   | 141       | 4        |
| GW MS-005-220913      | 9/13 | 1410 | <del>XXXX</del> | <del>XXXX</del>       | <del>XXXX</del>       | <del>XXXX</del>       | <del>XXXX</del>                   | 141       | 4        |
| GW MN-013-220913      | 9/13 | 1130 | <del>XXXX</del> | <del>XXXX</del>       | <del>XXXX</del>       | <del>XXXX</del>       | <del>XXXX</del>                   | 141       | 4        |
| GW MN-014-220913      | 9/13 | 1000 | <del>XXXX</del> | <del>XXXX</del>       | <del>XXXX</del>       | <del>XXXX</del>       | <del>XXXX</del>                   | 141       | 4        |
| GW MN-020-220913      | 9/13 | 1310 | <del>XXXX</del> | <del>XXXX</del>       | <del>XXXX</del>       | <del>XXXX</del>       | <del>XXXX</del>                   | 141       | 4        |

COMMENTS: Please e-mail a sample condition report to Austin and Mike ASAP astewart@spokanecounty.org and mterris@spokanecounty.org

|                                                                                                                                                  |                                           |                                                                                                                                              |                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| RELINQUISHED BY<br>SIGNATURE: <i>[Signature]</i><br>PRINT NAME: <b>MIKE STEWART</b><br>COMPANY: <b>SPOKANE COUNTY UTILITIES LANDFILL CLOSURE</b> | DATE: <b>9/13/22</b><br>TIME: <b>1500</b> | RECEIVED BY<br>SIGNATURE: <i>[Signature]</i><br>PRINT NAME: <b>MIKE STEWART</b><br>COMPANY: <b>SPOKANE COUNTY UTILITIES LANDFILL CLOSURE</b> | DATE: <b>9/13/22</b><br>TIME: <b>1500</b> |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|

**\*MS/MSD ON SAMPLE ID GWMN-014-220913**  
**\*ALL TOC SAMPLE ARE IN COOLER #141 ALONG W/ORIGINAL COC**

GROUNDWATER SAMPLES  
RING PROGRAM

Work Order: **X210253**  
Spokane County Environmental Services (

LABORATORY:  
SVL ANALYTICAL  
ONE GOVERNMENT GULCH  
KELLOGG, ID 83837-0929

CLIENT:  
SPOKANE COI  
22515 N. ELK  
COLBERT, WASHINGTON 99005

(208) 784-1258 FAX (208) 783-0891  
ATTENTION: Sample Receiving

(509) 238-6607 FAX (509) 238-6812  
MICA (509) 924-5223

SHIPPING CO: **UPS**  
SHIPPING #: **1K2615382335/2326**  
NUMBER OF COOLERS: **2**  
DATE: **9-13-2022**  
PAGE **1** OF **1**



ATTENTION: Sample Receiving

MONITORING RESIDENTIAL

| PARAMETERS:           | DATE | TIME | MONITORING      |                         | RESIDENTIAL                         |                              | METALS<br>(As / Ba / Pb / Hg<br>Mn / V / Zn) | SAMPLERS:               | COOLER<br>NUMBER | NUMBER<br>BOTTLES | COMMENTS |
|-----------------------|------|------|-----------------|-------------------------|-------------------------------------|------------------------------|----------------------------------------------|-------------------------|------------------|-------------------|----------|
|                       |      |      | TOC             | AMMONIA                 | Cl / SO4 / TDS<br>NO3 / ALKALINITY  | Cl / SO4 / NO3<br>ALKALINITY |                                              |                         |                  |                   |          |
| METHOD:               |      |      | 415.1           | 350.1                   | 300.0/300.0/160.1<br>300.0 / 2320 B | 300.0/300.0/ 300.0<br>2320B  | 7060A / 6010B /<br>7470A                     | G. FISEITE<br>M. TEARIS |                  |                   |          |
| BOTTLES:              |      |      | 1-40 ml.<br>VOC | 1-500 ml<br>POLY BOTTLE | 1-500 ml<br>POLY BOTTLE             | 1-500 ml.<br>POLY BOTTLE     | 1-500 ml.<br>POLY BOTTLE                     |                         |                  |                   |          |
| LAB:                  |      |      | SVL             | SVL                     | SVL                                 | SVL                          | SVL                                          |                         |                  |                   |          |
| PRESERVATION:         |      |      | HCL<br>PH < 2   | H2SO4<br>PH < 2         | UNPRESERVED                         | UNPRESERVED                  | HNO3 PH < 2<br>(NOT FILTERED)                |                         |                  |                   |          |
| SAMPLE IDENTIFICATION |      |      |                 |                         |                                     |                              |                                              |                         |                  |                   |          |
| GW DW-001-220913      | 9/13 | 0900 | X               | X                       | X                                   | X                            | X                                            |                         | 14               | 4                 |          |
| GW DW-002-220913      | 9/13 | 1031 | X               | X                       | X                                   | X                            | X                                            |                         | 14               | 4                 |          |
| GW DW-003-220913      | 9/13 | 1206 | X               | X                       | X                                   | X                            | X                                            |                         | 14               | 4                 |          |
| GW MS-004-220913      | 9/13 | 1351 | X               | X                       | X                                   | X                            | X                                            |                         | 14               | 4                 |          |
| GW MS-005-220913      | 9/13 | 1410 | X               | X                       | X                                   | X                            | X                                            |                         | 14               | 4                 |          |
| GW MW-013-220913      | 9/13 | 1130 | X               | X                       | X                                   | X                            | X                                            |                         | 14               | 4                 |          |
| GW MW-014-220913      | 9/13 | 1000 | X               | X                       | X                                   | X                            | X                                            |                         | 14               | 12                | MS/MSD   |
| GW MW-020-220913      | 9/13 | 1310 | X               | X                       | X                                   | X                            | X                                            |                         | 14               | 4                 |          |

COMMENTS: Please e-mail a sample condition report to Austin and Mike ASAP astewart@spokanecounty.org and mterris@spokanecounty.org

RELINQUISHED BY

SIGNATURE:

PRINT NAME:

MIKE STEARNS

DATE: 9/13/22

TIME: 1500

RECEIVED BY

SIGNATURE:

PRINT NAME:

DATE:

TIME:

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

COMPANY:

X MS/MSD ON SAMPLE ID GWMW-014-220913  
X ALL TOP SAMPLE ARE IN COOLER #141 ALONG W/ ORIGINAL COOL

# SAMPLE RECEIPT/CHAIN-OF-CUSTODY CHECKLIST

The following items were checked for completeness, correctness, and compliance to project specifications using the Chain-of-Custody (COC) and other supporting information.

Date of acceptance: 9/15/22

By: M Digiovanni

SVL Work No: X210253

| Item | Description                                                       | V | NA | Comments                             |
|------|-------------------------------------------------------------------|---|----|--------------------------------------|
| 1    | Client or project name                                            | ✓ |    | Spokane County Envir. Svcs - Colbert |
| 2    | Date and time of receipt at lab                                   | ✓ |    | 9/15/22 ID10                         |
| 3    | Received by                                                       | ✓ |    | M Digiovanni                         |
| 4    | Temperature blank or cooler temperature                           | ✓ |    | Temp. 3.2 °C T098/T126               |
| 5    | Were the sample(s) received on ice                                | ✓ |    |                                      |
| 6    | Custody tape/bottle seals                                         | ✓ |    |                                      |
| 7    | Shipper's air bill                                                | ✓ |    |                                      |
| 8    | Condition of samples upon receipt (leaking; bubbles in VOA vials) | ✓ |    |                                      |
| 9    | Analysis requested for each sample                                | ✓ |    |                                      |
| 10   | Sample matrix description                                         | ✓ |    |                                      |
| 11   | The correct preservative for the analysis requested               | ✓ |    |                                      |
| 12   | Did an SVL employee preserve sample(s) upon receipt               |   | ✓  |                                      |
| 13   | Additional Information                                            |   | ✓  |                                      |

1 GOVERNMENT GULCH

KELLOGG ID 83837

P: SOUTH S: SOUTH I: 5D

KING - RDC

K2615382335

BHS9RYX IDCOE948UDC SEP 15 04:19:59 2022  
US 8380 HIP 22.6.0 ZP4505

1 GOVERNMENT GULCH 5.12

KELLOGG ID 83837

P: SOUTH S: SOUTH I: 5D

KING - RDC

K2615382326

BHS9RYX IDCOE948UDC SEP 15 04:23:05 2022  
US 8380 HIP 22.6.0 ZP4505

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**Client:** Spokane County Environmental Services  
**Address:** 1004 N Freya Street  
Spokane, WA 99202  
**Attn:** Dave Tryon

**Work Order:** MCI0516  
**Project:** X2I0265  
**Reported:** 10/24/2022 14:28

## **Case Narrative**

This report is an amended version of report MCI0516, originally issued on 10/03/2022

This report supersedes all previous reports issued for work order MCI0516

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## Analytical Results Report

Sample Location: X2I0265-01 (GWDW-001-220913)  
Lab/Sample Number: MCI0516-01 Collect Date: 09/13/22 09:22  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                            | Result | Units | PQL   | Analyzed      | Analyst | Method    | Qualifier |
|------------------------------------|--------|-------|-------|---------------|---------|-----------|-----------|
| <b>Volatiles</b>                   |        |       |       |               |         |           |           |
| 1,1,1,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,1,1-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,1,2,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,1,2-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethene                 | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,1-dichloropropene                | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,2,3-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,2,3-Trichloropropane             | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,2,4-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,2,4-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,2-Dibromoethane (EDB)            | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,2-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,2-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,3,5-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,3-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,3-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 1,4-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 2,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 2-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 2-hexanone                         | ND     | ug/L  | 2.50  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| 4-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Acetone                            | ND     | ug/L  | 2.50  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Acrylonitrile                      | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Benzene                            | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Bromobenzene                       | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Bromochloromethane                 | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Bromodichloromethane               | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Bromoform                          | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Bromomethane                       | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Carbon disulfide                   | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Carbon Tetrachloride               | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Chlorobenzene                      | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Chloroethane                       | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Chloroform                         | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Chloromethane                      | ND     | ug/L  | 1.00  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| cis-1,2-dichloroethene             | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| cis-1,3-Dichloropropene            | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Dibromochloromethane               | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Dibromomethane                     | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Dichlorodifluoromethane            | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Ethylbenzene                       | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Hexachlorobutadiene                | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Isopropylbenzene                   | ND     | ug/L  | 0.500 | 9/21/22 15:38 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-01 (GWDW-001-220913)  
Lab/Sample Number: MCI0516-01 Collect Date: 09/13/22 09:22  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                           | Result | Units | PQL    | Analyzed      | Analyst | Method    | Qualifier |
|-----------------------------------|--------|-------|--------|---------------|---------|-----------|-----------|
| <b>Volatiles (Continued)</b>      |        |       |        |               |         |           |           |
| m+p-Xylene                        | ND     | ug/L  | 0.500  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Methyl ethyl ketone (MEK)         | ND     | ug/L  | 2.50   | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Methyl isobutyl ketone (MIBK)     | ND     | ug/L  | 2.50   | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Methylene chloride                | ND     | ug/L  | 2.50   | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| methyl-t-butyl ether (MTBE)       | ND     | ug/L  | 0.500  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Naphthalene                       | ND     | ug/L  | 0.500  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| n-Butylbenzene                    | ND     | ug/L  | 0.500  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| n-Propylbenzene                   | ND     | ug/L  | 0.500  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| o-Xylene                          | ND     | ug/L  | 0.500  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| p-isopropyltoluene                | ND     | ug/L  | 0.500  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| sec-Butylbenzene                  | ND     | ug/L  | 0.500  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Styrene                           | ND     | ug/L  | 0.500  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| tert-Butylbenzene                 | ND     | ug/L  | 0.500  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Tetrachloroethene                 | ND     | ug/L  | 0.500  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Toluene                           | ND     | ug/L  | 0.500  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| trans-1,2-Dichloroethene          | ND     | ug/L  | 0.500  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| trans-1,3-Dichloropropene         | ND     | ug/L  | 0.500  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Trichloroethene                   | ND     | ug/L  | 0.500  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Trichlorofluoromethane            | ND     | ug/L  | 0.500  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| Vinyl Chloride                    | ND     | ug/L  | 0.500  | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 1,2-Dichlorobenzene-d4 | 110%   |       | 70-130 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 4-Bromofluorobenzene   | 97.2%  |       | 70-130 | 9/21/22 15:38 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: Toluene-d8             | 97.0%  |       | 70-130 | 9/21/22 15:38 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-02 (GWDW-002-220913)  
Lab/Sample Number: MCI0516-02 Collect Date: 09/13/22 10:31  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                            | Result | Units | PQL   | Analyzed      | Analyst | Method    | Qualifier |
|------------------------------------|--------|-------|-------|---------------|---------|-----------|-----------|
| <b>Volatiles</b>                   |        |       |       |               |         |           |           |
| 1,1,1,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,1,1-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,1,2,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,1,2-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethene                 | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,1-dichloropropene                | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,2,3-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,2,3-Trichloropropane             | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,2,4-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,2,4-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,2-Dibromoethane (EDB)            | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,2-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,2-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,3,5-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,3-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,3-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 1,4-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 2,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 2-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 2-hexanone                         | ND     | ug/L  | 2.50  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| 4-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Acetone                            | ND     | ug/L  | 2.50  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Acrylonitrile                      | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Benzene                            | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Bromobenzene                       | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Bromochloromethane                 | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Bromodichloromethane               | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Bromoform                          | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Bromomethane                       | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Carbon disulfide                   | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Carbon Tetrachloride               | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Chlorobenzene                      | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Chloroethane                       | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Chloroform                         | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Chloromethane                      | ND     | ug/L  | 1.00  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| cis-1,2-dichloroethene             | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| cis-1,3-Dichloropropene            | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Dibromochloromethane               | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Dibromomethane                     | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Dichlorodifluoromethane            | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Ethylbenzene                       | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Hexachlorobutadiene                | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Isopropylbenzene                   | ND     | ug/L  | 0.500 | 9/21/22 16:07 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-02 (GWDW-002-220913)  
Lab/Sample Number: MCI0516-02 Collect Date: 09/13/22 10:31  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                           | Result | Units | PQL    | Analyzed      | Analyst | Method    | Qualifier |
|-----------------------------------|--------|-------|--------|---------------|---------|-----------|-----------|
| <b>Volatiles (Continued)</b>      |        |       |        |               |         |           |           |
| m+p-Xylene                        | ND     | ug/L  | 0.500  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Methyl ethyl ketone (MEK)         | ND     | ug/L  | 2.50   | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Methyl isobutyl ketone (MIBK)     | ND     | ug/L  | 2.50   | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Methylene chloride                | ND     | ug/L  | 2.50   | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| methyl-t-butyl ether (MTBE)       | ND     | ug/L  | 0.500  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Naphthalene                       | ND     | ug/L  | 0.500  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| n-Butylbenzene                    | ND     | ug/L  | 0.500  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| n-Propylbenzene                   | ND     | ug/L  | 0.500  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| o-Xylene                          | ND     | ug/L  | 0.500  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| p-isopropyltoluene                | ND     | ug/L  | 0.500  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| sec-Butylbenzene                  | ND     | ug/L  | 0.500  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Styrene                           | ND     | ug/L  | 0.500  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| tert-Butylbenzene                 | ND     | ug/L  | 0.500  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Tetrachloroethene                 | ND     | ug/L  | 0.500  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Toluene                           | ND     | ug/L  | 0.500  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| trans-1,2-Dichloroethene          | ND     | ug/L  | 0.500  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| trans-1,3-Dichloropropene         | ND     | ug/L  | 0.500  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Trichloroethene                   | ND     | ug/L  | 0.500  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Trichlorofluoromethane            | ND     | ug/L  | 0.500  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| Vinyl Chloride                    | ND     | ug/L  | 0.500  | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 1,2-Dichlorobenzene-d4 | 100%   |       | 70-130 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 4-Bromofluorobenzene   | 92.0%  |       | 70-130 | 9/21/22 16:07 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: Toluene-d8             | 90.6%  |       | 70-130 | 9/21/22 16:07 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-03 (GWDW-003-220913)  
Lab/Sample Number: MCI0516-03 Collect Date: 09/13/22 12:06  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                            | Result | Units | PQL   | Analyzed      | Analyst | Method    | Qualifier |
|------------------------------------|--------|-------|-------|---------------|---------|-----------|-----------|
| <b>Volatiles</b>                   |        |       |       |               |         |           |           |
| 1,1,1,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,1,1-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,1,2,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,1,2-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethene                 | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,1-dichloropropene                | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,2,3-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,2,3-Trichloropropane             | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,2,4-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,2,4-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,2-Dibromoethane (EDB)            | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,2-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,2-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,3,5-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,3-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,3-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 1,4-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 2,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 2-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 2-hexanone                         | ND     | ug/L  | 2.50  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| 4-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Acetone                            | ND     | ug/L  | 2.50  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Acrylonitrile                      | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Benzene                            | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Bromobenzene                       | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Bromochloromethane                 | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Bromodichloromethane               | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Bromoform                          | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Bromomethane                       | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Carbon disulfide                   | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Carbon Tetrachloride               | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Chlorobenzene                      | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Chloroethane                       | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Chloroform                         | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Chloromethane                      | ND     | ug/L  | 1.00  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| cis-1,2-dichloroethene             | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| cis-1,3-Dichloropropene            | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Dibromochloromethane               | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Dibromomethane                     | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Dichlorodifluoromethane            | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Ethylbenzene                       | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Hexachlorobutadiene                | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Isopropylbenzene                   | ND     | ug/L  | 0.500 | 9/21/22 16:38 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-03 (GWDW-003-220913)  
Lab/Sample Number: MCI0516-03 Collect Date: 09/13/22 12:06  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                           | Result | Units | PQL    | Analyzed      | Analyst | Method    | Qualifier |
|-----------------------------------|--------|-------|--------|---------------|---------|-----------|-----------|
| <b>Volatiles (Continued)</b>      |        |       |        |               |         |           |           |
| m+p-Xylene                        | ND     | ug/L  | 0.500  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Methyl ethyl ketone (MEK)         | ND     | ug/L  | 2.50   | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Methyl isobutyl ketone (MIBK)     | ND     | ug/L  | 2.50   | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Methylene chloride                | ND     | ug/L  | 2.50   | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| methyl-t-butyl ether (MTBE)       | ND     | ug/L  | 0.500  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Naphthalene                       | ND     | ug/L  | 0.500  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| n-Butylbenzene                    | ND     | ug/L  | 0.500  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| n-Propylbenzene                   | ND     | ug/L  | 0.500  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| o-Xylene                          | ND     | ug/L  | 0.500  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| p-isopropyltoluene                | ND     | ug/L  | 0.500  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| sec-Butylbenzene                  | ND     | ug/L  | 0.500  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Styrene                           | ND     | ug/L  | 0.500  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| tert-Butylbenzene                 | ND     | ug/L  | 0.500  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Tetrachloroethene                 | ND     | ug/L  | 0.500  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Toluene                           | ND     | ug/L  | 0.500  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| trans-1,2-Dichloroethene          | ND     | ug/L  | 0.500  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| trans-1,3-Dichloropropene         | ND     | ug/L  | 0.500  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Trichloroethene                   | ND     | ug/L  | 0.500  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Trichlorofluoromethane            | ND     | ug/L  | 0.500  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Vinyl Chloride                    | ND     | ug/L  | 0.500  | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Surrogate: 1,2-Dichlorobenzene-d4 | 111%   |       | 70-130 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Surrogate: 4-Bromofluorobenzene   | 92.4%  |       | 70-130 | 9/21/22 16:38 | BKP     | EPA 8260D |           |
| Surrogate: Toluene-d8             | 93.3%  |       | 70-130 | 9/21/22 16:38 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-04 (GWMS-004-220913)  
Lab/Sample Number: MCI0516-04 Collect Date: 09/13/22 13:51  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                            | Result | Units | PQL    | Analyzed      | Analyst | Method    | Qualifier |
|------------------------------------|--------|-------|--------|---------------|---------|-----------|-----------|
| <b>Semivolatiles</b>               |        |       |        |               |         |           |           |
| bis(2-Ethylhexyl)phthalate         | ND     | ug/L  | 0.500  | 9/29/22 4:28  | MH      | EPA 8270E |           |
| Surrogate: Terphenyl-d14           | 76.6%  |       | 57-133 | 9/29/22 4:28  | MH      | EPA 8270E |           |
| <b>Volatiles</b>                   |        |       |        |               |         |           |           |
| 1,1,1,2-Tetrachloroethane          | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,1,1-Trichloroethane              | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,1,2,2-Tetrachloroethane          | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,1,2-Trichloroethane              | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethane                 | 1.25   | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethene                 | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,1-dichloropropene                | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,2,3-Trichlorobenzene             | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,2,3-Trichloropropane             | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,2,4-Trichlorobenzene             | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,2,4-Trimethylbenzene             | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,2-Dibromoethane (EDB)            | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,2-Dichlorobenzene                | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,2-Dichloroethane                 | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,2-Dichloropropane                | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,3,5-Trimethylbenzene             | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,3-Dichlorobenzene                | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,3-Dichloropropane                | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 1,4-Dichlorobenzene                | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 2,2-Dichloropropane                | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 2-Chlorotoluene                    | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 2-hexanone                         | ND     | ug/L  | 2.50   | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| 4-Chlorotoluene                    | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Acetone                            | ND     | ug/L  | 2.50   | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Acrylonitrile                      | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Benzene                            | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Bromobenzene                       | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Bromochloromethane                 | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Bromodichloromethane               | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Bromoform                          | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Bromomethane                       | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Carbon disulfide                   | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Carbon Tetrachloride               | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Chlorobenzene                      | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Chloroethane                       | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Chloroform                         | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Chloromethane                      | ND     | ug/L  | 1.00   | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| cis-1,2-dichloroethene             | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| cis-1,3-Dichloropropene            | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Dibromochloromethane               | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-04 (GWMS-004-220913)  
Lab/Sample Number: MCI0516-04 Collect Date: 09/13/22 13:51  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                           | Result | Units | PQL    | Analyzed      | Analyst | Method    | Qualifier |
|-----------------------------------|--------|-------|--------|---------------|---------|-----------|-----------|
| <b>Volatiles (Continued)</b>      |        |       |        |               |         |           |           |
| Dibromomethane                    | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Dichlorodifluoromethane           | 1.97   | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Ethylbenzene                      | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Hexachlorobutadiene               | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Isopropylbenzene                  | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| m+p-Xylene                        | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Methyl ethyl ketone (MEK)         | ND     | ug/L  | 2.50   | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Methyl isobutyl ketone (MIBK)     | ND     | ug/L  | 2.50   | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Methylene chloride                | ND     | ug/L  | 2.50   | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| methyl-t-butyl ether (MTBE)       | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Naphthalene                       | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| n-Butylbenzene                    | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| n-Propylbenzene                   | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| o-Xylene                          | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| p-isopropyltoluene                | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| sec-Butylbenzene                  | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Styrene                           | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| tert-Butylbenzene                 | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Tetrachloroethene                 | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Toluene                           | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| trans-1,2-Dichloroethene          | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| trans-1,3-Dichloropropene         | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Trichloroethene                   | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Trichlorofluoromethane            | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| Vinyl Chloride                    | ND     | ug/L  | 0.500  | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 1,2-Dichlorobenzene-d4 | 101%   |       | 70-130 | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 4-Bromofluorobenzene   | 95.8%  |       | 70-130 | 9/21/22 17:08 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: Toluene-d8             | 93.1%  |       | 70-130 | 9/21/22 17:08 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-05 (GWMS-005-220913)  
Lab/Sample Number: MCI0516-05 Collect Date: 09/13/22 14:10  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                            | Result | Units | PQL   | Analyzed      | Analyst | Method    | Qualifier |
|------------------------------------|--------|-------|-------|---------------|---------|-----------|-----------|
| <b>Volatiles</b>                   |        |       |       |               |         |           |           |
| 1,1,1,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,1,1-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,1,2,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,1,2-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethene                 | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,1-dichloropropene                | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,2,3-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,2,3-Trichloropropane             | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,2,4-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,2,4-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,2-Dibromoethane (EDB)            | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,2-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,2-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,3,5-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,3-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,3-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 1,4-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 2,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 2-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 2-hexanone                         | ND     | ug/L  | 2.50  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| 4-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Acetone                            | ND     | ug/L  | 2.50  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Acrylonitrile                      | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Benzene                            | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Bromobenzene                       | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Bromochloromethane                 | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Bromodichloromethane               | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Bromoform                          | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Bromomethane                       | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Carbon disulfide                   | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Carbon Tetrachloride               | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Chlorobenzene                      | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Chloroethane                       | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Chloroform                         | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Chloromethane                      | ND     | ug/L  | 1.00  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| cis-1,2-dichloroethene             | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| cis-1,3-Dichloropropene            | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Dibromochloromethane               | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Dibromomethane                     | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Dichlorodifluoromethane            | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Ethylbenzene                       | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Hexachlorobutadiene                | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Isopropylbenzene                   | ND     | ug/L  | 0.500 | 9/21/22 17:38 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-05 (GWMS-005-220913)  
Lab/Sample Number: MCI0516-05 Collect Date: 09/13/22 14:10  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                           | Result | Units | PQL    | Analyzed      | Analyst | Method    | Qualifier |
|-----------------------------------|--------|-------|--------|---------------|---------|-----------|-----------|
| <b>Volatiles (Continued)</b>      |        |       |        |               |         |           |           |
| m+p-Xylene                        | ND     | ug/L  | 0.500  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Methyl ethyl ketone (MEK)         | ND     | ug/L  | 2.50   | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Methyl isobutyl ketone (MIBK)     | ND     | ug/L  | 2.50   | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Methylene chloride                | ND     | ug/L  | 2.50   | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| methyl-t-butyl ether (MTBE)       | ND     | ug/L  | 0.500  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Naphthalene                       | ND     | ug/L  | 0.500  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| n-Butylbenzene                    | ND     | ug/L  | 0.500  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| n-Propylbenzene                   | ND     | ug/L  | 0.500  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| o-Xylene                          | ND     | ug/L  | 0.500  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| p-isopropyltoluene                | ND     | ug/L  | 0.500  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| sec-Butylbenzene                  | ND     | ug/L  | 0.500  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Styrene                           | ND     | ug/L  | 0.500  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| tert-Butylbenzene                 | ND     | ug/L  | 0.500  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Tetrachloroethene                 | ND     | ug/L  | 0.500  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Toluene                           | ND     | ug/L  | 0.500  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| trans-1,2-Dichloroethene          | ND     | ug/L  | 0.500  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| trans-1,3-Dichloropropene         | ND     | ug/L  | 0.500  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Trichloroethene                   | ND     | ug/L  | 0.500  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Trichlorofluoromethane            | ND     | ug/L  | 0.500  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| Vinyl Chloride                    | ND     | ug/L  | 0.500  | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 1,2-Dichlorobenzene-d4 | 103%   |       | 70-130 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 4-Bromofluorobenzene   | 94.7%  |       | 70-130 | 9/21/22 17:38 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: Toluene-d8             | 95.3%  |       | 70-130 | 9/21/22 17:38 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-06 (GWMW-013-220913)  
Lab/Sample Number: MCI0516-06 Collect Date: 09/13/22 11:30  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                            | Result | Units | PQL   | Analyzed      | Analyst | Method    | Qualifier |
|------------------------------------|--------|-------|-------|---------------|---------|-----------|-----------|
| <b>Volatiles</b>                   |        |       |       |               |         |           |           |
| 1,1,1,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,1,1-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,1,2,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,1,2-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethane                 | 0.820  | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethene                 | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,1-dichloropropene                | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,2,3-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,2,3-Trichloropropane             | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,2,4-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,2,4-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,2-Dibromoethane (EDB)            | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,2-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,2-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,3,5-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,3-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,3-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 1,4-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 2,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 2-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 2-hexanone                         | ND     | ug/L  | 2.50  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| 4-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Acetone                            | ND     | ug/L  | 2.50  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Acrylonitrile                      | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Benzene                            | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Bromobenzene                       | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Bromochloromethane                 | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Bromodichloromethane               | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Bromoform                          | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Bromomethane                       | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Carbon disulfide                   | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Carbon Tetrachloride               | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Chlorobenzene                      | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Chloroethane                       | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Chloroform                         | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Chloromethane                      | 1.45   | ug/L  | 1.00  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| cis-1,2-dichloroethene             | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| cis-1,3-Dichloropropene            | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Dibromochloromethane               | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Dibromomethane                     | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Dichlorodifluoromethane            | 2.00   | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Ethylbenzene                       | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Hexachlorobutadiene                | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Isopropylbenzene                   | ND     | ug/L  | 0.500 | 9/21/22 18:07 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-06 (GWMW-013-220913)  
Lab/Sample Number: MCI0516-06 Collect Date: 09/13/22 11:30  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                           | Result | Units | PQL    | Analyzed      | Analyst | Method    | Qualifier |
|-----------------------------------|--------|-------|--------|---------------|---------|-----------|-----------|
| <b>Volatiles (Continued)</b>      |        |       |        |               |         |           |           |
| m+p-Xylene                        | ND     | ug/L  | 0.500  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Methyl ethyl ketone (MEK)         | ND     | ug/L  | 2.50   | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Methyl isobutyl ketone (MIBK)     | ND     | ug/L  | 2.50   | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Methylene chloride                | ND     | ug/L  | 2.50   | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| methyl-t-butyl ether (MTBE)       | ND     | ug/L  | 0.500  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Naphthalene                       | ND     | ug/L  | 0.500  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| n-Butylbenzene                    | ND     | ug/L  | 0.500  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| n-Propylbenzene                   | ND     | ug/L  | 0.500  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| o-Xylene                          | ND     | ug/L  | 0.500  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| p-isopropyltoluene                | ND     | ug/L  | 0.500  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| sec-Butylbenzene                  | ND     | ug/L  | 0.500  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Styrene                           | ND     | ug/L  | 0.500  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| tert-Butylbenzene                 | ND     | ug/L  | 0.500  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Tetrachloroethene                 | ND     | ug/L  | 0.500  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Toluene                           | ND     | ug/L  | 0.500  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| trans-1,2-Dichloroethene          | ND     | ug/L  | 0.500  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| trans-1,3-Dichloropropene         | ND     | ug/L  | 0.500  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Trichloroethene                   | ND     | ug/L  | 0.500  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Trichlorofluoromethane            | ND     | ug/L  | 0.500  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| Vinyl Chloride                    | ND     | ug/L  | 0.500  | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 1,2-Dichlorobenzene-d4 | 100%   |       | 70-130 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 4-Bromofluorobenzene   | 91.0%  |       | 70-130 | 9/21/22 18:07 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: Toluene-d8             | 99.2%  |       | 70-130 | 9/21/22 18:07 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-07 (GWMW-014-220913)  
Lab/Sample Number: MCI0516-07 Collect Date: 09/13/22 10:00  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                            | Result | Units | PQL   | Analyzed      | Analyst | Method    | Qualifier |
|------------------------------------|--------|-------|-------|---------------|---------|-----------|-----------|
| <b>Volatiles</b>                   |        |       |       |               |         |           |           |
| 1,1,1,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,1,1-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,1,2,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,1,2-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethene                 | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,1-dichloropropene                | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,2,3-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,2,3-Trichloropropane             | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,2,4-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,2,4-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,2-Dibromoethane (EDB)            | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,2-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,2-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,3,5-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,3-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,3-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 1,4-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 2,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 2-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 2-hexanone                         | ND     | ug/L  | 2.50  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| 4-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Acetone                            | ND     | ug/L  | 2.50  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Acrylonitrile                      | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Benzene                            | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Bromobenzene                       | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Bromochloromethane                 | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Bromodichloromethane               | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Bromoform                          | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Bromomethane                       | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Carbon disulfide                   | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Carbon Tetrachloride               | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Chlorobenzene                      | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Chloroethane                       | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Chloroform                         | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Chloromethane                      | ND     | ug/L  | 1.00  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| cis-1,2-dichloroethene             | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| cis-1,3-Dichloropropene            | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Dibromochloromethane               | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Dibromomethane                     | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Dichlorodifluoromethane            | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Ethylbenzene                       | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Hexachlorobutadiene                | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Isopropylbenzene                   | ND     | ug/L  | 0.500 | 9/21/22 15:08 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-07 (GWMW-014-220913)  
Lab/Sample Number: MCI0516-07 Collect Date: 09/13/22 10:00  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                           | Result | Units | PQL    | Analyzed      | Analyst | Method    | Qualifier |
|-----------------------------------|--------|-------|--------|---------------|---------|-----------|-----------|
| <b>Volatiles (Continued)</b>      |        |       |        |               |         |           |           |
| m+p-Xylene                        | ND     | ug/L  | 0.500  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Methyl ethyl ketone (MEK)         | ND     | ug/L  | 2.50   | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Methyl isobutyl ketone (MIBK)     | ND     | ug/L  | 2.50   | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Methylene chloride                | ND     | ug/L  | 2.50   | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| methyl-t-butyl ether (MTBE)       | ND     | ug/L  | 0.500  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Naphthalene                       | ND     | ug/L  | 0.500  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| n-Butylbenzene                    | ND     | ug/L  | 0.500  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| n-Propylbenzene                   | ND     | ug/L  | 0.500  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| o-Xylene                          | ND     | ug/L  | 0.500  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| p-isopropyltoluene                | ND     | ug/L  | 0.500  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| sec-Butylbenzene                  | ND     | ug/L  | 0.500  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Styrene                           | ND     | ug/L  | 0.500  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| tert-Butylbenzene                 | ND     | ug/L  | 0.500  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Tetrachloroethene                 | ND     | ug/L  | 0.500  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Toluene                           | ND     | ug/L  | 0.500  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| trans-1,2-Dichloroethene          | ND     | ug/L  | 0.500  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| trans-1,3-Dichloropropene         | ND     | ug/L  | 0.500  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Trichloroethene                   | ND     | ug/L  | 0.500  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Trichlorofluoromethane            | ND     | ug/L  | 0.500  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Vinyl Chloride                    | ND     | ug/L  | 0.500  | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Surrogate: 1,2-Dichlorobenzene-d4 | 101%   |       | 70-130 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Surrogate: 4-Bromofluorobenzene   | 84.4%  |       | 70-130 | 9/21/22 15:08 | BKP     | EPA 8260D |           |
| Surrogate: Toluene-d8             | 93.0%  |       | 70-130 | 9/21/22 15:08 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-08 (GWMW-020-220913)  
Lab/Sample Number: MCI0516-08 Collect Date: 09/13/22 13:10  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                            | Result | Units | PQL   | Analyzed      | Analyst | Method    | Qualifier |
|------------------------------------|--------|-------|-------|---------------|---------|-----------|-----------|
| <b>Volatiles</b>                   |        |       |       |               |         |           |           |
| 1,1,1,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,1,1-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,1,2,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,1,2-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethane                 | 0.670  | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethene                 | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,1-dichloropropene                | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,2,3-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,2,3-Trichloropropane             | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,2,4-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,2,4-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,2-Dibromoethane (EDB)            | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,2-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,2-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,3,5-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,3-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,3-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 1,4-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 2,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 2-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 2-hexanone                         | ND     | ug/L  | 2.50  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| 4-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Acetone                            | ND     | ug/L  | 2.50  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Acrylonitrile                      | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Benzene                            | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Bromobenzene                       | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Bromochloromethane                 | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Bromodichloromethane               | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Bromoform                          | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Bromomethane                       | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Carbon disulfide                   | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Carbon Tetrachloride               | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Chlorobenzene                      | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Chloroethane                       | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Chloroform                         | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Chloromethane                      | ND     | ug/L  | 1.00  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| cis-1,2-dichloroethene             | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| cis-1,3-Dichloropropene            | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Dibromochloromethane               | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Dibromomethane                     | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Dichlorodifluoromethane            | 1.91   | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Ethylbenzene                       | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Hexachlorobutadiene                | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Isopropylbenzene                   | ND     | ug/L  | 0.500 | 9/21/22 18:37 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-08 (GWMW-020-220913)  
Lab/Sample Number: MCI0516-08 Collect Date: 09/13/22 13:10  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                           | Result | Units | PQL    | Analyzed      | Analyst | Method    | Qualifier |
|-----------------------------------|--------|-------|--------|---------------|---------|-----------|-----------|
| <b>Volatiles (Continued)</b>      |        |       |        |               |         |           |           |
| m+p-Xylene                        | ND     | ug/L  | 0.500  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Methyl ethyl ketone (MEK)         | ND     | ug/L  | 2.50   | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Methyl isobutyl ketone (MIBK)     | ND     | ug/L  | 2.50   | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Methylene chloride                | ND     | ug/L  | 2.50   | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| methyl-t-butyl ether (MTBE)       | ND     | ug/L  | 0.500  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Naphthalene                       | ND     | ug/L  | 0.500  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| n-Butylbenzene                    | ND     | ug/L  | 0.500  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| n-Propylbenzene                   | ND     | ug/L  | 0.500  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| o-Xylene                          | ND     | ug/L  | 0.500  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| p-isopropyltoluene                | ND     | ug/L  | 0.500  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| sec-Butylbenzene                  | ND     | ug/L  | 0.500  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Styrene                           | ND     | ug/L  | 0.500  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| tert-Butylbenzene                 | ND     | ug/L  | 0.500  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Tetrachloroethene                 | ND     | ug/L  | 0.500  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Toluene                           | ND     | ug/L  | 0.500  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| trans-1,2-Dichloroethene          | ND     | ug/L  | 0.500  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| trans-1,3-Dichloropropene         | ND     | ug/L  | 0.500  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Trichloroethene                   | ND     | ug/L  | 0.500  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Trichlorofluoromethane            | ND     | ug/L  | 0.500  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| Vinyl Chloride                    | ND     | ug/L  | 0.500  | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 1,2-Dichlorobenzene-d4 | 102%   |       | 70-130 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 4-Bromofluorobenzene   | 90.1%  |       | 70-130 | 9/21/22 18:37 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: Toluene-d8             | 96.9%  |       | 70-130 | 9/21/22 18:37 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-09 (GWMW-009-220914)  
Lab/Sample Number: MCI0516-09 Collect Date: 09/14/22 10:15  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                            | Result | Units | PQL   | Analyzed      | Analyst | Method    | Qualifier |
|------------------------------------|--------|-------|-------|---------------|---------|-----------|-----------|
| <b>Volatiles</b>                   |        |       |       |               |         |           |           |
| 1,1,1,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,1,1-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,1,2,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,1,2-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethene                 | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,1-dichloropropene                | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,2,3-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,2,3-Trichloropropane             | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,2,4-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,2,4-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,2-Dibromoethane (EDB)            | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,2-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,2-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,3,5-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,3-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,3-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 1,4-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 2,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 2-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 2-hexanone                         | ND     | ug/L  | 2.50  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| 4-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Acetone                            | ND     | ug/L  | 2.50  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Acrylonitrile                      | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Benzene                            | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Bromobenzene                       | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Bromochloromethane                 | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Bromodichloromethane               | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Bromoform                          | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Bromomethane                       | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Carbon disulfide                   | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Carbon Tetrachloride               | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Chlorobenzene                      | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Chloroethane                       | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Chloroform                         | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Chloromethane                      | ND     | ug/L  | 1.00  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| cis-1,2-dichloroethene             | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| cis-1,3-Dichloropropene            | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Dibromochloromethane               | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Dibromomethane                     | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Dichlorodifluoromethane            | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Ethylbenzene                       | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Hexachlorobutadiene                | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Isopropylbenzene                   | ND     | ug/L  | 0.500 | 9/21/22 19:07 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-09 (GWMW-009-220914)  
Lab/Sample Number: MCI0516-09 Collect Date: 09/14/22 10:15  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                           | Result | Units | PQL    | Analyzed      | Analyst | Method    | Qualifier |
|-----------------------------------|--------|-------|--------|---------------|---------|-----------|-----------|
| <b>Volatiles (Continued)</b>      |        |       |        |               |         |           |           |
| m+p-Xylene                        | ND     | ug/L  | 0.500  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Methyl ethyl ketone (MEK)         | ND     | ug/L  | 2.50   | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Methyl isobutyl ketone (MIBK)     | ND     | ug/L  | 2.50   | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Methylene chloride                | ND     | ug/L  | 2.50   | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| methyl-t-butyl ether (MTBE)       | ND     | ug/L  | 0.500  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Naphthalene                       | ND     | ug/L  | 0.500  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| n-Butylbenzene                    | ND     | ug/L  | 0.500  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| n-Propylbenzene                   | ND     | ug/L  | 0.500  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| o-Xylene                          | ND     | ug/L  | 0.500  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| p-isopropyltoluene                | ND     | ug/L  | 0.500  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| sec-Butylbenzene                  | ND     | ug/L  | 0.500  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Styrene                           | ND     | ug/L  | 0.500  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| tert-Butylbenzene                 | ND     | ug/L  | 0.500  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Tetrachloroethene                 | ND     | ug/L  | 0.500  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Toluene                           | ND     | ug/L  | 0.500  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| trans-1,2-Dichloroethene          | ND     | ug/L  | 0.500  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| trans-1,3-Dichloropropene         | ND     | ug/L  | 0.500  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Trichloroethene                   | ND     | ug/L  | 0.500  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Trichlorofluoromethane            | ND     | ug/L  | 0.500  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| Vinyl Chloride                    | ND     | ug/L  | 0.500  | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 1,2-Dichlorobenzene-d4 | 102%   |       | 70-130 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 4-Bromofluorobenzene   | 90.2%  |       | 70-130 | 9/21/22 19:07 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: Toluene-d8             | 89.3%  |       | 70-130 | 9/21/22 19:07 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-10 (GWMW-010-220914)  
Lab/Sample Number: MCI0516-10 Collect Date: 09/14/22 09:30  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                            | Result | Units | PQL   | Analyzed      | Analyst | Method    | Qualifier |
|------------------------------------|--------|-------|-------|---------------|---------|-----------|-----------|
| <b>Volatiles</b>                   |        |       |       |               |         |           |           |
| 1,1,1,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,1,1-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,1,2,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,1,2-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethene                 | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,1-dichloropropene                | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,2,3-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,2,3-Trichloropropane             | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,2,4-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,2,4-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,2-Dibromoethane (EDB)            | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,2-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,2-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,3,5-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,3-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,3-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 1,4-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 2,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 2-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 2-hexanone                         | ND     | ug/L  | 2.50  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| 4-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Acetone                            | ND     | ug/L  | 2.50  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Acrylonitrile                      | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Benzene                            | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Bromobenzene                       | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Bromochloromethane                 | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Bromodichloromethane               | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Bromoform                          | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Bromomethane                       | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Carbon disulfide                   | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Carbon Tetrachloride               | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Chlorobenzene                      | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Chloroethane                       | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Chloroform                         | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Chloromethane                      | 1.00   | ug/L  | 1.00  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| cis-1,2-dichloroethene             | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| cis-1,3-Dichloropropene            | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Dibromochloromethane               | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Dibromomethane                     | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Dichlorodifluoromethane            | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Ethylbenzene                       | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Hexachlorobutadiene                | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Isopropylbenzene                   | ND     | ug/L  | 0.500 | 9/21/22 19:37 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-10 (GWMW-010-220914)  
Lab/Sample Number: MCI0516-10 Collect Date: 09/14/22 09:30  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                           | Result | Units | PQL    | Analyzed      | Analyst | Method    | Qualifier |
|-----------------------------------|--------|-------|--------|---------------|---------|-----------|-----------|
| <b>Volatiles (Continued)</b>      |        |       |        |               |         |           |           |
| m+p-Xylene                        | ND     | ug/L  | 0.500  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Methyl ethyl ketone (MEK)         | ND     | ug/L  | 2.50   | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Methyl isobutyl ketone (MIBK)     | ND     | ug/L  | 2.50   | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Methylene chloride                | ND     | ug/L  | 2.50   | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| methyl-t-butyl ether (MTBE)       | ND     | ug/L  | 0.500  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Naphthalene                       | ND     | ug/L  | 0.500  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| n-Butylbenzene                    | ND     | ug/L  | 0.500  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| n-Propylbenzene                   | ND     | ug/L  | 0.500  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| o-Xylene                          | ND     | ug/L  | 0.500  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| p-isopropyltoluene                | ND     | ug/L  | 0.500  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| sec-Butylbenzene                  | ND     | ug/L  | 0.500  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Styrene                           | ND     | ug/L  | 0.500  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| tert-Butylbenzene                 | ND     | ug/L  | 0.500  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Tetrachloroethene                 | ND     | ug/L  | 0.500  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Toluene                           | ND     | ug/L  | 0.500  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| trans-1,2-Dichloroethene          | ND     | ug/L  | 0.500  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| trans-1,3-Dichloropropene         | ND     | ug/L  | 0.500  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Trichloroethene                   | ND     | ug/L  | 0.500  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Trichlorofluoromethane            | ND     | ug/L  | 0.500  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Vinyl Chloride                    | ND     | ug/L  | 0.500  | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Surrogate: 1,2-Dichlorobenzene-d4 | 103%   |       | 70-130 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Surrogate: 4-Bromofluorobenzene   | 90.9%  |       | 70-130 | 9/21/22 19:37 | BKP     | EPA 8260D |           |
| Surrogate: Toluene-d8             | 91.0%  |       | 70-130 | 9/21/22 19:37 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-11 (MWS-1-1-220914)  
Lab/Sample Number: MCI0516-11 Collect Date: 09/14/22 09:45  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                            | Result | Units | PQL   | Analyzed      | Analyst | Method    | Qualifier |
|------------------------------------|--------|-------|-------|---------------|---------|-----------|-----------|
| <b>Volatiles</b>                   |        |       |       |               |         |           |           |
| 1,1,1,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,1,1-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,1,2,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,1,2-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethene                 | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,1-dichloropropene                | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,2,3-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,2,3-Trichloropropane             | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,2,4-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,2,4-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,2-Dibromoethane (EDB)            | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,2-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,2-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,3,5-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,3-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,3-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 1,4-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 2,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 2-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 2-hexanone                         | ND     | ug/L  | 2.50  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| 4-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Acetone                            | ND     | ug/L  | 2.50  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Acrylonitrile                      | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Benzene                            | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Bromobenzene                       | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Bromochloromethane                 | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Bromodichloromethane               | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Bromoform                          | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Bromomethane                       | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Carbon disulfide                   | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Carbon Tetrachloride               | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Chlorobenzene                      | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Chloroethane                       | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Chloroform                         | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Chloromethane                      | ND     | ug/L  | 1.00  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| cis-1,2-dichloroethene             | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| cis-1,3-Dichloropropene            | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Dibromochloromethane               | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Dibromomethane                     | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Dichlorodifluoromethane            | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Ethylbenzene                       | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Hexachlorobutadiene                | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Isopropylbenzene                   | ND     | ug/L  | 0.500 | 9/21/22 20:06 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-11 (MWS-1-1-220914)  
Lab/Sample Number: MCI0516-11 Collect Date: 09/14/22 09:45  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                           | Result | Units | PQL    | Analyzed      | Analyst | Method    | Qualifier |
|-----------------------------------|--------|-------|--------|---------------|---------|-----------|-----------|
| <b>Volatiles (Continued)</b>      |        |       |        |               |         |           |           |
| m+p-Xylene                        | ND     | ug/L  | 0.500  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Methyl ethyl ketone (MEK)         | ND     | ug/L  | 2.50   | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Methyl isobutyl ketone (MIBK)     | ND     | ug/L  | 2.50   | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Methylene chloride                | ND     | ug/L  | 2.50   | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| methyl-t-butyl ether (MTBE)       | ND     | ug/L  | 0.500  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Naphthalene                       | ND     | ug/L  | 0.500  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| n-Butylbenzene                    | ND     | ug/L  | 0.500  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| n-Propylbenzene                   | ND     | ug/L  | 0.500  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| o-Xylene                          | ND     | ug/L  | 0.500  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| p-isopropyltoluene                | ND     | ug/L  | 0.500  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| sec-Butylbenzene                  | ND     | ug/L  | 0.500  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Styrene                           | ND     | ug/L  | 0.500  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| tert-Butylbenzene                 | ND     | ug/L  | 0.500  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Tetrachloroethene                 | ND     | ug/L  | 0.500  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Toluene                           | ND     | ug/L  | 0.500  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| trans-1,2-Dichloroethene          | ND     | ug/L  | 0.500  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| trans-1,3-Dichloropropene         | ND     | ug/L  | 0.500  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Trichloroethene                   | ND     | ug/L  | 0.500  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Trichlorofluoromethane            | ND     | ug/L  | 0.500  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| Vinyl Chloride                    | ND     | ug/L  | 0.500  | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 1,2-Dichlorobenzene-d4 | 102%   |       | 70-130 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 4-Bromofluorobenzene   | 84.4%  |       | 70-130 | 9/21/22 20:06 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: Toluene-d8             | 90.0%  |       | 70-130 | 9/21/22 20:06 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-12 (GWMW-016-220914)  
Lab/Sample Number: MCI0516-12 Collect Date: 09/14/22 12:00  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                            | Result | Units | PQL   | Analyzed      | Analyst | Method    | Qualifier |
|------------------------------------|--------|-------|-------|---------------|---------|-----------|-----------|
| <b>Volatiles</b>                   |        |       |       |               |         |           |           |
| 1,1,1,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,1,1-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,1,2,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,1,2-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethane                 | 7.05   | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethene                 | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,1-dichloropropene                | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,2,3-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,2,3-Trichloropropane             | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,2,4-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,2,4-Trimethylbenzene             | 9.72   | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,2-Dibromoethane (EDB)            | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,2-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,2-Dichloroethane                 | 2.42   | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,2-Dichloropropane                | 14.4   | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,3,5-Trimethylbenzene             | 3.57   | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,3-Dichlorobenzene                | 1.48   | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,3-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 1,4-Dichlorobenzene                | 1.67   | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 2,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 2-Chlorotoluene                    | 0.750  | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 2-hexanone                         | ND     | ug/L  | 2.50  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| 4-Chlorotoluene                    | 1.04   | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Acetone                            | 304    | ug/L  | 25.0  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Acrylonitrile                      | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Benzene                            | 12.7   | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Bromobenzene                       | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Bromochloromethane                 | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Bromodichloromethane               | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Bromoform                          | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Bromomethane                       | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Carbon disulfide                   | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Carbon Tetrachloride               | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Chlorobenzene                      | 1.39   | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Chloroethane                       | 9.92   | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Chloroform                         | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Chloromethane                      | ND     | ug/L  | 1.00  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| cis-1,2-dichloroethene             | 2.95   | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| cis-1,3-Dichloropropene            | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Dibromochloromethane               | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Dibromomethane                     | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Dichlorodifluoromethane            | 3.10   | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Ethylbenzene                       | 48.8   | ug/L  | 5.00  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Hexachlorobutadiene                | ND     | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Isopropylbenzene                   | 4.86   | ug/L  | 0.500 | 9/21/22 20:36 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-12 (GWMW-016-220914)  
Lab/Sample Number: MCI0516-12 Collect Date: 09/14/22 12:00  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                           | Result | Units | PQL    | Analyzed      | Analyst | Method    | Qualifier |
|-----------------------------------|--------|-------|--------|---------------|---------|-----------|-----------|
| <b>Volatiles (Continued)</b>      |        |       |        |               |         |           |           |
| m+p-Xylene                        | 43.6   | ug/L  | 0.500  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Methyl ethyl ketone (MEK)         | 90.5   | ug/L  | 25.0   | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Methyl isobutyl ketone (MIBK)     | ND     | ug/L  | 2.50   | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Methylene chloride                | ND     | ug/L  | 2.50   | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| methyl-t-butyl ether (MTBE)       | ND     | ug/L  | 0.500  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Naphthalene                       | 20.9   | ug/L  | 0.500  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| n-Butylbenzene                    | ND     | ug/L  | 0.500  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| n-Propylbenzene                   | 1.19   | ug/L  | 0.500  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| o-Xylene                          | 20.4   | ug/L  | 0.500  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| p-isopropyltoluene                | 6.24   | ug/L  | 0.500  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| sec-Butylbenzene                  | ND     | ug/L  | 0.500  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Styrene                           | 0.770  | ug/L  | 0.500  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| tert-Butylbenzene                 | ND     | ug/L  | 0.500  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Tetrachloroethene                 | ND     | ug/L  | 0.500  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Toluene                           | 8.09   | ug/L  | 0.500  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| trans-1,2-Dichloroethene          | 1.54   | ug/L  | 0.500  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| trans-1,3-Dichloropropene         | ND     | ug/L  | 0.500  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Trichloroethene                   | 0.530  | ug/L  | 0.500  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Trichlorofluoromethane            | 0.650  | ug/L  | 0.500  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| Vinyl Chloride                    | 0.910  | ug/L  | 0.500  | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 1,2-Dichlorobenzene-d4 | 107%   |       | 70-130 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: 4-Bromofluorobenzene   | 105%   |       | 70-130 | 9/21/22 20:36 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |               |         |           |           |
| Surrogate: Toluene-d8             | 104%   |       | 70-130 | 9/21/22 20:36 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-13 (GWMW-019R-220914)  
Lab/Sample Number: MCI0516-13 Collect Date: 09/14/22 12:01  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                            | Result | Units | PQL   | Analyzed      | Analyst | Method    | Qualifier |
|------------------------------------|--------|-------|-------|---------------|---------|-----------|-----------|
| <b>Volatiles</b>                   |        |       |       |               |         |           |           |
| 1,1,1,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,1,1-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,1,2,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,1,2-Trichloroethane              | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethene                 | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,1-dichloropropene                | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,2,3-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,2,3-Trichloropropane             | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,2,4-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,2,4-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,2-Dibromoethane (EDB)            | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,2-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,2-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,3,5-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,3-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,3-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 1,4-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 2,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 2-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 2-hexanone                         | ND     | ug/L  | 2.50  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| 4-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Acetone                            | ND     | ug/L  | 2.50  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Acrylonitrile                      | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Benzene                            | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Bromobenzene                       | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Bromochloromethane                 | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Bromodichloromethane               | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Bromoform                          | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Bromomethane                       | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Carbon disulfide                   | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Carbon Tetrachloride               | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Chlorobenzene                      | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Chloroethane                       | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Chloroform                         | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Chloromethane                      | ND     | ug/L  | 1.00  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| cis-1,2-dichloroethene             | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| cis-1,3-Dichloropropene            | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Dibromochloromethane               | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Dibromomethane                     | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Dichlorodifluoromethane            | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Ethylbenzene                       | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Hexachlorobutadiene                | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Isopropylbenzene                   | ND     | ug/L  | 0.500 | 9/21/22 23:33 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-13 (GWMW-019R-220914)  
Lab/Sample Number: MCI0516-13 Collect Date: 09/14/22 12:01  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                           | Result | Units | PQL    | Analyzed      | Analyst | Method    | Qualifier |
|-----------------------------------|--------|-------|--------|---------------|---------|-----------|-----------|
| <b>Volatiles (Continued)</b>      |        |       |        |               |         |           |           |
| m+p-Xylene                        | ND     | ug/L  | 0.500  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Methyl ethyl ketone (MEK)         | ND     | ug/L  | 2.50   | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Methyl isobutyl ketone (MIBK)     | ND     | ug/L  | 2.50   | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Methylene chloride                | ND     | ug/L  | 2.50   | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| methyl-t-butyl ether (MTBE)       | ND     | ug/L  | 0.500  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Naphthalene                       | ND     | ug/L  | 0.500  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| n-Butylbenzene                    | ND     | ug/L  | 0.500  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| n-Propylbenzene                   | ND     | ug/L  | 0.500  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| o-Xylene                          | ND     | ug/L  | 0.500  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| p-isopropyltoluene                | ND     | ug/L  | 0.500  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| sec-Butylbenzene                  | ND     | ug/L  | 0.500  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Styrene                           | ND     | ug/L  | 0.500  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| tert-Butylbenzene                 | ND     | ug/L  | 0.500  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Tetrachloroethene                 | ND     | ug/L  | 0.500  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Toluene                           | ND     | ug/L  | 0.500  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| trans-1,2-Dichloroethene          | ND     | ug/L  | 0.500  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| trans-1,3-Dichloropropene         | ND     | ug/L  | 0.500  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Trichloroethene                   | ND     | ug/L  | 0.500  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Trichlorofluoromethane            | ND     | ug/L  | 0.500  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Vinyl Chloride                    | ND     | ug/L  | 0.500  | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Surrogate: 1,2-Dichlorobenzene-d4 | 100%   |       | 70-130 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Surrogate: 4-Bromofluorobenzene   | 96.9%  |       | 70-130 | 9/21/22 23:33 | BKP     | EPA 8260D |           |
| Surrogate: Toluene-d8             | 95.3%  |       | 70-130 | 9/21/22 23:33 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-14 (GWMW-023-220914)  
Lab/Sample Number: MCI0516-14 Collect Date: 09/14/22 09:55  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                            | Result | Units | PQL   | Analyzed     | Analyst | Method    | Qualifier |
|------------------------------------|--------|-------|-------|--------------|---------|-----------|-----------|
| <b>Volatiles</b>                   |        |       |       |              |         |           |           |
| 1,1,1,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,1,1-Trichloroethane              | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,1,2,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,1,2-Trichloroethane              | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethane                 | 1.53   | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethene                 | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,1-dichloropropene                | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,2,3-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,2,3-Trichloropropane             | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,2,4-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,2,4-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,2-Dibromoethane (EDB)            | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,2-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,2-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,3,5-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,3-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,3-Dichloropropane                | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 1,4-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 2,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 2-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 2-hexanone                         | ND     | ug/L  | 2.50  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| 4-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Acetone                            | ND     | ug/L  | 2.50  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Acrylonitrile                      | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Benzene                            | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Bromobenzene                       | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Bromochloromethane                 | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Bromodichloromethane               | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Bromoform                          | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Bromomethane                       | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Carbon disulfide                   | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Carbon Tetrachloride               | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Chlorobenzene                      | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Chloroethane                       | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Chloroform                         | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Chloromethane                      | ND     | ug/L  | 1.00  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| cis-1,2-dichloroethene             | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| cis-1,3-Dichloropropene            | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Dibromochloromethane               | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Dibromomethane                     | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Dichlorodifluoromethane            | 1.42   | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Ethylbenzene                       | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Hexachlorobutadiene                | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Isopropylbenzene                   | ND     | ug/L  | 0.500 | 9/22/22 0:02 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-14 (GWMW-023-220914)  
Lab/Sample Number: MCI0516-14 Collect Date: 09/14/22 09:55  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                           | Result | Units | PQL    | Analyzed     | Analyst | Method    | Qualifier |
|-----------------------------------|--------|-------|--------|--------------|---------|-----------|-----------|
| <b>Volatiles (Continued)</b>      |        |       |        |              |         |           |           |
| m+p-Xylene                        | ND     | ug/L  | 0.500  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Methyl ethyl ketone (MEK)         | ND     | ug/L  | 2.50   | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Methyl isobutyl ketone (MIBK)     | ND     | ug/L  | 2.50   | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Methylene chloride                | ND     | ug/L  | 2.50   | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| methyl-t-butyl ether (MTBE)       | ND     | ug/L  | 0.500  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Naphthalene                       | ND     | ug/L  | 0.500  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| n-Butylbenzene                    | ND     | ug/L  | 0.500  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| n-Propylbenzene                   | ND     | ug/L  | 0.500  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| o-Xylene                          | ND     | ug/L  | 0.500  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| p-isopropyltoluene                | ND     | ug/L  | 0.500  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| sec-Butylbenzene                  | ND     | ug/L  | 0.500  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Styrene                           | ND     | ug/L  | 0.500  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| tert-Butylbenzene                 | ND     | ug/L  | 0.500  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Tetrachloroethene                 | ND     | ug/L  | 0.500  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Toluene                           | ND     | ug/L  | 0.500  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| trans-1,2-Dichloroethene          | ND     | ug/L  | 0.500  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| trans-1,3-Dichloropropene         | ND     | ug/L  | 0.500  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Trichloroethene                   | ND     | ug/L  | 0.500  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Trichlorofluoromethane            | ND     | ug/L  | 0.500  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| Vinyl Chloride                    | ND     | ug/L  | 0.500  | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |              |         |           |           |
| Surrogate: 1,2-Dichlorobenzene-d4 | 102%   |       | 70-130 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |              |         |           |           |
| Surrogate: 4-Bromofluorobenzene   | 86.6%  |       | 70-130 | 9/22/22 0:02 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |              |         |           |           |
| Surrogate: Toluene-d8             | 101%   |       | 70-130 | 9/22/22 0:02 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-15 (GWMW-029-220914)  
Lab/Sample Number: MCI0516-15 Collect Date: 09/14/22 11:07  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                            | Result | Units | PQL   | Analyzed     | Analyst | Method    | Qualifier |
|------------------------------------|--------|-------|-------|--------------|---------|-----------|-----------|
| <b>Volatiles</b>                   |        |       |       |              |         |           |           |
| 1,1,1,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,1,1-Trichloroethane              | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,1,2,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,1,2-Trichloroethane              | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethene                 | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,1-dichloropropene                | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,2,3-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,2,3-Trichloropropane             | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,2,4-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,2,4-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,2-Dibromoethane (EDB)            | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,2-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,2-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,3,5-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,3-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,3-Dichloropropane                | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 1,4-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 2,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 2-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 2-hexanone                         | ND     | ug/L  | 2.50  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| 4-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Acetone                            | ND     | ug/L  | 2.50  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Acrylonitrile                      | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Benzene                            | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Bromobenzene                       | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Bromochloromethane                 | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Bromodichloromethane               | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Bromoform                          | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Bromomethane                       | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Carbon disulfide                   | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Carbon Tetrachloride               | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Chlorobenzene                      | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Chloroethane                       | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Chloroform                         | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Chloromethane                      | ND     | ug/L  | 1.00  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| cis-1,2-dichloroethene             | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| cis-1,3-Dichloropropene            | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Dibromochloromethane               | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Dibromomethane                     | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Dichlorodifluoromethane            | 1.92   | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Ethylbenzene                       | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Hexachlorobutadiene                | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Isopropylbenzene                   | ND     | ug/L  | 0.500 | 9/22/22 0:31 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-15 (GWMW-029-220914)  
Lab/Sample Number: MCI0516-15 Collect Date: 09/14/22 11:07  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                           | Result | Units | PQL    | Analyzed     | Analyst | Method    | Qualifier |
|-----------------------------------|--------|-------|--------|--------------|---------|-----------|-----------|
| <b>Volatiles (Continued)</b>      |        |       |        |              |         |           |           |
| m+p-Xylene                        | ND     | ug/L  | 0.500  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Methyl ethyl ketone (MEK)         | ND     | ug/L  | 2.50   | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Methyl isobutyl ketone (MIBK)     | ND     | ug/L  | 2.50   | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Methylene chloride                | ND     | ug/L  | 2.50   | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| methyl-t-butyl ether (MTBE)       | ND     | ug/L  | 0.500  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Naphthalene                       | ND     | ug/L  | 0.500  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| n-Butylbenzene                    | ND     | ug/L  | 0.500  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| n-Propylbenzene                   | ND     | ug/L  | 0.500  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| o-Xylene                          | ND     | ug/L  | 0.500  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| p-isopropyltoluene                | ND     | ug/L  | 0.500  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| sec-Butylbenzene                  | ND     | ug/L  | 0.500  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Styrene                           | ND     | ug/L  | 0.500  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| tert-Butylbenzene                 | ND     | ug/L  | 0.500  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Tetrachloroethene                 | 0.590  | ug/L  | 0.500  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Toluene                           | ND     | ug/L  | 0.500  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| trans-1,2-Dichloroethene          | ND     | ug/L  | 0.500  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| trans-1,3-Dichloropropene         | ND     | ug/L  | 0.500  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Trichloroethene                   | ND     | ug/L  | 0.500  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Trichlorofluoromethane            | ND     | ug/L  | 0.500  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Vinyl Chloride                    | ND     | ug/L  | 0.500  | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Surrogate: 1,2-Dichlorobenzene-d4 | 101%   |       | 70-130 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Surrogate: 4-Bromofluorobenzene   | 85.8%  |       | 70-130 | 9/22/22 0:31 | BKP     | EPA 8260D |           |
| Surrogate: Toluene-d8             | 95.9%  |       | 70-130 | 9/22/22 0:31 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-16 (MWS-1-2-220914)  
Lab/Sample Number: MCI0516-16 Collect Date: 09/14/22 09:39  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                            | Result | Units | PQL   | Analyzed     | Analyst | Method    | Qualifier |
|------------------------------------|--------|-------|-------|--------------|---------|-----------|-----------|
| <b>Volatiles</b>                   |        |       |       |              |         |           |           |
| 1,1,1,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,1,1-Trichloroethane              | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,1,2,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,1,2-Trichloroethane              | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethane                 | 1.33   | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethene                 | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,1-dichloropropene                | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,2,3-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,2,3-Trichloropropane             | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,2,4-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,2,4-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,2-Dibromoethane (EDB)            | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,2-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,2-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,3,5-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,3-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,3-Dichloropropane                | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 1,4-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 2,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 2-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 2-hexanone                         | ND     | ug/L  | 2.50  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| 4-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Acetone                            | ND     | ug/L  | 2.50  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Acrylonitrile                      | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Benzene                            | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Bromobenzene                       | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Bromochloromethane                 | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Bromodichloromethane               | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Bromoform                          | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Bromomethane                       | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Carbon disulfide                   | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Carbon Tetrachloride               | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Chlorobenzene                      | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Chloroethane                       | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Chloroform                         | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Chloromethane                      | ND     | ug/L  | 1.00  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| cis-1,2-dichloroethene             | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| cis-1,3-Dichloropropene            | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Dibromochloromethane               | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Dibromomethane                     | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Dichlorodifluoromethane            | 1.15   | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Ethylbenzene                       | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Hexachlorobutadiene                | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Isopropylbenzene                   | ND     | ug/L  | 0.500 | 9/22/22 1:00 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-16 (MWS-1-2-220914)  
Lab/Sample Number: MCI0516-16 Collect Date: 09/14/22 09:39  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                           | Result | Units | PQL    | Analyzed     | Analyst | Method    | Qualifier |
|-----------------------------------|--------|-------|--------|--------------|---------|-----------|-----------|
| <b>Volatiles (Continued)</b>      |        |       |        |              |         |           |           |
| m+p-Xylene                        | ND     | ug/L  | 0.500  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Methyl ethyl ketone (MEK)         | ND     | ug/L  | 2.50   | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Methyl isobutyl ketone (MIBK)     | ND     | ug/L  | 2.50   | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Methylene chloride                | ND     | ug/L  | 2.50   | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| methyl-t-butyl ether (MTBE)       | ND     | ug/L  | 0.500  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Naphthalene                       | ND     | ug/L  | 0.500  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| n-Butylbenzene                    | ND     | ug/L  | 0.500  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| n-Propylbenzene                   | ND     | ug/L  | 0.500  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| o-Xylene                          | ND     | ug/L  | 0.500  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| p-isopropyltoluene                | ND     | ug/L  | 0.500  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| sec-Butylbenzene                  | ND     | ug/L  | 0.500  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Styrene                           | ND     | ug/L  | 0.500  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| tert-Butylbenzene                 | ND     | ug/L  | 0.500  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Tetrachloroethene                 | ND     | ug/L  | 0.500  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Toluene                           | ND     | ug/L  | 0.500  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| trans-1,2-Dichloroethene          | ND     | ug/L  | 0.500  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| trans-1,3-Dichloropropene         | ND     | ug/L  | 0.500  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Trichloroethene                   | ND     | ug/L  | 0.500  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Trichlorofluoromethane            | ND     | ug/L  | 0.500  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| Vinyl Chloride                    | ND     | ug/L  | 0.500  | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |              |         |           |           |
| Surrogate: 1,2-Dichlorobenzene-d4 | 104%   |       | 70-130 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |              |         |           |           |
| Surrogate: 4-Bromofluorobenzene   | 103%   |       | 70-130 | 9/22/22 1:00 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |              |         |           |           |
| Surrogate: Toluene-d8             | 89.2%  |       | 70-130 | 9/22/22 1:00 | BKP     | EPA 8260D |           |

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## Analytical Results Report

(Continued)

Sample Location: X2I0265-17 (MWS-2-1-220914)  
Lab/Sample Number: MCI0516-17 Collect Date: 09/14/22 00:00  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                            | Result | Units | PQL   | Analyzed     | Analyst | Method    | Qualifier |
|------------------------------------|--------|-------|-------|--------------|---------|-----------|-----------|
| <b>Volatiles</b>                   |        |       |       |              |         |           |           |
| 1,1,1,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,1,1-Trichloroethane              | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,1,2,2-Tetrachloroethane          | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,1,2-Trichloroethane              | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,1-Dichloroethene                 | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,1-dichloropropene                | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,2,3-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,2,3-Trichloropropane             | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,2,4-Trichlorobenzene             | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,2,4-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,2-Dibromoethane (EDB)            | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,2-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,2-Dichloroethane                 | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,3,5-Trimethylbenzene             | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,3-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,3-Dichloropropane                | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 1,4-Dichlorobenzene                | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 2,2-Dichloropropane                | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 2-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 2-hexanone                         | ND     | ug/L  | 2.50  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| 4-Chlorotoluene                    | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Acetone                            | ND     | ug/L  | 2.50  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Acrylonitrile                      | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Benzene                            | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Bromobenzene                       | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Bromochloromethane                 | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Bromodichloromethane               | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Bromoform                          | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Bromomethane                       | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Carbon disulfide                   | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Carbon Tetrachloride               | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Chlorobenzene                      | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Chloroethane                       | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Chloroform                         | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Chloromethane                      | ND     | ug/L  | 1.00  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| cis-1,2-dichloroethene             | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| cis-1,3-Dichloropropene            | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Dibromochloromethane               | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Dibromomethane                     | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Dichlorodifluoromethane            | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Ethylbenzene                       | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Hexachlorobutadiene                | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Isopropylbenzene                   | ND     | ug/L  | 0.500 | 9/22/22 1:30 | BKP     | EPA 8260D |           |

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## Analytical Results Report (Continued)

Sample Location: X2I0265-17 (MWS-2-1-220914)  
Lab/Sample Number: MCI0516-17 Collect Date: 09/14/22 00:00  
Date Received: 09/15/22 11:11 Collected By: GF/ MT  
Matrix: Water

| Analyte                           | Result | Units | PQL    | Analyzed     | Analyst | Method    | Qualifier |
|-----------------------------------|--------|-------|--------|--------------|---------|-----------|-----------|
| <b>Volatiles (Continued)</b>      |        |       |        |              |         |           |           |
| m+p-Xylene                        | ND     | ug/L  | 0.500  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Methyl ethyl ketone (MEK)         | ND     | ug/L  | 2.50   | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Methyl isobutyl ketone (MIBK)     | ND     | ug/L  | 2.50   | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Methylene chloride                | ND     | ug/L  | 2.50   | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| methyl-t-butyl ether (MTBE)       | ND     | ug/L  | 0.500  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Naphthalene                       | ND     | ug/L  | 0.500  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| n-Butylbenzene                    | ND     | ug/L  | 0.500  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| n-Propylbenzene                   | ND     | ug/L  | 0.500  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| o-Xylene                          | ND     | ug/L  | 0.500  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| p-isopropyltoluene                | ND     | ug/L  | 0.500  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| sec-Butylbenzene                  | ND     | ug/L  | 0.500  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Styrene                           | ND     | ug/L  | 0.500  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| tert-Butylbenzene                 | ND     | ug/L  | 0.500  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Tetrachloroethene                 | ND     | ug/L  | 0.500  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Toluene                           | ND     | ug/L  | 0.500  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| trans-1,2-Dichloroethene          | ND     | ug/L  | 0.500  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| trans-1,3-Dichloropropene         | ND     | ug/L  | 0.500  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Trichloroethene                   | ND     | ug/L  | 0.500  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Trichlorofluoromethane            | ND     | ug/L  | 0.500  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| Vinyl Chloride                    | ND     | ug/L  | 0.500  | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |              |         |           |           |
| Surrogate: 1,2-Dichlorobenzene-d4 | 84.6%  |       | 70-130 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |              |         |           |           |
| Surrogate: 4-Bromofluorobenzene   | 90.0%  |       | 70-130 | 9/22/22 1:30 | BKP     | EPA 8260D |           |
| <hr/>                             |        |       |        |              |         |           |           |
| Surrogate: Toluene-d8             | 92.7%  |       | 70-130 | 9/22/22 1:30 | BKP     | EPA 8260D |           |

Authorized Signature,



Justin Doty For Todd Taruscio, Laboratory Manager

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|     |                                               |
|-----|-----------------------------------------------|
| R1  | RPD/RSD exceeded the method acceptance limit  |
| PQL | Practical Quantitation Limit                  |
| ND  | Not Detected                                  |
| MCL | EPA's Maximum Contaminant Level               |
| Dry | Sample results reported on a dry weight basis |
| *   | Not a state-certified analyte                 |

|        |                                       |
|--------|---------------------------------------|
| RPD    | Relative Percent Difference           |
| %REC   | Percent Recovery                      |
| Source | Sample that was spiked or duplicated. |

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The results reported related only to the samples indicated.

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## Quality Control Data

### Semivolatiles

| Analyte                                 | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD  | RPD Limit |
|-----------------------------------------|--------|------|-----------------|-------|-------------|---------------|------|-------------|------|-----------|
| <b>Batch: BCI0654 - SVOC Water</b>      |        |      |                 |       |             |               |      |             |      |           |
| <b>Blank (BCI0654-BLK1)</b>             |        |      |                 |       |             |               |      |             |      |           |
| Di (2-ethylhexyl) phthalate             | ND     |      | 0.500           | ug/L  |             |               |      |             |      |           |
| Prepared: 9/20/2022 Analyzed: 9/29/2022 |        |      |                 |       |             |               |      |             |      |           |
| <b>LCS (BCI0654-BS1)</b>                |        |      |                 |       |             |               |      |             |      |           |
| Di (2-ethylhexyl) phthalate             | 5.05   |      | 0.500           | ug/L  | 5.00        |               | 101  | 60-144      |      |           |
| Prepared: 9/20/2022 Analyzed: 9/29/2022 |        |      |                 |       |             |               |      |             |      |           |
| <b>LCS Dup (BCI0654-BSD1)</b>           |        |      |                 |       |             |               |      |             |      |           |
| Di (2-ethylhexyl) phthalate             | 5.12   |      | 0.500           | ug/L  | 5.00        |               | 102  | 60-144      | 1.38 | 32        |

## Quality Control Data

### Volatiles

| Analyte                              | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|--------------------------------------|--------|------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|
| <b>Batch: BCI0667 - VOC</b>          |        |      |                 |       |             |               |      |             |     |           |
| <b>Blank (BCI0667-BLK1)</b>          |        |      |                 |       |             |               |      |             |     |           |
| Chloromethane                        | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| m/p Xylenes (MCL for total)          | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Isopropylbenzene                     | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Hexachlorobutadiene                  | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Ethylbenzene                         | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Dichlorodifluoromethane              | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Dibromomethane                       | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Dibromochloromethane                 | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Methyl ethyl ketone (MEK)            | ND     |      | 2.50            | ug/L  |             |               |      |             |     |           |
| cis-1,2-Dichloroethylene             | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| methyl-t-butyl ether (MTBE)          | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Chloroform                           | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Chloroethane                         | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Chlorobenzene (Monochlorobenzene)    | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Carbon Tetrachloride                 | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Carbon disulfide                     | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| cis-1,3-Dichloropropene              | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| p-isopropyltoluene                   | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Trichlorofluoromethane               | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| trans-1,3-Dichloropropene            | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Toluene                              | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Tetrachloroethylene                  | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| tert-Butylbenzene                    | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Methyl isobutyl ketone (MIBK)        | ND     |      | 2.50            | ug/L  |             |               |      |             |     |           |
| sec-Butylbenzene                     | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Bromomethane                         | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| o-Xylene (MCL for total)             | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| n-Propylbenzene                      | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| n-Butylbenzene                       | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Naphthalene                          | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Bromochloromethane                   | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |
| Methylene Chloride (Dichloromethane) | ND     |      | 2.50            | ug/L  |             |               |      |             |     |           |
| Styrene                              | ND     |      | 0.500           | ug/L  |             |               |      |             |     |           |

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## Quality Control Data (Continued)

### Volatiles (Continued)

| Analyte                                     | Result | Qual | Reporting<br>Limit | Units | Spike<br>Level                 | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit |
|---------------------------------------------|--------|------|--------------------|-------|--------------------------------|------------------|------|----------------|-----|--------------|
| <b>Batch: BCI0667 - VOC (Continued)</b>     |        |      |                    |       |                                |                  |      |                |     |              |
| <b>Blank (BCI0667-BLK1)</b>                 |        |      |                    |       | Prepared & Analyzed: 9/21/2022 |                  |      |                |     |              |
| 1,1-Dichloropropene                         | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| Bromoform                                   | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 1,2-Dichlorobenzene (ortho-Dichlorobenzene) | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| EDB (screening)                             | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| DBCP (screening)                            | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 1,2,4-Trimethylbenzene                      | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 1,2,4-Trichlorobenzene                      | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 1,2-Dichloroethane                          | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 1,2,3-Trichlorobenzene                      | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 1,2-Dichloropropane                         | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 1,1-Dichloroethylene                        | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 1,1-Dichloroethane                          | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 1,1,2-Trichloroethane                       | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 1,1,2,2-Tetrachloroethane                   | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 1,1,1-Trichloroethane                       | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 1,1,1,2-Tetrachloroethane                   | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 1,2,3-Trichloropropane                      | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 2-hexanone                                  | ND     |      | 2.50               | ug/L  |                                |                  |      |                |     |              |
| Bromodichloromethane                        | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| Trichloroethene                             | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| Bromobenzene                                | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| Benzene                                     | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| Acrylonitrile                               | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| Acetone                                     | ND     |      | 2.50               | ug/L  |                                |                  |      |                |     |              |
| Vinyl Chloride                              | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| o-Chlorotoluene                             | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 2,2-Dichloropropane                         | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 1,4-Dichlorobenzene (para-Dichlorobenzene)  | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 1,3-Dichloropropane                         | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| m-Dichlorobenzene                           | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| 1,3,5-Trimethylbenzene                      | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| p-Chlorotoluene                             | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| trans-1,2 Dichloroethylene                  | ND     |      | 0.500              | ug/L  |                                |                  |      |                |     |              |
| <hr/>                                       |        |      |                    |       |                                |                  |      |                |     |              |
| Surrogate: Toluene-d8                       |        |      | 26.7               | ug/L  | 25.0                           |                  | 107  | 70-130         |     |              |
| Surrogate: 4-Bromofluorobenzene             |        |      | 24.1               | ug/L  | 25.0                           |                  | 96.4 | 70-130         |     |              |
| Surrogate: 1,2-Dichlorobenzene-d4           |        |      | 19.9               | ug/L  | 19.0                           |                  | 105  | 70-130         |     |              |

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## Quality Control Data (Continued)

### Volatiles (Continued)

| Analyte                                     | Result | Qual | Reporting Limit | Units | Spike Level                    | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---------------------------------------------|--------|------|-----------------|-------|--------------------------------|---------------|------|-------------|-----|-----------|
| <b>Batch: BCI0667 - VOC (Continued)</b>     |        |      |                 |       |                                |               |      |             |     |           |
| <b>LCS (BCI0667-BS1)</b>                    |        |      |                 |       | Prepared & Analyzed: 9/21/2022 |               |      |             |     |           |
| m-Dichlorobenzene                           | 9.26   |      | 0.500           | ug/L  | 10.0                           |               | 92.6 | 80-120      |     |           |
| 1,2,4-Trimethylbenzene                      | 9.78   |      | 0.500           | ug/L  | 10.0                           |               | 97.8 | 80-120      |     |           |
| DBCP (screening)                            | 11.5   |      | 0.500           | ug/L  | 10.0                           |               | 115  | 71-128      |     |           |
| EDB (screening)                             | 10.3   |      | 0.500           | ug/L  | 10.0                           |               | 103  | 70-130      |     |           |
| 1,2-Dichlorobenzene (ortho-Dichlorobenzene) | 9.71   |      | 0.500           | ug/L  | 10.0                           |               | 97.1 | 80-120      |     |           |
| 1,2-Dichloroethane                          | 9.43   |      | 0.500           | ug/L  | 10.0                           |               | 94.3 | 80-120      |     |           |
| 1,3,5-Trimethylbenzene                      | 10.0   |      | 0.500           | ug/L  | 10.0                           |               | 100  | 80-121      |     |           |
| 1,2,3-Trichlorobenzene                      | 9.40   |      | 0.500           | ug/L  | 10.0                           |               | 94.0 | 78-120      |     |           |
| 1,3-Dichloropropane                         | 9.18   |      | 0.500           | ug/L  | 10.0                           |               | 91.8 | 80-120      |     |           |
| 1,4-Dichlorobenzene (para-Dichlorobenzene)  | 9.41   |      | 0.500           | ug/L  | 10.0                           |               | 94.1 | 80-120      |     |           |
| 2,2-Dichloropropane                         | 9.24   |      | 0.500           | ug/L  | 10.0                           |               | 92.4 | 80-120      |     |           |
| o-Chlorotoluene                             | 9.11   |      | 0.500           | ug/L  | 10.0                           |               | 91.1 | 80-120      |     |           |
| 2-hexanone                                  | 7.98   |      | 2.50            | ug/L  | 10.0                           |               | 79.8 | 65-140      |     |           |
| 1,2-Dichloropropane                         | 9.25   |      | 0.500           | ug/L  | 10.0                           |               | 92.5 | 80-120      |     |           |
| 1,1,1-Trichloroethane                       | 9.21   |      | 0.500           | ug/L  | 10.0                           |               | 92.1 | 80-120      |     |           |
| Toluene                                     | 9.66   |      | 0.500           | ug/L  | 10.0                           |               | 96.6 | 80-120      |     |           |
| Vinyl Chloride                              | 9.28   |      | 0.500           | ug/L  | 10.0                           |               | 92.8 | 75-120      |     |           |
| Trichloroethene                             | 9.28   |      | 0.500           | ug/L  | 10.0                           |               | 92.8 | 80-120      |     |           |
| trans-1,3-Dichloropropene                   | 9.85   |      | 0.500           | ug/L  | 10.0                           |               | 98.5 | 69-130      |     |           |
| trans-1,2 Dichloroethylene                  | 9.22   |      | 0.500           | ug/L  | 10.0                           |               | 92.2 | 80-120      |     |           |
| 1,2,4-Trichlorobenzene                      | 10.1   |      | 0.500           | ug/L  | 10.0                           |               | 101  | 80-120      |     |           |
| 1,1,1,2-Tetrachloroethane                   | 9.46   |      | 0.500           | ug/L  | 10.0                           |               | 94.6 | 80-120      |     |           |
| 1,2,3-Trichloropropane                      | 10.5   |      | 0.500           | ug/L  | 10.0                           |               | 105  | 80-120      |     |           |
| 1,1,2,2-Tetrachloroethane                   | 10.4   |      | 0.500           | ug/L  | 10.0                           |               | 104  | 77-123      |     |           |
| 1,1,2-Trichloroethane                       | 10.2   |      | 0.500           | ug/L  | 10.0                           |               | 102  | 80-120      |     |           |
| 1,1-Dichloroethane                          | 9.31   |      | 0.500           | ug/L  | 10.0                           |               | 93.1 | 80-120      |     |           |
| 1,1-Dichloroethylene                        | 9.13   |      | 0.500           | ug/L  | 10.0                           |               | 91.3 | 70-129      |     |           |
| 1,1-Dichloropropene                         | 9.27   |      | 0.500           | ug/L  | 10.0                           |               | 92.7 | 80-120      |     |           |
| Trichlorofluoromethane                      | 9.35   |      | 0.500           | ug/L  | 10.0                           |               | 93.5 | 61-140      |     |           |
| n-Propylbenzene                             | 9.58   |      | 0.500           | ug/L  | 10.0                           |               | 95.8 | 80-120      |     |           |
| Hexachlorobutadiene                         | 8.69   |      | 0.500           | ug/L  | 10.0                           |               | 86.9 | 80-120      |     |           |
| Isopropylbenzene                            | 9.71   |      | 0.500           | ug/L  | 10.0                           |               | 97.1 | 80-120      |     |           |
| m/p Xylenes (MCL for total)                 | 18.7   |      | 0.500           | ug/L  | 20.0                           |               | 93.4 | 80-120      |     |           |
| Methyl ethyl ketone (MEK)                   | 11.0   |      | 2.50            | ug/L  | 10.0                           |               | 110  | 55-154      |     |           |
| Methyl isobutyl ketone (MIBK)               | 10.1   |      | 2.50            | ug/L  | 10.0                           |               | 101  | 70-136      |     |           |
| methyl-t-butyl ether (MTBE)                 | 9.62   |      | 0.500           | ug/L  | 10.0                           |               | 96.2 | 71-130      |     |           |
| Ethylbenzene                                | 9.72   |      | 0.500           | ug/L  | 10.0                           |               | 97.2 | 80-120      |     |           |
| n-Butylbenzene                              | 9.77   |      | 0.500           | ug/L  | 10.0                           |               | 97.7 | 74-122      |     |           |
| sec-Butylbenzene                            | 9.67   |      | 0.500           | ug/L  | 10.0                           |               | 96.7 | 80-120      |     |           |
| o-Xylene (MCL for total)                    | 9.77   |      | 0.500           | ug/L  | 10.0                           |               | 97.7 | 80-120      |     |           |
| p-isopropyltoluene                          | 9.83   |      | 0.500           | ug/L  | 10.0                           |               | 98.3 | 80-120      |     |           |
| Styrene                                     | 9.68   |      | 0.500           | ug/L  | 10.0                           |               | 96.8 | 80-120      |     |           |
| tert-Butylbenzene                           | 10.1   |      | 0.500           | ug/L  | 10.0                           |               | 101  | 80-120      |     |           |
| p-Chlorotoluene                             | 9.24   |      | 0.500           | ug/L  | 10.0                           |               | 92.4 | 80-124      |     |           |
| Tetrachloroethylene                         | 9.32   |      | 0.500           | ug/L  | 10.0                           |               | 93.2 | 80-120      |     |           |
| Naphthalene                                 | 10.5   |      | 0.500           | ug/L  | 10.0                           |               | 105  | 66-133      |     |           |
| Bromochloromethane                          | 9.47   |      | 0.500           | ug/L  | 10.0                           |               | 94.7 | 80-120      |     |           |
| Dichlorodifluoromethane                     | 9.20   |      | 0.500           | ug/L  | 10.0                           |               | 92.0 | 57-130      |     |           |
| Benzene                                     | 9.54   |      | 0.500           | ug/L  | 10.0                           |               | 95.4 | 80-120      |     |           |
| Bromobenzene                                | 9.79   |      | 0.500           | ug/L  | 10.0                           |               | 97.9 | 80-120      |     |           |

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## Quality Control Data (Continued)

### Volatiles (Continued)

| Analyte                                 | Result | Qual | Reporting Limit | Units | Spike Level                    | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|-----------------------------------------|--------|------|-----------------|-------|--------------------------------|---------------|------|-------------|-----|-----------|
| <b>Batch: BCI0667 - VOC (Continued)</b> |        |      |                 |       |                                |               |      |             |     |           |
| <b>LCS (BCI0667-BS1)</b>                |        |      |                 |       | Prepared & Analyzed: 9/21/2022 |               |      |             |     |           |
| Bromodichloromethane                    | 9.52   |      | 0.500           | ug/L  | 10.0                           |               | 95.2 | 80-120      |     |           |
| Acrylonitrile                           | 11.0   |      | 0.500           | ug/L  | 10.0                           |               | 110  | 73-131      |     |           |
| Bromoform                               | 10.2   |      | 0.500           | ug/L  | 10.0                           |               | 102  | 68-133      |     |           |
| Carbon disulfide                        | 9.15   |      | 0.500           | ug/L  | 10.0                           |               | 91.5 | 80-120      |     |           |
| Chlorobenzene (Monochlorobenzene)       | 9.97   |      | 0.500           | ug/L  | 10.0                           |               | 99.7 | 80-120      |     |           |
| Chloroethane                            | 10.8   |      | 0.500           | ug/L  | 10.0                           |               | 108  | 78-120      |     |           |
| Chloroform                              | 9.67   |      | 0.500           | ug/L  | 10.0                           |               | 96.7 | 80-120      |     |           |
| cis-1,2-Dichloroethylene                | 9.42   |      | 0.500           | ug/L  | 10.0                           |               | 94.2 | 80-120      |     |           |
| cis-1,3-Dichloropropene                 | 9.70   |      | 0.500           | ug/L  | 10.0                           |               | 97.0 | 79-123      |     |           |
| Dibromochloromethane                    | 9.45   |      | 0.500           | ug/L  | 10.0                           |               | 94.5 | 80-121      |     |           |
| Carbon Tetrachloride                    | 8.73   |      | 0.500           | ug/L  | 10.0                           |               | 87.3 | 80-120      |     |           |
| Dibromomethane                          | 9.46   |      | 0.500           | ug/L  | 10.0                           |               | 94.6 | 80-120      |     |           |
| <hr/>                                   |        |      |                 |       |                                |               |      |             |     |           |
| Surrogate: 4-Bromofluorobenzene         |        |      | 26.1            | ug/L  | 25.0                           |               | 104  | 70-130      |     |           |
| Surrogate: Toluene-d8                   |        |      | 26.1            | ug/L  | 25.0                           |               | 104  | 70-130      |     |           |
| Surrogate: 1,2-Dichlorobenzene-d4       |        |      | 19.8            | ug/L  | 19.0                           |               | 104  | 70-130      |     |           |

### Matrix Spike (BCI0667-MS1)

Source: MCI0516-07

Prepared & Analyzed: 9/21/2022

|                                   |      |  |       |      |      |    |      |        |
|-----------------------------------|------|--|-------|------|------|----|------|--------|
| Chloroform                        | 9.82 |  | 0.500 | ug/L | 10.0 | ND | 98.2 | 70-130 |
| Methyl ethyl ketone (MEK)         | 7.78 |  | 2.50  | ug/L | 10.0 | ND | 77.8 | 47-165 |
| m/p Xylenes (MCL for total)       | 19.7 |  | 0.500 | ug/L | 20.0 | ND | 98.7 | 57-130 |
| Isopropylbenzene                  | 9.50 |  | 0.500 | ug/L | 10.0 | ND | 95.0 | 70-130 |
| Hexachlorobutadiene               | 9.26 |  | 0.500 | ug/L | 10.0 | ND | 92.6 | 70-130 |
| Ethylbenzene                      | 9.61 |  | 0.500 | ug/L | 10.0 | ND | 96.1 | 70-130 |
| Dichlorodifluoromethane           | 10.7 |  | 0.500 | ug/L | 10.0 | ND | 107  | 57-136 |
| Dibromomethane                    | 9.49 |  | 0.500 | ug/L | 10.0 | ND | 94.9 | 70-130 |
| Dibromochloromethane              | 10.1 |  | 0.500 | ug/L | 10.0 | ND | 101  | 70-130 |
| Chlorobenzene (Monochlorobenzene) | 10.2 |  | 0.500 | ug/L | 10.0 | ND | 102  | 70-130 |
| cis-1,2-Dichloroethylene          | 9.23 |  | 0.500 | ug/L | 10.0 | ND | 92.3 | 70-130 |
| Chloroethane                      | 11.9 |  | 0.500 | ug/L | 10.0 | ND | 119  | 68-138 |
| sec-Butylbenzene                  | 9.73 |  | 0.500 | ug/L | 10.0 | ND | 97.3 | 70-130 |
| Carbon Tetrachloride              | 9.68 |  | 0.500 | ug/L | 10.0 | ND | 96.8 | 70-130 |
| cis-1,3-Dichloropropene           | 8.47 |  | 0.500 | ug/L | 10.0 | ND | 84.7 | 74-124 |
| Styrene                           | 8.64 |  | 0.500 | ug/L | 10.0 | ND | 86.4 | 30-130 |
| Trichlorofluoromethane            | 11.1 |  | 0.500 | ug/L | 10.0 | ND | 111  | 50-154 |
| Trichloroethene                   | 9.63 |  | 0.500 | ug/L | 10.0 | ND | 96.3 | 70-130 |
| 1,2-Dichloropropane               | 8.74 |  | 0.500 | ug/L | 10.0 | ND | 87.4 | 70-130 |
| trans-1,2 Dichloroethylene        | 9.41 |  | 0.500 | ug/L | 10.0 | ND | 94.1 | 70-130 |
| Toluene                           | 9.05 |  | 0.500 | ug/L | 10.0 | ND | 90.5 | 70-130 |
| o-Xylene (MCL for total)          | 9.63 |  | 0.500 | ug/L | 10.0 | ND | 96.3 | 62-127 |
| tert-Butylbenzene                 | 9.28 |  | 0.500 | ug/L | 10.0 | ND | 92.8 | 70-130 |
| Methyl isobutyl ketone (MIBK)     | 7.78 |  | 2.50  | ug/L | 10.0 | ND | 77.8 | 53-167 |
| p-isopropyltoluene                | 10.9 |  | 0.500 | ug/L | 10.0 | ND | 109  | 70-130 |
| trans-1,3-Dichloropropene         | 7.66 |  | 0.500 | ug/L | 10.0 | ND | 76.6 | 61-131 |
| n-Propylbenzene                   | 9.00 |  | 0.500 | ug/L | 10.0 | ND | 90.0 | 70-130 |
| n-Butylbenzene                    | 8.60 |  | 0.500 | ug/L | 10.0 | ND | 86.0 | 67-130 |
| Naphthalene                       | 13.0 |  | 0.500 | ug/L | 10.0 | ND | 130  | 56-147 |
| methyl-t-butyl ether (MTBE)       | 8.72 |  | 0.500 | ug/L | 10.0 | ND | 87.2 | 57-138 |
| Tetrachloroethylene               | 9.32 |  | 0.500 | ug/L | 10.0 | ND | 93.2 | 70-130 |
| 1,1-Dichloropropene               | 9.51 |  | 0.500 | ug/L | 10.0 | ND | 95.1 | 70-130 |
| m-Dichlorobenzene                 | 8.10 |  | 0.500 | ug/L | 10.0 | ND | 81.0 | 70-130 |

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## Quality Control Data (Continued)

### Volatiles (Continued)

| Analyte                                     | Result | Qual | Reporting Limit           | Units | Spike Level                    | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---------------------------------------------|--------|------|---------------------------|-------|--------------------------------|---------------|------|-------------|-----|-----------|
| <b>Batch: BCI0667 - VOC (Continued)</b>     |        |      |                           |       |                                |               |      |             |     |           |
| <b>Matrix Spike (BCI0667-MS1)</b>           |        |      | <b>Source: MCI0516-07</b> |       | Prepared & Analyzed: 9/21/2022 |               |      |             |     |           |
| EDB (screening)                             | 8.90   |      | 0.500                     | ug/L  | 10.0                           | ND            | 89.0 | 70-130      |     |           |
| DBCP (screening)                            | 9.46   |      | 0.500                     | ug/L  | 10.0                           | ND            | 94.6 | 55-146      |     |           |
| 1,2,4-Trimethylbenzene                      | 8.97   |      | 0.500                     | ug/L  | 10.0                           | ND            | 89.7 | 40-140      |     |           |
| 1,2,4-Trichlorobenzene                      | 10.5   |      | 0.500                     | ug/L  | 10.0                           | ND            | 105  | 70-130      |     |           |
| 1,2,3-Trichlorobenzene                      | 9.98   |      | 0.500                     | ug/L  | 10.0                           | ND            | 99.8 | 67-134      |     |           |
| 1,2-Dichloroethane                          | 9.12   |      | 0.500                     | ug/L  | 10.0                           | ND            | 91.2 | 70-130      |     |           |
| 1,1-Dichloroethylene                        | 9.18   |      | 0.500                     | ug/L  | 10.0                           | ND            | 91.8 | 70-130      |     |           |
| 1,1-Dichloroethane                          | 9.02   |      | 0.500                     | ug/L  | 10.0                           | ND            | 90.2 | 70-130      |     |           |
| 1,1,2-Trichloroethane                       | 9.53   |      | 0.500                     | ug/L  | 10.0                           | ND            | 95.3 | 70-130      |     |           |
| Vinyl Chloride                              | 8.84   |      | 0.500                     | ug/L  | 10.0                           | ND            | 88.4 | 70-130      |     |           |
| 1,1,1,2-Tetrachloroethane                   | 9.53   |      | 0.500                     | ug/L  | 10.0                           | ND            | 95.3 | 70-130      |     |           |
| 1,1,1-Trichloroethane                       | 9.74   |      | 0.500                     | ug/L  | 10.0                           | ND            | 97.4 | 70-130      |     |           |
| 1,2,3-Trichloropropane                      | 9.85   |      | 0.500                     | ug/L  | 10.0                           | ND            | 98.5 | 69-137      |     |           |
| Bromoform                                   | 9.77   |      | 0.500                     | ug/L  | 10.0                           | ND            | 97.7 | 59-140      |     |           |
| Bromodichloromethane                        | 9.56   |      | 0.500                     | ug/L  | 10.0                           | ND            | 95.6 | 70-130      |     |           |
| Bromochloromethane                          | 10.4   |      | 0.500                     | ug/L  | 10.0                           | ND            | 104  | 70-130      |     |           |
| Bromobenzene                                | 9.61   |      | 0.500                     | ug/L  | 10.0                           | ND            | 96.1 | 70-130      |     |           |
| Benzene                                     | 9.46   |      | 0.500                     | ug/L  | 10.0                           | ND            | 94.6 | 70-130      |     |           |
| 1,2-Dichlorobenzene (ortho-Dichlorobenzene) | 9.24   |      | 0.500                     | ug/L  | 10.0                           | ND            | 92.4 | 70-130      |     |           |
| p-Chlorotoluene                             | 9.28   |      | 0.500                     | ug/L  | 10.0                           | ND            | 92.8 | 70-130      |     |           |
| Carbon disulfide                            | 9.62   |      | 0.500                     | ug/L  | 10.0                           | ND            | 96.2 | 70-130      |     |           |
| 2-hexanone                                  | 8.64   |      | 2.50                      | ug/L  | 10.0                           | ND            | 86.4 | 43-175      |     |           |
| o-Chlorotoluene                             | 8.97   |      | 0.500                     | ug/L  | 10.0                           | ND            | 89.7 | 70-130      |     |           |
| 2,2-Dichloropropane                         | 8.98   |      | 0.500                     | ug/L  | 10.0                           | ND            | 89.8 | 70-130      |     |           |
| 1,4-Dichlorobenzene (para-Dichlorobenzene)  | 8.43   |      | 0.500                     | ug/L  | 10.0                           | ND            | 84.3 | 70-130      |     |           |
| 1,3-Dichloropropane                         | 10.4   |      | 0.500                     | ug/L  | 10.0                           | ND            | 104  | 70-130      |     |           |
| 1,1,2,2-Tetrachloroethane                   | 9.25   |      | 0.500                     | ug/L  | 10.0                           | ND            | 92.5 | 67-136      |     |           |
| 1,3,5-Trimethylbenzene                      | 9.83   |      | 0.500                     | ug/L  | 10.0                           | ND            | 98.3 | 40-140      |     |           |
| Acrylonitrile                               | 8.27   |      | 0.500                     | ug/L  | 10.0                           | ND            | 82.7 | 65-137      |     |           |
| <hr/>                                       |        |      |                           |       |                                |               |      |             |     |           |
| Surrogate: Toluene-d8                       |        |      | 22.9                      | ug/L  | 25.0                           |               | 91.5 | 70-130      |     |           |
| Surrogate: 4-Bromofluorobenzene             |        |      | 25.6                      | ug/L  | 25.0                           |               | 102  | 70-130      |     |           |
| Surrogate: 1,2-Dichlorobenzene-d4           |        |      | 19.1                      | ug/L  | 19.0                           |               | 101  | 70-130      |     |           |

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## Quality Control Data (Continued)

### Volatiles (Continued)

| Analyte                                     | Result | Qual | Reporting Limit           | Units | Spike Level                    | Source Result | %REC | %REC Limits | RPD    | RPD Limit |
|---------------------------------------------|--------|------|---------------------------|-------|--------------------------------|---------------|------|-------------|--------|-----------|
| <b>Batch: BCI0667 - VOC (Continued)</b>     |        |      |                           |       |                                |               |      |             |        |           |
| <b>Matrix Spike Dup (BCI0667-MSD1)</b>      |        |      | <b>Source: MCI0516-07</b> |       | Prepared & Analyzed: 9/21/2022 |               |      |             |        |           |
| Bromodichloromethane                        | 10.9   |      | 0.500                     | ug/L  | 10.0                           | ND            | 109  | 70-130      | 12.9   | 20        |
| o-Chlorotoluene                             | 10.3   |      | 0.500                     | ug/L  | 10.0                           | ND            | 103  | 70-130      | 13.7   | 20        |
| Bromochloromethane                          | 10.9   |      | 0.500                     | ug/L  | 10.0                           | ND            | 109  | 70-130      | 5.35   | 20        |
| 1,2-Dichloropropane                         | 8.52   |      | 0.500                     | ug/L  | 10.0                           | ND            | 85.2 | 70-130      | 2.55   | 20        |
| 1,3,5-Trimethylbenzene                      | 10.7   |      | 0.500                     | ug/L  | 10.0                           | ND            | 107  | 40-140      | 8.29   | 20        |
| m-Dichlorobenzene                           | 9.25   |      | 0.500                     | ug/L  | 10.0                           | ND            | 92.5 | 70-130      | 13.3   | 20        |
| 1,3-Dichloropropane                         | 9.75   |      | 0.500                     | ug/L  | 10.0                           | ND            | 97.5 | 70-130      | 5.97   | 20        |
| 2,2-Dichloropropane                         | 9.52   |      | 0.500                     | ug/L  | 10.0                           | ND            | 95.2 | 70-130      | 5.84   | 20        |
| 1,2-Dichlorobenzene (ortho-Dichlorobenzene) | 9.20   |      | 0.500                     | ug/L  | 10.0                           | ND            | 92.0 | 70-130      | 0.434  | 20        |
| 2-hexanone                                  | 6.40   | R1   | 2.50                      | ug/L  | 10.0                           | ND            | 64.0 | 43-175      | 29.8   | 20        |
| p-Chlorotoluene                             | 9.76   |      | 0.500                     | ug/L  | 10.0                           | ND            | 97.6 | 70-130      | 5.04   | 20        |
| Acrylonitrile                               | 7.61   |      | 0.500                     | ug/L  | 10.0                           | ND            | 76.1 | 65-137      | 8.31   | 20        |
| Benzene                                     | 10.5   |      | 0.500                     | ug/L  | 10.0                           | ND            | 105  | 70-130      | 10.3   | 20        |
| Carbon disulfide                            | 10.5   |      | 0.500                     | ug/L  | 10.0                           | ND            | 105  | 70-130      | 8.94   | 20        |
| 1,4-Dichlorobenzene (para-Dichlorobenzene)  | 9.22   |      | 0.500                     | ug/L  | 10.0                           | ND            | 92.2 | 70-130      | 8.95   | 20        |
| 1,1-Dichloropropene                         | 10.5   |      | 0.500                     | ug/L  | 10.0                           | ND            | 105  | 70-130      | 9.80   | 20        |
| Vinyl Chloride                              | 9.90   |      | 0.500                     | ug/L  | 10.0                           | ND            | 99.0 | 70-130      | 11.3   | 20        |
| 1,1,1,2-Tetrachloroethane                   | 10.7   |      | 0.500                     | ug/L  | 10.0                           | ND            | 107  | 70-130      | 11.1   | 20        |
| 1,1,1-Trichloroethane                       | 10.6   |      | 0.500                     | ug/L  | 10.0                           | ND            | 106  | 70-130      | 8.74   | 20        |
| 1,1,2,2-Tetrachloroethane                   | 9.31   |      | 0.500                     | ug/L  | 10.0                           | ND            | 93.1 | 67-136      | 0.647  | 20        |
| 1,1,2-Trichloroethane                       | 10.1   |      | 0.500                     | ug/L  | 10.0                           | ND            | 101  | 70-130      | 5.71   | 20        |
| 1,2-Dichloroethane                          | 9.39   |      | 0.500                     | ug/L  | 10.0                           | ND            | 93.9 | 70-130      | 2.92   | 20        |
| 1,1-Dichloroethylene                        | 10.1   |      | 0.500                     | ug/L  | 10.0                           | ND            | 101  | 70-130      | 9.25   | 20        |
| Bromoform                                   | 9.13   |      | 0.500                     | ug/L  | 10.0                           | ND            | 91.3 | 59-140      | 6.77   | 20        |
| 1,2,3-Trichlorobenzene                      | 10.2   |      | 0.500                     | ug/L  | 10.0                           | ND            | 102  | 67-134      | 2.08   | 20        |
| 1,2,3-Trichloropropane                      | 9.42   |      | 0.500                     | ug/L  | 10.0                           | ND            | 94.2 | 69-137      | 4.46   | 20        |
| 1,2,4-Trichlorobenzene                      | 9.91   |      | 0.500                     | ug/L  | 10.0                           | ND            | 99.1 | 70-130      | 5.50   | 20        |
| 1,2,4-Trimethylbenzene                      | 10.1   |      | 0.500                     | ug/L  | 10.0                           | ND            | 101  | 40-140      | 12.2   | 20        |
| DBCP (screening)                            | 8.72   |      | 0.500                     | ug/L  | 10.0                           | ND            | 87.2 | 55-146      | 8.14   | 20        |
| EDB (screening)                             | 9.74   |      | 0.500                     | ug/L  | 10.0                           | ND            | 97.4 | 70-130      | 9.01   | 20        |
| 1,1-Dichloroethane                          | 10.1   |      | 0.500                     | ug/L  | 10.0                           | ND            | 101  | 70-130      | 11.5   | 20        |
| tert-Butylbenzene                           | 10.6   |      | 0.500                     | ug/L  | 10.0                           | ND            | 106  | 70-130      | 12.9   | 20        |
| Bromobenzene                                | 10.5   |      | 0.500                     | ug/L  | 10.0                           | ND            | 105  | 70-130      | 8.47   | 20        |
| n-Butylbenzene                              | 9.50   |      | 0.500                     | ug/L  | 10.0                           | ND            | 95.0 | 67-130      | 9.94   | 20        |
| n-Propylbenzene                             | 10.2   |      | 0.500                     | ug/L  | 10.0                           | ND            | 102  | 70-130      | 12.8   | 20        |
| o-Xylene (MCL for total)                    | 10.9   |      | 0.500                     | ug/L  | 10.0                           | ND            | 109  | 62-127      | 12.7   | 20        |
| p-isopropyltoluene                          | 10.6   |      | 0.500                     | ug/L  | 10.0                           | ND            | 106  | 70-130      | 3.17   | 20        |
| methyl-t-butyl ether (MTBE)                 | 8.99   |      | 0.500                     | ug/L  | 10.0                           | ND            | 89.9 | 57-138      | 3.05   | 20        |
| Styrene                                     | 10.0   |      | 0.500                     | ug/L  | 10.0                           | ND            | 100  | 30-130      | 14.9   | 20        |
| Methyl isobutyl ketone (MIBK)               | 6.50   |      | 2.50                      | ug/L  | 10.0                           | ND            | 65.0 | 53-167      | 17.9   | 20        |
| Tetrachloroethylene                         | 11.1   |      | 0.500                     | ug/L  | 10.0                           | ND            | 111  | 70-130      | 17.3   | 20        |
| Toluene                                     | 9.98   |      | 0.500                     | ug/L  | 10.0                           | ND            | 99.8 | 70-130      | 9.77   | 20        |
| trans-1,2 Dichloroethylene                  | 10.5   |      | 0.500                     | ug/L  | 10.0                           | ND            | 105  | 70-130      | 10.6   | 20        |
| trans-1,3-Dichloropropene                   | 8.44   |      | 0.500                     | ug/L  | 10.0                           | ND            | 84.4 | 61-131      | 9.69   | 20        |
| Trichloroethene                             | 10.3   |      | 0.500                     | ug/L  | 10.0                           | ND            | 103  | 70-130      | 6.92   | 20        |
| sec-Butylbenzene                            | 11.1   |      | 0.500                     | ug/L  | 10.0                           | ND            | 111  | 70-130      | 13.3   | 20        |
| Dibromomethane                              | 10.3   |      | 0.500                     | ug/L  | 10.0                           | ND            | 103  | 70-130      | 8.09   | 20        |
| Carbon Tetrachloride                        | 10.6   |      | 0.500                     | ug/L  | 10.0                           | ND            | 106  | 70-130      | 9.07   | 20        |
| Chlorobenzene (Monochlorobenzene)           | 10.2   |      | 0.500                     | ug/L  | 10.0                           | ND            | 102  | 70-130      | 0.0977 | 20        |
| Chloroethane                                | 12.6   |      | 0.500                     | ug/L  | 10.0                           | ND            | 126  | 68-138      | 5.97   | 20        |

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## Quality Control Data (Continued)

### Volatiles (Continued)

| Analyte                                 | Result | Qual | Reporting<br>Limit        | Units | Spike<br>Level                 | Source<br>Result | %REC | %REC<br>Limits | RPD  | RPD<br>Limit |
|-----------------------------------------|--------|------|---------------------------|-------|--------------------------------|------------------|------|----------------|------|--------------|
| <b>Batch: BCI0667 - VOC (Continued)</b> |        |      |                           |       |                                |                  |      |                |      |              |
| <b>Matrix Spike Dup (BCI0667-MSD1)</b>  |        |      | <b>Source: MCI0516-07</b> |       | Prepared & Analyzed: 9/21/2022 |                  |      |                |      |              |
| Chloroform                              | 10.5   |      | 0.500                     | ug/L  | 10.0                           | ND               | 105  | 70-130         | 6.60 | 20           |
| cis-1,2-Dichloroethylene                | 9.99   |      | 0.500                     | ug/L  | 10.0                           | ND               | 99.9 | 70-130         | 7.91 | 20           |
| Naphthalene                             | 10.3   | R1   | 0.500                     | ug/L  | 10.0                           | ND               | 103  | 56-147         | 23.8 | 20           |
| Dibromochloromethane                    | 9.88   |      | 0.500                     | ug/L  | 10.0                           | ND               | 98.8 | 70-130         | 1.90 | 20           |
| Trichlorofluoromethane                  | 12.2   |      | 0.500                     | ug/L  | 10.0                           | ND               | 122  | 50-154         | 9.72 | 20           |
| Dichlorodifluoromethane                 | 11.7   |      | 0.500                     | ug/L  | 10.0                           | ND               | 117  | 57-136         | 9.28 | 20           |
| Ethylbenzene                            | 10.4   |      | 0.500                     | ug/L  | 10.0                           | ND               | 104  | 70-130         | 7.41 | 20           |
| Hexachlorobutadiene                     | 10.6   |      | 0.500                     | ug/L  | 10.0                           | ND               | 106  | 70-130         | 13.1 | 20           |
| Isopropylbenzene                        | 10.8   |      | 0.500                     | ug/L  | 10.0                           | ND               | 108  | 70-130         | 12.9 | 20           |
| m/p Xylenes (MCL for total)             | 20.0   |      | 0.500                     | ug/L  | 20.0                           | ND               | 100  | 57-130         | 1.36 | 20           |
| Methyl ethyl ketone (MEK)               | 6.83   |      | 2.50                      | ug/L  | 10.0                           | ND               | 68.3 | 47-165         | 13.0 | 20           |
| cis-1,3-Dichloropropene                 | 8.82   |      | 0.500                     | ug/L  | 10.0                           | ND               | 88.2 | 74-124         | 4.05 | 20           |
| <hr/>                                   |        |      |                           |       |                                |                  |      |                |      |              |
| Surrogate: 4-Bromofluorobenzene         |        |      | 26.4                      | ug/L  | 25.0                           |                  | 106  | 70-130         |      |              |
| Surrogate: Toluene-d8                   |        |      | 24.9                      | ug/L  | 25.0                           |                  | 99.5 | 70-130         |      |              |
| Surrogate: 1,2-Dichlorobenzene-d4       |        |      | 18.4                      | ug/L  | 19.0                           |                  | 96.7 | 70-130         |      |              |



# Subcontract Order

MCI0516



Due: 09/28/22

29

29

8

**X210265****Sending Laboratory:**

SVL Analytical, Inc.  
One Government Gulch  
PO Box 929  
Kellogg, ID 83837-0929  
Phone: 208-784-1258  
Project Manager: Dave Tryon

**Client:**

Spokane County Environmental Services  
(Colbert)

**Project Name:**

Routine

**Project State of Origin:**

Washington

**Receiving Laboratory:**

Anatek Labs (ID)  
1282 Alturas Drive  
Moscow, ID 83843  
Phone: 208-883-2839

**Report and Invoice to SVL Analytical, Inc.**

| Analysis             | Due                        | HT Expires      |       |                          |
|----------------------|----------------------------|-----------------|-------|--------------------------|
| SVL ID: X210265-01   | Client ID: GWDW-001-220913 |                 | Water | Sampled: 13-Sep-22 09:22 |
| Sub VOC-SIM 8260C    | 29-Sep-22                  | 27-Sep-22 09:22 |       |                          |
| Containers Supplied: |                            |                 |       |                          |
| HCl VOA glass (A)    |                            |                 |       |                          |
| HCl VOA glass (B)    |                            |                 |       |                          |
| HCl VOA glass (C)    |                            |                 |       |                          |
| SVL ID: X210265-02   | Client ID: GWDW-002-220913 |                 | Water | Sampled: 13-Sep-22 10:31 |
| Sub VOC-SIM 8260C    | 29-Sep-22                  | 27-Sep-22 10:31 |       |                          |
| Containers Supplied: |                            |                 |       |                          |
| HCl VOA glass (A)    |                            |                 |       |                          |
| HCl VOA glass (B)    |                            |                 |       |                          |
| HCl VOA glass (C)    |                            |                 |       |                          |
| SVL ID: X210265-03   | Client ID: GWDW-003-220913 |                 | Water | Sampled: 13-Sep-22 12:06 |
| Sub VOC-SIM 8260C    | 29-Sep-22                  | 27-Sep-22 12:06 |       |                          |
| Containers Supplied: |                            |                 |       |                          |
| HCl VOA glass (A)    |                            |                 |       |                          |
| HCl VOA glass (B)    |                            |                 |       |                          |
| HCl VOA glass (C)    |                            |                 |       |                          |
| SVL ID: X210265-04   | Client ID: GWMS-004-220913 |                 | Water | Sampled: 13-Sep-22 13:51 |
| Sub VOC-SIM 8260C    | 29-Sep-22                  | 27-Sep-22 13:51 |       |                          |
| Containers Supplied: |                            |                 |       |                          |
| HCl VOA glass (A)    |                            |                 |       |                          |
| HCl VOA glass (B)    |                            |                 |       |                          |
| HCl VOA glass (C)    |                            |                 |       |                          |
| Raw Amber Glass (D)  |                            |                 |       |                          |
| SVL ID: X210265-05   | Client ID: GWMS-005-220913 |                 | Water | Sampled: 13-Sep-22 14:10 |
| Sub VOC-SIM 8260C    | 29-Sep-22                  | 27-Sep-22 14:10 |       |                          |
| Containers Supplied: |                            |                 |       |                          |
| HCl VOA glass (A)    |                            |                 |       |                          |
| HCl VOA glass (B)    |                            |                 |       |                          |
| HCl VOA glass (C)    |                            |                 |       |                          |
| SVL ID: X210265-06   | Client ID: GMMW-013-220913 |                 | Water | Sampled: 13-Sep-22 11:30 |
| Sub VOC-SIM 8260C    | 29-Sep-22                  | 27-Sep-22 11:30 |       |                          |
| Containers Supplied: |                            |                 |       |                          |
| HCl VOA glass (A)    |                            |                 |       |                          |
| HCl VOA glass (B)    |                            |                 |       |                          |
| HCl VOA glass (C)    |                            |                 |       |                          |

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by: ER Date/Time: 9/15/22 11:11  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_



# Subcontract Order

## X2I0265

MCI0516



Due: 09/28/22

9

9

| Analysis                | Due                         | HT Expires      |       |                          |
|-------------------------|-----------------------------|-----------------|-------|--------------------------|
| SVL ID: X2I0265-07      | Client ID: GMMW-014-220913  |                 | Water | Sampled: 13-Sep-22 10:00 |
| Sample Comments: MS/MSD |                             |                 |       |                          |
| Sub VOC-SIM 8260C       | 29-Sep-22                   | 27-Sep-22 10:00 |       |                          |
| Containers Supplied:    |                             |                 |       |                          |
| HCl VOA glass (A)       |                             |                 |       |                          |
| HCl VOA glass (B)       |                             |                 |       |                          |
| HCl VOA glass (C)       |                             |                 |       |                          |
| HCl VOA glass (D)       |                             |                 |       |                          |
| HCl VOA glass (E)       |                             |                 |       |                          |
| HCl VOA glass (F)       |                             |                 |       |                          |
| HCl VOA glass (G)       |                             |                 |       |                          |
| HCl VOA glass (H)       |                             |                 |       |                          |
| SVL ID: X2I0265-08      | Client ID: GMMW-020-220913  |                 | Water | Sampled: 13-Sep-22 13:10 |
| Sub VOC-SIM 8260C       | 29-Sep-22                   | 27-Sep-22 13:10 |       |                          |
| Containers Supplied:    |                             |                 |       |                          |
| HCl VOA glass (A)       |                             |                 |       |                          |
| HCl VOA glass (B)       |                             |                 |       |                          |
| HCl VOA glass (C)       |                             |                 |       |                          |
| SVL ID: X2I0265-09      | Client ID: GMMW-009-220914  |                 | Water | Sampled: 14-Sep-22 10:15 |
| Sub VOC-SIM 8260C       | 29-Sep-22                   | 28-Sep-22 10:15 |       |                          |
| Containers Supplied:    |                             |                 |       |                          |
| HCl VOA glass (A)       |                             |                 |       |                          |
| HCl VOA glass (B)       |                             |                 |       |                          |
| HCl VOA glass (C)       |                             |                 |       |                          |
| SVL ID: X2I0265-10      | Client ID: GMMW-010-220914  |                 | Water | Sampled: 14-Sep-22 09:30 |
| Sub VOC-SIM 8260C       | 29-Sep-22                   | 28-Sep-22 09:30 |       |                          |
| Containers Supplied:    |                             |                 |       |                          |
| HCl VOA glass (A)       |                             |                 |       |                          |
| HCl VOA glass (B)       |                             |                 |       |                          |
| HCl VOA glass (C)       |                             |                 |       |                          |
| SVL ID: X2I0265-11      | Client ID: MWS-1-1-220914   |                 | Water | Sampled: 14-Sep-22 09:45 |
| Sub VOC-SIM 8260C       | 29-Sep-22                   | 28-Sep-22 09:45 |       |                          |
| Containers Supplied:    |                             |                 |       |                          |
| HCl VOA glass (A)       |                             |                 |       |                          |
| HCl VOA glass (B)       |                             |                 |       |                          |
| HCl VOA glass (C)       |                             |                 |       |                          |
| SVL ID: X2I0265-12      | Client ID: GMMW-016-220914  |                 | Water | Sampled: 14-Sep-22 12:00 |
| Sub VOC-SIM 8260C       | 29-Sep-22                   | 28-Sep-22 12:00 |       |                          |
| Containers Supplied:    |                             |                 |       |                          |
| HCl VOA glass (A)       |                             |                 |       |                          |
| HCl VOA glass (B)       |                             |                 |       |                          |
| HCl VOA glass (C)       |                             |                 |       |                          |
| SVL ID: X2I0265-13      | Client ID: GMMW-019R-220914 |                 | Water | Sampled: 14-Sep-22 12:01 |
| Sub VOC-SIM 8260C       | 29-Sep-22                   | 28-Sep-22 12:01 |       |                          |
| Containers Supplied:    |                             |                 |       |                          |
| HCl VOA glass (A)       |                             |                 |       |                          |
| HCl VOA glass (B)       |                             |                 |       |                          |
| HCl VOA glass (C)       |                             |                 |       |                          |

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_



# Subcontract Order

**X2I0265**

MCI0516



Due: 09/28/22

ox 929

-0929

-1258

| Analysis             | Due                        | HT Expires      |       |                          |
|----------------------|----------------------------|-----------------|-------|--------------------------|
| SVL ID: X2I0265-14   | Client ID: GWMW-023-220914 |                 | Water | Sampled: 14-Sep-22 09:55 |
| Sub VOC-SIM 8260C    | 29-Sep-22                  | 28-Sep-22 09:55 |       |                          |
| Containers Supplied: |                            |                 |       |                          |
| HCI VOA glass (A)    |                            |                 |       |                          |
| HCI VOA glass (B)    |                            |                 |       |                          |
| HCI VOA glass (C)    |                            |                 |       |                          |
| SVL ID: X2I0265-15   | Client ID: GWMW-029-220914 |                 | Water | Sampled: 14-Sep-22 11:07 |
| Sub VOC-SIM 8260C    | 29-Sep-22                  | 28-Sep-22 11:07 |       |                          |
| Containers Supplied: |                            |                 |       |                          |
| HCI VOA glass (A)    |                            |                 |       |                          |
| HCI VOA glass (B)    |                            |                 |       |                          |
| HCI VOA glass (C)    |                            |                 |       |                          |
| SVL ID: X2I0265-16   | Client ID: MWS-1-2-220914  |                 | Water | Sampled: 14-Sep-22 09:39 |
| Sub VOC-SIM 8260C    | 29-Sep-22                  | 28-Sep-22 09:39 |       |                          |
| Containers Supplied: |                            |                 |       |                          |
| HCI VOA glass (A)    |                            |                 |       |                          |
| HCI VOA glass (B)    |                            |                 |       |                          |
| HCI VOA glass (C)    |                            |                 |       |                          |
| SVL ID: X2I0265-17   | Client ID: MWS-2-1-220914  |                 | Water | Sampled: 14-Sep-22 00:00 |
| Sub VOC-SIM 8260C    | 29-Sep-22                  | 28-Sep-22 00:00 |       |                          |
| Containers Supplied: |                            |                 |       |                          |
| HCI VOA glass (A)    |                            |                 |       |                          |
| HCI VOA glass (B)    |                            |                 |       |                          |

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

**SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES  
MICA LANDFILL COMPLIANCE MONITORING PROGRAM**

LABORATORY:  
ANATEK LAB-MOSCOW  
1282 ALTURAS DR  
MOSCOW, IDAHO 83843  
(208) 883-2839  
ATTENTION: Sample Receiving

CLIENT:  
SPOKANE COUNTY ENVIROMENTAL SERVICES  
22515 N. ELK CHATTAROY RD.  
COLBERT, WASHINGTON 99005  
(509) 238-6607 FAX (509) 238-6812  
MICA (509) 924-5223

SHIPPING CO: UPS  
SHIPPING # 12672252501  
# OF COOLERS: 1

DATE: 9/14/2022

MCI0516



Due: 09/28/22

| PARAMETERS:<br><br>METHOD:<br><br>BOTTLES:<br><br>LAB:<br><br>PRESERVATION: |  |              | VOLATILES         | SEMI VOLATILES         | SAMPLERS:<br><br>G. Fisette<br>M. Terris |                      |                  |                  |
|-----------------------------------------------------------------------------|--|--------------|-------------------|------------------------|------------------------------------------|----------------------|------------------|------------------|
|                                                                             |  |              | 8260C             | BEHP<br>8270D          |                                          |                      |                  |                  |
|                                                                             |  |              | 3-40 ml.<br>VOA'S | 1 LITER<br>AMBER GLASS |                                          |                      |                  |                  |
|                                                                             |  |              | ANATEK LAB        | ANATEK LAB             |                                          |                      |                  |                  |
|                                                                             |  |              | HCl pH<2          | UNPRESERVED            |                                          |                      |                  |                  |
| SAMPLE IDENTIFICATION                                                       |  | DATE         | TIME              |                        |                                          | NUMBER OF<br>BOTTLES | COOLER<br>NUMBER | COMMENTS         |
| GWMW-016-220914                                                             |  | 9/14         | 1200              | XX                     |                                          | 3                    | 250              |                  |
| GWMW-019-220914                                                             |  | 9/14         | 1201              | XX                     |                                          | 3                    | 250              |                  |
| GWMW-023-220914                                                             |  | 9/14         | 0955              | XX                     |                                          | 3                    | 250              |                  |
| GWMW-029-220914                                                             |  | 9/14         | 1107              | XX                     |                                          | 3                    | 250              |                  |
| MWS-1-2-220914                                                              |  | 9/14         | 0939              | XX                     |                                          | 3                    | 250              |                  |
| MWS-2-1-220914                                                              |  | 9/14         | -                 | XX                     |                                          | 2                    | 250              | MICA TRIP-BLANKS |
| <del> </del>                                                                |  | <del> </del> | <del> </del>      | <del> </del>           |                                          |                      |                  |                  |
| <del> </del>                                                                |  | <del> </del> | <del> </del>      | <del> </del>           |                                          |                      |                  |                  |
| <del> </del>                                                                |  | <del> </del> | <del> </del>      | <del> </del>           |                                          |                      |                  |                  |

COMMENTS: Please e-mail a sample condition report to Austin and Mike ASAP; astewart@spokanecounty.org & mterris@spokanecounty.org

RELINQUISHED BY:  
SIGNATURE: *Mike S. Terris*  
PRINT NAME: MIKE S. TERRIS  
COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

DATE: 9/14/22  
TIME: 1500

RECEIVED BY:  
SIGNATURE: \_\_\_\_\_  
PRINT NAME: \_\_\_\_\_  
COMPANY: \_\_\_\_\_

DATE: \_\_\_\_\_  
TIME: \_\_\_\_\_

**SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES  
MICA LANDFILL COMPLIANCE MONITORING PROGRAM**

**LABORATORY:**  
ANATEK LAB-MOSCOW  
1282 ALTURAS DR  
MOSCOW, IDAHO 83843  
(208) 883-2839  
ATTENTION: Sample Receiving

**CLIENT:**  
SPOKANE COUNTY ENVIROMENTAL SERVICES  
22515 N. ELK CHATTAROY RD.  
COLBERT, WASHINGTON 99005  
(509) 238-6607 FAX (509) 238-6812  
MICA (509) 924-5223

**SHIPPING CO:** UPS  
**SHIPPING #** K267225 2501  
**# OF COOLERS:** 1

**DATE:** 9/14/2022  
**PAGE** 1 **OF** 2

MCI0516



Due: 09/28/22

| PARAMETERS:           |      |      | VOLATILES         | SEMI VOLATILES         | <b>SAMPLERS:</b><br>G. FISETTE<br>M. TERRIS |                  |          |
|-----------------------|------|------|-------------------|------------------------|---------------------------------------------|------------------|----------|
|                       |      |      | 8260C             | BEHP<br>8270D          |                                             |                  |          |
|                       |      |      | 3-40 ml.<br>VOA'S | 1 LITER<br>AMBER GLASS |                                             |                  |          |
|                       |      |      | ANATEK LAB        | ANATEK LAB             |                                             |                  |          |
| PRESERVATION:         | 2022 |      | HCl pH<2          | UNPRESERVED            | NUMBER OF<br>BOTTLES                        | COOLER<br>NUMBER | COMMENTS |
| SAMPLE IDENTIFICATION | DATE | TIME |                   |                        |                                             |                  |          |
| GW DW-001-220913      | 9/13 | 0922 | X                 |                        | 3                                           | 250              |          |
| GW DW-002-220913      | 9/13 | 1031 | X                 |                        | 3                                           | 250              |          |
| GW DW-003-220913      | 9/13 | 1206 | X                 |                        | 3                                           | 250              |          |
| GW MS-004-220913      | 9/13 | 1351 | X                 | X                      | 4                                           | 250              |          |
| GW MS-005-220913      | 9/13 | 1410 | X                 |                        | 3                                           | 250              |          |
| GWMW-013-220913       | 9/13 | 1130 | X                 |                        | 3                                           | 250              |          |
| GWMW-014-220913       | 9/13 | 1000 | X                 |                        | 9                                           | 250              | MS/MSD * |
| GWMW-020-220913       | 9/13 | 1310 | X                 |                        | 3                                           | 250              |          |
| GWMW-009-220914       | 9/14 | 1015 | X                 |                        | 3                                           | 250              |          |
| GWMW-010-220914       | 9/14 | 0930 | X                 |                        | 3                                           | 250              |          |
| MWS-1-1-220914        | 9/14 | 0945 | X                 |                        | 3                                           | 250              |          |

**COMMENTS:** Please e-mail a sample condition report to Austin and Mike ASAP; astewart@spokanecounty.org & mtorris@spokanecounty.org

**RELINQUISHED BY:**

**SIGNATURE:** Mike Terris  
**PRINT NAME:** MIKE TERRIS  
**COMPANY:** SPOKANE COUNTY UTILITIES LANDFILL CLOSURE  
**DATE:** 9/14/22  
**TIME:** 1500

**RECEIVED BY:** ER

**SIGNATURE:** Elizabeth  
**PRINT NAME:** ELIZABETH  
**COMPANY:** Anatek  
**DATE:** 9/15/22  
**TIME:** 1111

\* MS/MSD ON SAMPLE ID GWMW-014-220913



Due: 09/28/22



Anatek Labs, Inc.

## Sample Receipt and Preservation Form

Client Name: Spokane COTAT: Normal RUSH: \_\_\_\_\_ daysSamples Received From: FedEx UPS USPS Client Courier Other: \_\_\_\_\_Custody Seal on Cooler/Box: Yes No EE ER Custody Seals Intact: Yes No N/ANumber of Coolers/Boxes: 1 Type of Ice: Wet Ice Ice Packs Dry Ice NonePacking Material: Bubble Wrap Bags Foam/Peanuts Paper None Other: \_\_\_\_\_Cooler Temp As Read (°C): 4.1C Cooler Temp Corrected (°C): \_\_\_\_\_ Thermometer Used: IR-5

Comments:

Samples Received Intact? Yes No N/AChain of Custody Present? Yes No N/ASamples Received Within Hold Time? Yes No N/ASamples Properly Preserved? Yes No N/AVOC Vials Free of Headspace (<6mm)? Yes No N/AVOC Trip Blanks Present? Yes No N/ALabels and Chains Agree? Yes No N/ATotal Number of Sample Bottles Received: 47 + 10Chain of Custody Fully Completed? Yes No N/ACorrect Containers Received? Yes No N/AAnatek Bottles Used? Yes No Unknown

Record preservatives (and lot numbers, if known) for containers below:

EE ER  
NAHCL - VOC 8260 - 944ml x 48 44 S1 + 2 TB  
COOP

Notes, comments, etc. (also use this space if contacting the client - record names and date/time)

0270 - gIL

Emailed Client: re wa#  
9/15/22 ER

Received/Inspected By: ER Date/Time: 9/15/22 11:11



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X2I0271**  
Reported: 05-Oct-22 20:31

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID        | Laboratory ID | Matrix       | Date Sampled    | Sampled By | Date Received | Notes |
|------------------|---------------|--------------|-----------------|------------|---------------|-------|
| GWMW-009-220914  | X2I0271-01    | Ground Water | 14-Sep-22 10:15 | GF/MT      | 16-Sep-2022   |       |
| GWMW-010-220914  | X2I0271-02    | Ground Water | 14-Sep-22 09:30 | GF/MT      | 16-Sep-2022   |       |
| MWS-1-1-220914   | X2I0271-03    | Ground Water | 14-Sep-22 09:45 | GF/MT      | 16-Sep-2022   |       |
| GWMW-016-220914  | X2I0271-04    | Ground Water | 14-Sep-22 12:00 | GF/MT      | 16-Sep-2022   |       |
| GWMW-019R-220914 | X2I0271-05    | Ground Water | 14-Sep-22 12:01 | GF/MT      | 16-Sep-2022   |       |
| GWMW-023-220914  | X2I0271-06    | Ground Water | 14-Sep-22 09:55 | GF/MT      | 16-Sep-2022   |       |
| GWMW-029-220914  | X2I0271-07    | Ground Water | 14-Sep-22 11:07 | GF/MT      | 16-Sep-2022   |       |
| MWS-1-2-220914   | X2I0271-08    | Ground Water | 14-Sep-22 09:39 | GF/MT      | 16-Sep-2022   |       |

Solid samples are analyzed on an as-received, wet-weight basis, unless otherwise requested.

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of SVL Analytical, Inc.



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210271**  
Reported: 05-Oct-22 20:31

Client Sample ID: **GWMW-009-220914**

Sampled: 14-Sep-22 10:15

Received: 16-Sep-22

Sampled By: GF/MT

SVL Sample ID: **X210271-01 (Ground Water)****Sample Report Page 1 of 1**

| Method                                | Analyte                          | Result     | Units                     | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes |
|---------------------------------------|----------------------------------|------------|---------------------------|----------|----------|----------|---------|---------|----------------|-------|
| <b>Metals (Total)</b>                 |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 7470A                             | Mercury                          | < 0.000200 | mg/L                      | 0.000200 | 0.000093 |          | X240111 | JRR     | 09/29/22 11:35 |       |
| <b>Metals (Total Recoverable)</b>     |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 6010D                             | <b>Barium</b>                    | 0.134      | mg/L                      | 0.0040   | 0.0019   |          | X239205 | JRR     | 09/27/22 12:57 |       |
| EPA 6010D                             | Lead                             | < 0.0150   | mg/L                      | 0.0150   | 0.0049   |          | X239205 | JRR     | 09/27/22 12:57 |       |
| EPA 6010D                             | <b>Manganese</b>                 | 0.558      | mg/L                      | 0.0080   | 0.0034   |          | X239205 | JRR     | 09/27/22 12:57 |       |
| EPA 6010D                             | <b>Vanadium</b>                  | 0.0053     | mg/L                      | 0.0050   | 0.0019   |          | X239205 | JRR     | 09/27/22 12:57 |       |
| EPA 6010D                             | Zinc                             | < 0.0100   | mg/L                      | 0.0100   | 0.0054   |          | X239205 | JRR     | 09/27/22 12:57 |       |
| EPA 6020B                             | Arsenic                          | < 0.00300  | mg/L                      | 0.00300  | 0.00021  |          | X239218 | AS      | 10/04/22 16:09 |       |
| <b>Classical Chemistry Parameters</b> |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 350.1                             | Ammonia as N                     | < 0.030    | mg/L                      | 0.030    | 0.013    |          | X240019 | KJR     | 09/27/22 18:21 |       |
| SM 2320 B                             | <b>Total Alkalinity</b>          | 249        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:51 |       |
| SM 2320 B                             | <b>Bicarbonate</b>               | 249        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:51 |       |
| SM 2320 B                             | Carbonate                        | < 1.0      | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:51 |       |
| SM 2540 C                             | <b>Total Diss. Solids</b>        | 292        | mg/L                      | 10       |          |          | X239004 | TJL     | 09/19/22 15:10 |       |
| SM 5310B                              | <b>Total Organic Carbon</b>      | 2.88       | mg/L                      | 1.00     | 0.38     |          | X239027 | RS      | 09/20/22 12:00 |       |
| <b>Anions by Ion Chromatography</b>   |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 300.0                             | <b>Chloride</b>                  | 12.4       | mg/L                      | 2.00     | 0.22     | 10       | X238253 | RS      | 09/16/22 15:20 | D2    |
| EPA 300.0                             | <b>Nitrate as N</b>              | 0.071      | mg/L                      | 0.050    | 0.013    |          | X238253 | RS      | 09/16/22 15:04 | H3    |
| EPA 300.0                             | <b>Sulfate as SO<sub>4</sub></b> | 3.04       | mg/L                      | 0.30     | 0.18     |          | X238253 | RS      | 09/16/22 15:04 |       |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

**Dave Tryon**  
Project Manager



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210271**  
Reported: 05-Oct-22 20:31

Client Sample ID: **GWMW-010-220914**

Sampled: 14-Sep-22 09:30

Received: 16-Sep-22

Sampled By: GF/MT

SVL Sample ID: **X210271-02 (Ground Water)****Sample Report Page 1 of 1**

| Method                                | Analyte                    | Result     | Units                     | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes |
|---------------------------------------|----------------------------|------------|---------------------------|----------|----------|----------|---------|---------|----------------|-------|
| <b>Metals (Total)</b>                 |                            |            |                           |          |          |          |         |         |                |       |
| EPA 7470A                             | Mercury                    | < 0.000200 | mg/L                      | 0.000200 | 0.000093 |          | X240111 | JRR     | 09/29/22 11:37 |       |
| <b>Metals (Total Recoverable)</b>     |                            |            |                           |          |          |          |         |         |                |       |
| EPA 6010D                             | Barium                     | 0.0449     | mg/L                      | 0.0040   | 0.0019   |          | X239205 | JRR     | 09/27/22 13:01 |       |
| EPA 6010D                             | Lead                       | < 0.0150   | mg/L                      | 0.0150   | 0.0049   |          | X239205 | JRR     | 09/27/22 13:01 |       |
| EPA 6010D                             | Manganese                  | < 0.0080   | mg/L                      | 0.0080   | 0.0034   |          | X239205 | JRR     | 09/27/22 13:01 |       |
| EPA 6010D                             | Vanadium                   | < 0.0050   | mg/L                      | 0.0050   | 0.0019   |          | X239205 | JRR     | 09/27/22 13:01 |       |
| EPA 6010D                             | Zinc                       | < 0.0100   | mg/L                      | 0.0100   | 0.0054   |          | X239205 | JRR     | 09/27/22 13:01 |       |
| EPA 6020B                             | Arsenic                    | < 0.00300  | mg/L                      | 0.00300  | 0.00021  |          | X239218 | AS      | 10/04/22 16:11 |       |
| <b>Classical Chemistry Parameters</b> |                            |            |                           |          |          |          |         |         |                |       |
| EPA 350.1                             | Ammonia as N               | < 0.030    | mg/L                      | 0.030    | 0.013    |          | X240019 | KJR     | 09/27/22 18:23 |       |
| SM 2320 B                             | Total Alkalinity           | 94.9       | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:59 |       |
| SM 2320 B                             | Bicarbonate                | 94.9       | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:59 |       |
| SM 2320 B                             | Carbonate                  | < 1.0      | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 12:59 |       |
| SM 2540 C                             | Total Diss. Solids         | 128        | mg/L                      | 10       |          |          | X239004 | TJL     | 09/19/22 15:10 |       |
| SM 5310B                              | Total Organic Carbon       | < 1.00     | mg/L                      | 1.00     | 0.38     |          | X239027 | RS      | 09/20/22 12:00 |       |
| <b>Anions by Ion Chromatography</b>   |                            |            |                           |          |          |          |         |         |                |       |
| EPA 300.0                             | Chloride                   | 0.47       | mg/L                      | 0.20     | 0.02     |          | X238253 | RS      | 09/16/22 15:37 |       |
| EPA 300.0                             | Nitrate as N               | 0.248      | mg/L                      | 0.050    | 0.013    |          | X238253 | RS      | 09/16/22 15:37 | H3    |
| EPA 300.0                             | Sulfate as SO <sub>4</sub> | 1.11       | mg/L                      | 0.30     | 0.18     |          | X238253 | RS      | 09/16/22 15:37 |       |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

**Dave Tryon**  
Project Manager



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210271**  
Reported: 05-Oct-22 20:31

Client Sample ID: **MWS-1-1-220914**

Sampled: 14-Sep-22 09:45

Received: 16-Sep-22

Sampled By: GF/MT

SVL Sample ID: **X210271-03 (Ground Water)**

## Sample Report Page 1 of 1

| Method                                | Analyte                          | Result     | Units                     | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes |
|---------------------------------------|----------------------------------|------------|---------------------------|----------|----------|----------|---------|---------|----------------|-------|
| <b>Metals (Total)</b>                 |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 7470A                             | Mercury                          | < 0.000200 | mg/L                      | 0.000200 | 0.000093 |          | X240111 | JRR     | 09/29/22 11:39 |       |
| <b>Metals (Total Recoverable)</b>     |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 6010D                             | <b>Barium</b>                    | 0.135      | mg/L                      | 0.0040   | 0.0019   |          | X239205 | JRR     | 09/27/22 13:04 |       |
| EPA 6010D                             | Lead                             | < 0.0150   | mg/L                      | 0.0150   | 0.0049   |          | X239205 | JRR     | 09/27/22 13:04 |       |
| EPA 6010D                             | <b>Manganese</b>                 | 0.546      | mg/L                      | 0.0080   | 0.0034   |          | X239205 | JRR     | 09/27/22 13:04 |       |
| EPA 6010D                             | <b>Vanadium</b>                  | 0.0051     | mg/L                      | 0.0050   | 0.0019   |          | X239205 | JRR     | 09/27/22 13:04 |       |
| EPA 6010D                             | Zinc                             | < 0.0100   | mg/L                      | 0.0100   | 0.0054   |          | X239205 | JRR     | 09/27/22 13:04 |       |
| EPA 6020B                             | Arsenic                          | < 0.00300  | mg/L                      | 0.00300  | 0.00021  |          | X239218 | AS      | 10/04/22 16:14 |       |
| <b>Classical Chemistry Parameters</b> |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 350.1                             | Ammonia as N                     | < 0.030    | mg/L                      | 0.030    | 0.013    |          | X240019 | KJR     | 09/27/22 18:26 |       |
| SM 2320 B                             | <b>Total Alkalinity</b>          | 249        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:07 |       |
| SM 2320 B                             | <b>Bicarbonate</b>               | 249        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:07 |       |
| SM 2320 B                             | Carbonate                        | < 1.0      | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:07 |       |
| SM 2540 C                             | <b>Total Diss. Solids</b>        | 278        | mg/L                      | 10       |          |          | X239004 | TJL     | 09/19/22 15:10 |       |
| SM 5310B                              | <b>Total Organic Carbon</b>      | 2.33       | mg/L                      | 1.00     | 0.38     |          | X239027 | RS      | 09/20/22 12:00 |       |
| <b>Anions by Ion Chromatography</b>   |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 300.0                             | <b>Chloride</b>                  | 12.2       | mg/L                      | 2.00     | 0.22     | 10       | X238253 | RS      | 09/16/22 16:10 | D2    |
| EPA 300.0                             | Nitrate as N                     | < 0.050    | mg/L                      | 0.050    | 0.013    |          | X238253 | RS      | 09/16/22 15:53 | H3    |
| EPA 300.0                             | <b>Sulfate as SO<sub>4</sub></b> | 3.02       | mg/L                      | 0.30     | 0.18     |          | X238253 | RS      | 09/16/22 15:53 |       |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

**Dave Tryon**  
Project Manager



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210271**  
Reported: 05-Oct-22 20:31

Client Sample ID: **GWMW-016-220914**

Sampled: 14-Sep-22 12:00

Received: 16-Sep-22

Sampled By: GF/MT

SVL Sample ID: **X210271-04 (Ground Water)****Sample Report Page 1 of 1**

| Method                                | Analyte                          | Result     | Units                     | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes |
|---------------------------------------|----------------------------------|------------|---------------------------|----------|----------|----------|---------|---------|----------------|-------|
| <b>Metals (Total)</b>                 |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 7470A                             | Mercury                          | < 0.000200 | mg/L                      | 0.000200 | 0.000093 |          | X240111 | JRR     | 09/29/22 12:33 |       |
| <b>Metals (Total Recoverable)</b>     |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 6010D                             | <b>Barium</b>                    | 0.674      | mg/L                      | 0.0040   | 0.0019   |          | X239205 | JRR     | 09/27/22 13:08 |       |
| EPA 6010D                             | Lead                             | < 0.0150   | mg/L                      | 0.0150   | 0.0049   |          | X239205 | JRR     | 09/27/22 13:08 |       |
| EPA 6010D                             | <b>Manganese</b>                 | 0.503      | mg/L                      | 0.0080   | 0.0034   |          | X239205 | JRR     | 09/27/22 13:08 |       |
| EPA 6010D                             | Vanadium                         | < 0.0050   | mg/L                      | 0.0050   | 0.0019   |          | X239205 | JRR     | 09/27/22 13:08 |       |
| EPA 6010D                             | Zinc                             | < 0.0100   | mg/L                      | 0.0100   | 0.0054   |          | X239205 | JRR     | 09/27/22 13:08 |       |
| EPA 6020B                             | <b>Arsenic</b>                   | 0.0649     | mg/L                      | 0.00300  | 0.00021  |          | X239218 | AS      | 10/04/22 16:17 |       |
| <b>Classical Chemistry Parameters</b> |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 350.1                             | <b>Ammonia as N</b>              | 0.456      | mg/L                      | 0.030    | 0.013    |          | X240019 | KJR     | 09/27/22 18:40 |       |
| SM 2320 B                             | <b>Total Alkalinity</b>          | 1360       | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:15 |       |
| SM 2320 B                             | <b>Bicarbonate</b>               | 1360       | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:15 |       |
| SM 2320 B                             | Carbonate                        | < 1.0      | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:15 |       |
| SM 2540 C                             | <b>Total Diss. Solids</b>        | 1540       | mg/L                      | 10       |          |          | X239004 | TJL     | 09/19/22 15:10 |       |
| SM 5310B                              | <b>Total Organic Carbon</b>      | 34.0       | mg/L                      | 1.00     | 0.38     |          | X239027 | RS      | 09/20/22 12:00 |       |
| <b>Anions by Ion Chromatography</b>   |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 300.0                             | <b>Chloride</b>                  | 164        | mg/L                      | 5.00     | 0.55     | 25       | X238253 | RS      | 09/16/22 16:43 | D2    |
| EPA 300.0                             | <b>Nitrate as N</b>              | 0.152      | mg/L                      | 0.050    | 0.013    |          | X238253 | RS      | 09/16/22 16:27 | H3    |
| EPA 300.0                             | <b>Sulfate as SO<sub>4</sub></b> | 1.18       | mg/L                      | 0.30     | 0.18     |          | X238253 | RS      | 09/16/22 16:27 |       |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

**Dave Tryon**  
Project Manager



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210271**  
Reported: 05-Oct-22 20:31

Client Sample ID: **GWMW-019R-220914**

Sampled: 14-Sep-22 12:01

Received: 16-Sep-22

Sampled By: GF/MT

SVL Sample ID: **X210271-05 (Ground Water)****Sample Report Page 1 of 1**

| Method                                | Analyte                          | Result     | Units                     | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes |
|---------------------------------------|----------------------------------|------------|---------------------------|----------|----------|----------|---------|---------|----------------|-------|
| <b>Metals (Total)</b>                 |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 7470A                             | Mercury                          | < 0.000200 | mg/L                      | 0.000200 | 0.000093 |          | X240111 | JRR     | 09/29/22 11:44 |       |
| <b>Metals (Total Recoverable)</b>     |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 6010D                             | <b>Barium</b>                    | 0.0320     | mg/L                      | 0.0040   | 0.0019   |          | X239205 | JRR     | 09/27/22 13:11 |       |
| EPA 6010D                             | Lead                             | < 0.0150   | mg/L                      | 0.0150   | 0.0049   |          | X239205 | JRR     | 09/27/22 13:11 |       |
| EPA 6010D                             | Manganese                        | < 0.0080   | mg/L                      | 0.0080   | 0.0034   |          | X239205 | JRR     | 09/27/22 13:11 |       |
| EPA 6010D                             | Vanadium                         | < 0.0050   | mg/L                      | 0.0050   | 0.0019   |          | X239205 | JRR     | 09/27/22 13:11 |       |
| EPA 6010D                             | Zinc                             | < 0.0100   | mg/L                      | 0.0100   | 0.0054   |          | X239205 | JRR     | 09/27/22 13:11 |       |
| EPA 6020B                             | Arsenic                          | < 0.00300  | mg/L                      | 0.00300  | 0.00021  |          | X239218 | AS      | 10/04/22 16:20 |       |
| <b>Classical Chemistry Parameters</b> |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 350.1                             | Ammonia as N                     | < 0.030    | mg/L                      | 0.030    | 0.013    |          | X240019 | KJR     | 09/27/22 18:42 |       |
| SM 2320 B                             | <b>Total Alkalinity</b>          | 107        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:23 |       |
| SM 2320 B                             | <b>Bicarbonate</b>               | 107        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:23 |       |
| SM 2320 B                             | Carbonate                        | < 1.0      | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:23 |       |
| SM 2540 C                             | <b>Total Diss. Solids</b>        | 214        | mg/L                      | 10       |          |          | X239004 | TJL     | 09/19/22 15:10 |       |
| SM 5310B                              | Total Organic Carbon             | < 1.00     | mg/L                      | 1.00     | 0.38     |          | X239027 | RS      | 09/21/22 12:00 |       |
| <b>Anions by Ion Chromatography</b>   |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 300.0                             | <b>Chloride</b>                  | 5.82       | mg/L                      | 0.20     | 0.02     |          | X238253 | RS      | 09/16/22 17:33 |       |
| EPA 300.0                             | <b>Nitrate as N</b>              | 1.29       | mg/L                      | 0.050    | 0.013    |          | X238253 | RS      | 09/16/22 17:33 | H3    |
| EPA 300.0                             | <b>Sulfate as SO<sub>4</sub></b> | 4.72       | mg/L                      | 0.30     | 0.18     |          | X238253 | RS      | 09/16/22 17:33 |       |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

**Dave Tryon**  
Project Manager



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210271**  
Reported: 05-Oct-22 20:31

Client Sample ID: **GWMW-023-220914**

Sampled: 14-Sep-22 09:55

Received: 16-Sep-22

Sampled By: GF/MT

SVL Sample ID: **X210271-06 (Ground Water)**

## Sample Report Page 1 of 1

| Method                                | Analyte                          | Result     | Units                     | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes |
|---------------------------------------|----------------------------------|------------|---------------------------|----------|----------|----------|---------|---------|----------------|-------|
| <b>Metals (Total)</b>                 |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 7470A                             | Mercury                          | < 0.000200 | mg/L                      | 0.000200 | 0.000093 |          | X240111 | JRR     | 09/29/22 11:46 |       |
| <b>Metals (Total Recoverable)</b>     |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 6010D                             | <b>Barium</b>                    | 0.126      | mg/L                      | 0.0040   | 0.0019   |          | X239205 | JRR     | 09/27/22 13:15 |       |
| EPA 6010D                             | Lead                             | < 0.0150   | mg/L                      | 0.0150   | 0.0049   |          | X239205 | JRR     | 09/27/22 13:15 |       |
| EPA 6010D                             | <b>Manganese</b>                 | 0.921      | mg/L                      | 0.0080   | 0.0034   |          | X239205 | JRR     | 09/27/22 13:15 |       |
| EPA 6010D                             | Vanadium                         | < 0.0050   | mg/L                      | 0.0050   | 0.0019   |          | X239205 | JRR     | 09/27/22 13:15 |       |
| EPA 6010D                             | Zinc                             | < 0.0100   | mg/L                      | 0.0100   | 0.0054   |          | X239205 | JRR     | 09/27/22 13:15 |       |
| EPA 6020B                             | Arsenic                          | < 0.00300  | mg/L                      | 0.00300  | 0.00021  |          | X239218 | AS      | 10/04/22 16:23 |       |
| <b>Classical Chemistry Parameters</b> |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 350.1                             | Ammonia as N                     | < 0.030    | mg/L                      | 0.030    | 0.013    |          | X240019 | KJR     | 09/27/22 18:45 |       |
| SM 2320 B                             | <b>Total Alkalinity</b>          | 329        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:30 |       |
| SM 2320 B                             | <b>Bicarbonate</b>               | 329        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:30 |       |
| SM 2320 B                             | Carbonate                        | < 1.0      | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:30 |       |
| SM 2540 C                             | <b>Total Diss. Solids</b>        | 438        | mg/L                      | 10       |          |          | X239004 | TJL     | 09/19/22 15:10 |       |
| SM 5310B                              | <b>Total Organic Carbon</b>      | 2.29       | mg/L                      | 1.00     | 0.38     |          | X239027 | RS      | 09/20/22 12:00 |       |
| <b>Anions by Ion Chromatography</b>   |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 300.0                             | <b>Chloride</b>                  | 43.5       | mg/L                      | 2.00     | 0.22     | 10       | X238253 | RS      | 09/16/22 18:39 | D2    |
| EPA 300.0                             | Nitrate as N                     | < 0.050    | mg/L                      | 0.050    | 0.013    |          | X238253 | RS      | 09/16/22 18:22 | H3    |
| EPA 300.0                             | <b>Sulfate as SO<sub>4</sub></b> | 8.96       | mg/L                      | 0.30     | 0.18     |          | X238253 | RS      | 09/16/22 18:22 |       |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

**Dave Tryon**  
Project Manager



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210271**  
Reported: 05-Oct-22 20:31

Client Sample ID: **GWMW-029-220914**

Sampled: 14-Sep-22 11:07

Received: 16-Sep-22

Sampled By: GF/MT

SVL Sample ID: **X210271-07 (Ground Water)****Sample Report Page 1 of 1**

| Method                                | Analyte                          | Result     | Units                     | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes |
|---------------------------------------|----------------------------------|------------|---------------------------|----------|----------|----------|---------|---------|----------------|-------|
| <b>Metals (Total)</b>                 |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 7470A                             | Mercury                          | < 0.000200 | mg/L                      | 0.000200 | 0.000093 |          | X240111 | JRR     | 09/29/22 11:48 |       |
| <b>Metals (Total Recoverable)</b>     |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 6010D                             | <b>Barium</b>                    | 0.100      | mg/L                      | 0.0040   | 0.0019   |          | X239205 | JRR     | 09/27/22 13:18 |       |
| EPA 6010D                             | Lead                             | < 0.0150   | mg/L                      | 0.0150   | 0.0049   |          | X239205 | JRR     | 09/27/22 13:18 |       |
| EPA 6010D                             | Manganese                        | < 0.0080   | mg/L                      | 0.0080   | 0.0034   |          | X239205 | JRR     | 09/27/22 13:18 |       |
| EPA 6010D                             | Vanadium                         | < 0.0050   | mg/L                      | 0.0050   | 0.0019   |          | X239205 | JRR     | 09/27/22 13:18 |       |
| EPA 6010D                             | Zinc                             | < 0.0100   | mg/L                      | 0.0100   | 0.0054   |          | X239205 | JRR     | 09/27/22 13:18 |       |
| EPA 6020B                             | Arsenic                          | < 0.00300  | mg/L                      | 0.00300  | 0.00021  |          | X239218 | AS      | 10/04/22 16:26 |       |
| <b>Classical Chemistry Parameters</b> |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 350.1                             | Ammonia as N                     | < 0.030    | mg/L                      | 0.030    | 0.013    |          | X240019 | KJR     | 09/27/22 18:47 |       |
| SM 2320 B                             | <b>Total Alkalinity</b>          | 108        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:38 |       |
| SM 2320 B                             | <b>Bicarbonate</b>               | 108        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:38 |       |
| SM 2320 B                             | Carbonate                        | < 1.0      | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:38 |       |
| SM 2540 C                             | <b>Total Diss. Solids</b>        | 466        | mg/L                      | 10       |          |          | X239004 | TJL     | 09/19/22 15:10 |       |
| SM 5310B                              | Total Organic Carbon             | < 1.00     | mg/L                      | 1.00     | 0.38     |          | X239027 | RS      | 09/20/22 12:00 |       |
| <b>Anions by Ion Chromatography</b>   |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 300.0                             | <b>Chloride</b>                  | 141        | mg/L                      | 5.00     | 0.55     | 25       | X238253 | RS      | 09/16/22 19:12 | D2    |
| EPA 300.0                             | <b>Nitrate as N</b>              | 0.516      | mg/L                      | 0.050    | 0.013    |          | X238253 | RS      | 09/16/22 18:56 | H3    |
| EPA 300.0                             | <b>Sulfate as SO<sub>4</sub></b> | 7.62       | mg/L                      | 0.30     | 0.18     |          | X238253 | RS      | 09/16/22 18:56 |       |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

**Dave Tryon**  
Project Manager



Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210271**  
Reported: 05-Oct-22 20:31

Client Sample ID: **MWS-1-2-220914**

Sampled: 14-Sep-22 09:39

Received: 16-Sep-22

Sampled By: GF/MT

SVL Sample ID: **X210271-08 (Ground Water)**

## Sample Report Page 1 of 1

| Method                                | Analyte                          | Result     | Units                     | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes |
|---------------------------------------|----------------------------------|------------|---------------------------|----------|----------|----------|---------|---------|----------------|-------|
| <b>Metals (Total)</b>                 |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 7470A                             | Mercury                          | < 0.000200 | mg/L                      | 0.000200 | 0.000093 |          | X240111 | JRR     | 09/29/22 11:56 |       |
| <b>Metals (Total Recoverable)</b>     |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 6010D                             | <b>Barium</b>                    | 0.123      | mg/L                      | 0.0040   | 0.0019   |          | X239205 | JRR     | 09/27/22 13:22 |       |
| EPA 6010D                             | Lead                             | < 0.0150   | mg/L                      | 0.0150   | 0.0049   |          | X239205 | JRR     | 09/27/22 13:22 |       |
| EPA 6010D                             | <b>Manganese</b>                 | 0.912      | mg/L                      | 0.0080   | 0.0034   |          | X239205 | JRR     | 09/27/22 13:22 |       |
| EPA 6010D                             | Vanadium                         | < 0.0050   | mg/L                      | 0.0050   | 0.0019   |          | X239205 | JRR     | 09/27/22 13:22 |       |
| EPA 6010D                             | Zinc                             | < 0.0100   | mg/L                      | 0.0100   | 0.0054   |          | X239205 | JRR     | 09/27/22 13:22 |       |
| EPA 6020B                             | Arsenic                          | < 0.00300  | mg/L                      | 0.00300  | 0.00021  |          | X239218 | AS      | 10/04/22 16:34 |       |
| <b>Classical Chemistry Parameters</b> |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 350.1                             | Ammonia as N                     | < 0.030    | mg/L                      | 0.030    | 0.013    |          | X240019 | KJR     | 09/27/22 18:50 |       |
| SM 2320 B                             | <b>Total Alkalinity</b>          | 330        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:45 |       |
| SM 2320 B                             | <b>Bicarbonate</b>               | 330        | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:45 |       |
| SM 2320 B                             | Carbonate                        | < 1.0      | mg/L as CaCO <sub>3</sub> | 1.0      |          |          | X240033 | MWD     | 09/27/22 13:45 |       |
| SM 2540 C                             | <b>Total Diss. Solids</b>        | 451        | mg/L                      | 10       |          |          | X239004 | TJL     | 09/19/22 15:10 |       |
| SM 5310B                              | <b>Total Organic Carbon</b>      | 2.04       | mg/L                      | 1.00     | 0.38     |          | X239027 | RS      | 09/20/22 12:00 |       |
| <b>Anions by Ion Chromatography</b>   |                                  |            |                           |          |          |          |         |         |                |       |
| EPA 300.0                             | <b>Chloride</b>                  | 44.2       | mg/L                      | 2.00     | 0.22     | 10       | X238253 | RS      | 09/16/22 19:45 | D2    |
| EPA 300.0                             | Nitrate as N                     | < 0.050    | mg/L                      | 0.050    | 0.013    |          | X238253 | RS      | 09/16/22 19:29 | H3    |
| EPA 300.0                             | <b>Sulfate as SO<sub>4</sub></b> | 9.00       | mg/L                      | 0.30     | 0.18     |          | X238253 | RS      | 09/16/22 19:29 |       |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

**Dave Tryon**  
Project Manager



Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road

Colbert, WA 99005

Work Order:

**X210271**

Reported:

05-Oct-22 20:31

**Quality Control - BLANK Data**

| Method | Analyte | Units | Result | MDL | MRL | Batch ID | Analyzed | Notes |
|--------|---------|-------|--------|-----|-----|----------|----------|-------|
|--------|---------|-------|--------|-----|-----|----------|----------|-------|

**Metals (Total)**

|           |         |      |           |          |          |         |           |  |
|-----------|---------|------|-----------|----------|----------|---------|-----------|--|
| EPA 7470A | Mercury | mg/L | <0.000200 | 0.000093 | 0.000200 | X240111 | 29-Sep-22 |  |
|-----------|---------|------|-----------|----------|----------|---------|-----------|--|

**Metals (Total Recoverable)**

|           |           |      |          |         |         |         |           |  |
|-----------|-----------|------|----------|---------|---------|---------|-----------|--|
| EPA 6010D | Barium    | mg/L | <0.0040  | 0.0019  | 0.0040  | X239205 | 27-Sep-22 |  |
| EPA 6010D | Lead      | mg/L | <0.0150  | 0.0049  | 0.0150  | X239205 | 27-Sep-22 |  |
| EPA 6010D | Manganese | mg/L | <0.0080  | 0.0034  | 0.0080  | X239205 | 27-Sep-22 |  |
| EPA 6010D | Vanadium  | mg/L | <0.0050  | 0.0019  | 0.0050  | X239205 | 27-Sep-22 |  |
| EPA 6010D | Zinc      | mg/L | <0.0100  | 0.0054  | 0.0100  | X239205 | 27-Sep-22 |  |
| EPA 6020B | Arsenic   | mg/L | <0.00300 | 0.00021 | 0.00300 | X239218 | 04-Oct-22 |  |

**Classical Chemistry Parameters**

|           |                      |                           |        |       |       |         |           |  |
|-----------|----------------------|---------------------------|--------|-------|-------|---------|-----------|--|
| EPA 350.1 | Ammonia as N         | mg/L                      | <0.030 | 0.013 | 0.030 | X240019 | 27-Sep-22 |  |
| SM 2320 B | Total Alkalinity     | mg/L as CaCO <sub>3</sub> | <1.0   |       | 1.0   | X240033 | 27-Sep-22 |  |
| SM 2320 B | Bicarbonate          | mg/L as CaCO <sub>3</sub> | <1.0   |       | 1.0   | X240033 | 27-Sep-22 |  |
| SM 2320 B | Carbonate            | mg/L as CaCO <sub>3</sub> | <1.0   |       | 1.0   | X240033 | 27-Sep-22 |  |
| SM 2540 C | Total Diss. Solids   | mg/L                      | <10    |       | 10    | X239004 | 19-Sep-22 |  |
| SM 5310B  | Total Organic Carbon | mg/L                      | <1.00  | 0.38  | 1.00  | X239027 | 20-Sep-22 |  |

**Anions by Ion Chromatography**

|           |                            |      |        |       |       |         |           |  |
|-----------|----------------------------|------|--------|-------|-------|---------|-----------|--|
| EPA 300.0 | Chloride                   | mg/L | <0.20  | 0.02  | 0.20  | X238253 | 16-Sep-22 |  |
| EPA 300.0 | Nitrate as N               | mg/L | <0.050 | 0.013 | 0.050 | X238253 | 16-Sep-22 |  |
| EPA 300.0 | Sulfate as SO <sub>4</sub> | mg/L | <0.30  | 0.18  | 0.30  | X238253 | 16-Sep-22 |  |

**Quality Control - LABORATORY CONTROL SAMPLE Data**

| Method | Analyte | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed | Notes |
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|

**Metals (Total)**

|           |         |      |         |         |      |          |         |           |  |
|-----------|---------|------|---------|---------|------|----------|---------|-----------|--|
| EPA 7470A | Mercury | mg/L | 0.00198 | 0.00200 | 98.9 | 80 - 120 | X240111 | 29-Sep-22 |  |
|-----------|---------|------|---------|---------|------|----------|---------|-----------|--|

**Metals (Total Recoverable)**

|           |           |      |        |        |      |          |         |           |  |
|-----------|-----------|------|--------|--------|------|----------|---------|-----------|--|
| EPA 6010D | Barium    | mg/L | 0.984  | 1.00   | 98.4 | 80 - 120 | X239205 | 27-Sep-22 |  |
| EPA 6010D | Lead      | mg/L | 0.983  | 1.00   | 98.3 | 80 - 120 | X239205 | 27-Sep-22 |  |
| EPA 6010D | Manganese | mg/L | 0.977  | 1.00   | 97.7 | 80 - 120 | X239205 | 27-Sep-22 |  |
| EPA 6010D | Vanadium  | mg/L | 0.994  | 1.00   | 99.4 | 80 - 120 | X239205 | 27-Sep-22 |  |
| EPA 6010D | Zinc      | mg/L | 0.977  | 1.00   | 97.7 | 80 - 120 | X239205 | 27-Sep-22 |  |
| EPA 6020B | Arsenic   | mg/L | 0.0238 | 0.0250 | 95.3 | 80 - 120 | X239218 | 04-Oct-22 |  |

**Classical Chemistry Parameters**

|           |                      |                           |      |      |      |            |         |           |  |
|-----------|----------------------|---------------------------|------|------|------|------------|---------|-----------|--|
| EPA 350.1 | Ammonia as N         | mg/L                      | 1.00 | 1.00 | 100  | 90 - 110   | X240019 | 27-Sep-22 |  |
| SM 2320 B | Total Alkalinity     | mg/L as CaCO <sub>3</sub> | 102  | 99.3 | 103  | 96.4 - 105 | X240033 | 27-Sep-22 |  |
| SM 2320 B | Total Alkalinity     | mg/L as CaCO <sub>3</sub> | 404  | 397  | 102  | 96.4 - 105 | X240033 | 27-Sep-22 |  |
| SM 5310B  | Total Organic Carbon | mg/L                      | 33.8 | 34.3 | 98.4 | 90 - 110   | X239027 | 20-Sep-22 |  |
| SM 5310B  | Total Organic Carbon | mg/L                      | 33.8 | 34.3 | 98.5 | 90 - 110   | X239027 | 20-Sep-22 |  |

**Anions by Ion Chromatography**

|           |                            |      |      |      |      |          |         |           |  |
|-----------|----------------------------|------|------|------|------|----------|---------|-----------|--|
| EPA 300.0 | Chloride                   | mg/L | 2.94 | 3.00 | 97.9 | 90 - 110 | X238253 | 16-Sep-22 |  |
| EPA 300.0 | Nitrate as N               | mg/L | 1.96 | 2.00 | 98.2 | 90 - 110 | X238253 | 16-Sep-22 |  |
| EPA 300.0 | Sulfate as SO <sub>4</sub> | mg/L | 10.3 | 10.0 | 103  | 90 - 110 | X238253 | 16-Sep-22 |  |



## Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road

Colbert, WA 99005

Work Order:

**X210271**

Reported:

05-Oct-22 20:31

**Quality Control - DUPLICATE Data**

| Method | Analyte | Units | Duplicate Result | Sample Result | RPD | RPD Limit | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|------------------|---------------|-----|-----------|---------------------|----------|-------|
|--------|---------|-------|------------------|---------------|-----|-----------|---------------------|----------|-------|

**Classical Chemistry Parameters**

|           |                    |                           |      |      |     |    |                      |           |  |
|-----------|--------------------|---------------------------|------|------|-----|----|----------------------|-----------|--|
| SM 2320 B | Total Alkalinity   | mg/L as CaCO <sub>3</sub> | 77.9 | 81.3 | 4.3 | 20 | X240033 - X210253-07 | 27-Sep-22 |  |
| SM 2320 B | Bicarbonate        | mg/L as CaCO <sub>3</sub> | 77.9 | 81.3 | 4.3 | 20 | X240033 - X210253-07 | 27-Sep-22 |  |
| SM 2320 B | Carbonate          | mg/L as CaCO <sub>3</sub> | <1.0 | <1.0 | UDL | 20 | X240033 - X210253-07 | 27-Sep-22 |  |
| SM 2540 C | Total Diss. Solids | mg/L                      | 446  | 451  | 1.1 | 10 | X239004 - X210271-08 | 19-Sep-22 |  |

**Quality Control - MATRIX SPIKE Data**

| Method | Analyte | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|

**Metals (Total)**

|           |         |      |         |           |         |      |          |                      |           |  |
|-----------|---------|------|---------|-----------|---------|------|----------|----------------------|-----------|--|
| EPA 7470A | Mercury | mg/L | 0.00203 | <0.000200 | 0.00200 | 101  | 75 - 125 | X240111 - X210253-07 | 29-Sep-22 |  |
| EPA 7470A | Mercury | mg/L | 0.00200 | <0.000200 | 0.00200 | 99.8 | 75 - 125 | X240111 - X210271-07 | 29-Sep-22 |  |

**Metals (Total Recoverable)**

|           |           |      |        |          |        |      |          |                      |           |  |
|-----------|-----------|------|--------|----------|--------|------|----------|----------------------|-----------|--|
| EPA 6010D | Barium    | mg/L | 0.997  | <0.0040  | 1.00   | 99.7 | 75 - 125 | X239205 - X210253-07 | 27-Sep-22 |  |
| EPA 6010D | Lead      | mg/L | 0.972  | <0.0150  | 1.00   | 97.2 | 75 - 125 | X239205 - X210253-07 | 27-Sep-22 |  |
| EPA 6010D | Manganese | mg/L | 1.08   | 0.0970   | 1.00   | 98.4 | 75 - 125 | X239205 - X210253-07 | 27-Sep-22 |  |
| EPA 6010D | Vanadium  | mg/L | 1.01   | <0.0050  | 1.00   | 101  | 75 - 125 | X239205 - X210253-07 | 27-Sep-22 |  |
| EPA 6010D | Zinc      | mg/L | 0.975  | <0.0100  | 1.00   | 97.5 | 75 - 125 | X239205 - X210253-07 | 27-Sep-22 |  |
| EPA 6020B | Arsenic   | mg/L | 0.0242 | <0.00300 | 0.0250 | 94.4 | 75 - 125 | X239218 - X210253-07 | 04-Oct-22 |  |

**Classical Chemistry Parameters**

|           |                      |      |       |        |      |      |          |                      |           |  |
|-----------|----------------------|------|-------|--------|------|------|----------|----------------------|-----------|--|
| EPA 350.1 | Ammonia as N         | mg/L | 0.996 | <0.030 | 1.00 | 99.6 | 90 - 110 | X240019 - X210271-01 | 27-Sep-22 |  |
| EPA 350.1 | Ammonia as N         | mg/L | 1.02  | <0.030 | 1.00 | 102  | 90 - 110 | X240019 - X210377-01 | 27-Sep-22 |  |
| SM 5310B  | Total Organic Carbon | mg/L | 10.7  | <1.00  | 10.0 | 102  | 80 - 120 | X239027 - X210253-07 | 20-Sep-22 |  |

**Anions by Ion Chromatography**

|           |                            |      |      |      |      |      |          |                      |           |  |
|-----------|----------------------------|------|------|------|------|------|----------|----------------------|-----------|--|
| EPA 300.0 | Chloride                   | mg/L | 8.95 | 5.82 | 3.00 | 104  | 90 - 110 | X238253 - X210271-05 | 16-Sep-22 |  |
| EPA 300.0 | Nitrate as N               | mg/L | 3.27 | 1.29 | 2.00 | 98.8 | 90 - 110 | X238253 - X210271-05 | 16-Sep-22 |  |
| EPA 300.0 | Sulfate as SO <sub>4</sub> | mg/L | 15.1 | 4.72 | 10.0 | 104  | 90 - 110 | X238253 - X210271-05 | 16-Sep-22 |  |

**Quality Control - MATRIX SPIKE DUPLICATE Data**

| Method | Analyte | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID | Notes |
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|

**Metals (Total)**

|           |         |      |         |         |         |     |    |     |                      |  |
|-----------|---------|------|---------|---------|---------|-----|----|-----|----------------------|--|
| EPA 7470A | Mercury | mg/L | 0.00205 | 0.00203 | 0.00200 | 0.8 | 20 | 102 | X240111 - X210253-07 |  |
|-----------|---------|------|---------|---------|---------|-----|----|-----|----------------------|--|

**Metals (Total Recoverable)**

|           |           |      |        |        |        |     |    |      |                      |  |
|-----------|-----------|------|--------|--------|--------|-----|----|------|----------------------|--|
| EPA 6010D | Barium    | mg/L | 0.998  | 0.997  | 1.00   | 0.1 | 20 | 99.8 | X239205 - X210253-07 |  |
| EPA 6010D | Lead      | mg/L | 0.972  | 0.972  | 1.00   | 0.0 | 20 | 97.2 | X239205 - X210253-07 |  |
| EPA 6010D | Manganese | mg/L | 1.09   | 1.08   | 1.00   | 0.4 | 20 | 98.8 | X239205 - X210253-07 |  |
| EPA 6010D | Vanadium  | mg/L | 0.982  | 1.01   | 1.00   | 3.0 | 20 | 98.2 | X239205 - X210253-07 |  |
| EPA 6010D | Zinc      | mg/L | 0.972  | 0.975  | 1.00   | 0.3 | 20 | 97.2 | X239205 - X210253-07 |  |
| EPA 6020B | Arsenic   | mg/L | 0.0246 | 0.0242 | 0.0250 | 1.6 | 20 | 96.0 | X239218 - X210253-07 |  |

**Classical Chemistry Parameters**

|           |                      |      |      |       |      |     |    |      |                      |  |
|-----------|----------------------|------|------|-------|------|-----|----|------|----------------------|--|
| EPA 350.1 | Ammonia as N         | mg/L | 1.02 | 0.996 | 1.00 | 2.1 | 20 | 102  | X240019 - X210271-01 |  |
| SM 5310B  | Total Organic Carbon | mg/L | 10.4 | 10.7  | 10.0 | 3.1 | 20 | 99.0 | X239027 - X210253-07 |  |



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

[www.svl.net](http://www.svl.net)

Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210271**  
Reported: 05-Oct-22 20:31

| Quality Control - MATRIX SPIKE DUPLICATE Data |         |       |            | (Continued)  |             |     |           |            |                     |       |
|-----------------------------------------------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|
| Method                                        | Analyte | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID | Notes |

**Anions by Ion Chromatography**

|           |                |      |      |      |      |     |    |      |                      |  |
|-----------|----------------|------|------|------|------|-----|----|------|----------------------|--|
| EPA 300.0 | Chloride       | mg/L | 8.88 | 8.95 | 3.00 | 0.7 | 20 | 102  | X238253 - X210271-05 |  |
| EPA 300.0 | Nitrate as N   | mg/L | 3.22 | 3.27 | 2.00 | 1.3 | 20 | 96.7 | X238253 - X210271-05 |  |
| EPA 300.0 | Sulfate as SO4 | mg/L | 14.9 | 15.1 | 10.0 | 1.5 | 20 | 102  | X238253 - X210271-05 |  |



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

[www.svl.net](http://www.svl.net)

Spokane County Environmental Services (Colbert)  
22515 N. Elk Chattaroy Road  
Colbert, WA 99005

Work Order: **X210271**  
Reported: 05-Oct-22 20:31

### Notes and Definitions

|         |                                                                                     |
|---------|-------------------------------------------------------------------------------------|
| D2      | Sample required dilution due to high concentration of target analyte.               |
| H3      | Sample was received and/or analysis requested past holding time.                    |
| LCS     | Laboratory Control Sample (Blank Spike)                                             |
| RPD     | Relative Percent Difference                                                         |
| UDL     | A result is less than the detection limit                                           |
| 0.30R>S | % recovery not applicable; spike level is less than 30% of the sample concentration |
| <RL     | A result is less than the reporting limit                                           |
| MRL     | Method Reporting Limit                                                              |
| MDL     | Method Detection Limit                                                              |
| N/A     | Not Applicable                                                                      |

6.1c



LABORATORY: **\* SVL ANALYTICAL**  
 ONE GOVERNMENT GULCH  
 KELLOGG, ID 83837-0929  
 (208) 784-1258 FAX (208) 783-0891  
 ATTENTION: Sample Receiving

CLIENT: **SPOKANE COUNTY ENVIRONMENTAL SERVICES**  
 22515 N. ELK CHATTAROV RD.  
 COLBERT, WASHINGTON 99005  
 (509) 238-6607 FAX (509) 238-6812  
 MICA (509) 924-5223

MONITORING RESIDENTIAL

| PARAMETERS:           | DATE | TIME | MONITORING      |                         | RESIDENTIAL                                                |                                                      | METALS<br>(As / Ba / Pb / Hg<br>Mn / V / Zn) | SAMPLERS:   | COOLER<br>NUMBER | NUMBER<br>BOTTLES | COMMENTS |
|-----------------------|------|------|-----------------|-------------------------|------------------------------------------------------------|------------------------------------------------------|----------------------------------------------|-------------|------------------|-------------------|----------|
|                       |      |      | TOC             | AMMONIA                 | Cl / SO <sub>4</sub> / TDS<br>NO <sub>3</sub> / ALKALINITY | Cl / SO <sub>4</sub> / NO <sub>3</sub><br>ALKALINITY |                                              |             |                  |                   |          |
| METHOD:               |      |      | 415.1           | 350.1                   | 300.0/300.0/160.1<br>300.0 / 2320 B                        | 300.0/300.0/ 300.0<br>2320B                          | 7060A / 6010B /<br>7470A                     | G. FISSETTE |                  |                   |          |
| BOTTLES:              |      |      | 1-40 ml.<br>VOC | 1-500 ml<br>POLY BOTTLE | 1-500 ml<br>POLY BOTTLE                                    | 1-500 ml.<br>POLY BOTTLE                             | 1-500 ml.<br>POLY BOTTLE                     | M. TERNIS   |                  |                   |          |
| LAB:                  |      |      | SVL             | SVL                     | SVL                                                        | SVL                                                  | SVL                                          |             |                  |                   |          |
| PRESERVATION:         |      |      | HCL<br>pH < 2   | H2SO4<br>pH < 2         | UNPRESERVED                                                | UNPRESERVED                                          | HN03 Ph<2<br>(NOT FILTERED)                  |             |                  |                   |          |
| SAMPLE IDENTIFICATION |      |      |                 |                         |                                                            |                                                      |                                              |             |                  |                   |          |
| GW MW-009-220914      | 9/14 | 1015 | X               | X                       | X                                                          | X                                                    | X                                            |             | 13               | 4                 |          |
| GW MW-010-220914      | 9/14 | 0930 | X               | X                       | X                                                          | X                                                    | X                                            |             | 13               | 4                 |          |
| MWS-1-1-220914        | 9/14 | 0945 | X               | X                       | X                                                          | X                                                    | X                                            |             | 13               | 4                 |          |
| GW MW-016-220914      | 9/14 | 1200 | X               | X                       | X                                                          | X                                                    | X                                            |             | 13               | 4                 |          |
| GW MW-019-220914      | 9/14 | 1201 | X               | X                       | X                                                          | X                                                    | X                                            |             | 13               | 4                 |          |
| GW MW-023-220914      | 9/14 | 0955 | X               | X                       | X                                                          | X                                                    | X                                            |             | 13               | 4                 |          |
| GW MW-029-220914      | 9/14 | 1107 | X               | X                       | X                                                          | X                                                    | X                                            |             | 13               | 4                 |          |
| MWS-1-2-220914        | 9/14 | 0939 | X               | X                       | X                                                          | X                                                    | X                                            |             | 13               | 4                 |          |

COMMENTS: Please e-mail a sample condition report to Austin and Mike ASAP astewart@spokanecounty.org and mterris@spokanecounty.org

|                                                                                                                                                       |                                           |                                                                                                                 |                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| RELINQUISHED BY<br>SIGNATURE: <i>Mike S. Ternis</i><br>PRINT NAME: <b>MIKE S. TERNIS</b><br>COMPANY: <b>SPOKANE COUNTY UTILITIES LANDFILL CLOSURE</b> | DATE: <b>9/14/22</b><br>TIME: <b>1500</b> | RECEIVED BY<br>SIGNATURE: <i>Melissa D'Avanzo</i><br>PRINT NAME: <b>Melissa D'Avanzo</b><br>COMPANY: <b>SVL</b> | DATE: <b>9/16/22</b><br>TIME: <b>1020</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------|

\* ALL TOC SAMPLES ARE IN COOLER #8



LABORATORY: SVL ANALYTICAL  
ONE GOVERNMENT GULCH  
KELLOGG, ID 83837-0929  
(208) 784-1258 FAX (208) 783-0891  
ATTENTION: Sample Receiving

CLIENT:  
SPOKANE COUNTY ENVIRONMENTAL SERVICES  
22515 N. ELK CHATTAROY RD.  
COLBERT, WASHINGTON 99005  
(509) 238-6607 FAX (509) 238-6812  
MICA (509)924-5223

SHIPPING CO: UPS  
SHIPPING #: K26722524851  
NUMBER OF COOLERS: 2 2476

DATE: 9/14/2002  
PAGE 1 OF 1

| PARAMETERS:           | DATE | TIME | MONITORING      |                         | RESIDENTIAL                                                |                                                      | METALS<br>(As / Ba / Pb / Hg<br>Mn / V / Zn) | SAMPLERS:  | COOLER<br>NUMBER | NUMBER<br>BOTTLES | COMMENTS |
|-----------------------|------|------|-----------------|-------------------------|------------------------------------------------------------|------------------------------------------------------|----------------------------------------------|------------|------------------|-------------------|----------|
|                       |      |      | TOC             | AMMONIA                 | Cl / SO <sub>4</sub> / TDS<br>NO <sub>3</sub> / ALKALINITY | Cl / SO <sub>4</sub> / NO <sub>3</sub><br>ALKALINITY |                                              |            |                  |                   |          |
| METHOD:               |      |      | 415.1           | 350.1                   | 300.0/300.0/160.1<br>300.0 / 2320 B                        | 300.0/300.0/ 300.0<br>2320B                          | 7060A / 6010B /<br>7470A                     | G. FISETTE |                  |                   |          |
| BOTTLES:              |      |      | 1-40 ml.<br>VOC | 1-500 ml<br>POLY BOTTLE | 1-500 ml<br>POLY BOTTLE                                    | 1-500 ml.<br>POLY BOTTLE                             | 1-500 ml.<br>POLY BOTTLE                     | M. TERNIS  |                  |                   |          |
| LAB:                  |      |      | SVL             | SVL                     | SVL                                                        | SVL                                                  | SVL                                          |            |                  |                   |          |
| PRESERVATION:         |      |      | HCL<br>PH < 2   | H2SO4<br>PH < 2         | UNPRESERVED                                                | UNPRESERVED                                          | HN03 PH < 2<br>(NOT FILTERED)                |            |                  |                   |          |
| SAMPLE IDENTIFICATION | DATE | TIME |                 |                         |                                                            |                                                      |                                              |            |                  |                   |          |
| GW MW-009-220914      | 9/14 | 1015 | X               | X                       | X                                                          |                                                      | X                                            |            | 13               | 4                 |          |
| GW MW-010-220914      | 9/14 | 0930 | X               | X                       | X                                                          |                                                      | X                                            |            | 13               | 4                 |          |
| MWS-1-1-220914        | 9/14 | 0945 | X               | X                       | X                                                          |                                                      | X                                            |            | 00               | 4                 |          |
| GW MW-016-220914      | 9/14 | 1200 | X               | X                       | X                                                          |                                                      | X                                            |            | 00               | 4                 |          |
| GW MW-019-220914      | 9/14 | 1201 | X               | X                       | X                                                          |                                                      | X                                            |            | 13               | 4                 |          |
| GW MW-023-220914      | 9/14 | 0938 | X               | X                       | X                                                          |                                                      | X                                            |            | 13               | 4                 |          |
| GW MW-029-220914      | 9/14 | 1107 | X               | X                       | X                                                          |                                                      | X                                            |            | 13               | 4                 |          |
| MWS-1-2-220914        | 9/14 | 0939 | X               | X                       | X                                                          |                                                      | X                                            |            | 13               | 4                 |          |

COMMENTS: Please e-mail a sample condition report to Austin and Mike ASAP astewart@spokanecounty.org and mterriss@spokanecounty.org

|                                                                                                                   |                               |                                                                          |                               |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------|-------------------------------|
| RELINQUISHED BY<br>SIGNATURE:<br>PRINT NAME: MIKE S. TERNIS<br>COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE | DATE: 9/14/2002<br>TIME: 1500 | RECEIVED BY<br>SIGNATURE:<br>PRINT NAME: Melissa Dierman<br>COMPANY: SVL | DATE: 9/10/2002<br>TIME: 1000 |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------|-------------------------------|

X ALL TOC SAMPLES ARE IN COOLER #8

# SAMPLE RECEIPT/CHAIN-OF-CUSTODY CHECKLIST

The following items were checked for completeness, correctness, and compliance to project specifications using the Chain-of-Custody (COC) and other supporting information.

Date of acceptance: 9/14/22

By: M Digiovanni

SVL Work No: X2I0271

| Item | Description                                                       | V | NA | Comments                 |
|------|-------------------------------------------------------------------|---|----|--------------------------|
| 1    | Client or project name                                            | ✓ |    | Spokane County Envir Svc |
| 2    | Date and time of receipt at lab                                   | ✓ |    | 9/16/22 1020             |
| 3    | Received by                                                       | ✓ |    | M Digiovanni             |
| 4    | Temperature blank or cooler temperature                           | ✓ |    | Temp 5.1 °C T098/T126    |
| 5    | Were the sample(s) received on ice                                | ✓ |    |                          |
| 6    | Custody tape/bottle seals                                         | ✓ |    |                          |
| 7    | Shipper's air bill                                                | ✓ |    |                          |
| 8    | Condition of samples upon receipt (leaking; bubbles in VOA vials) | ✓ |    |                          |
| 9    | Analysis requested for each sample                                | ✓ |    |                          |
| 10   | Sample matrix description                                         | ✓ |    |                          |
| 11   | The correct preservative for the analysis requested               | ✓ |    |                          |
| 12   | Did an SVL employee preserve sample(s) upon receipt               |   | ✓  |                          |
| 13   | Additional Information                                            |   | ✓  |                          |

Colbert

Cooler 1 Hand  
 1 GOVERNMENT GULCH  
 KELLOGG ID 83837  
 P: SOUTH S: SOUTH I: 5  
 KING - RDC  
 K2672252485  
 BHS9RYX IDC0E94BUDC SEP 16 04:30:17 2022  
 US 8380 HIP 22.6.0 ZP450S

Cooler 2 Hand  
 1 GOVERNMENT GULCH  
 KELLOGG ID 83837  
 P: SOUTH S: SOUTH I: 5  
 KING - RDC  
 K2672252476  
 BHS9RYX IDC0E94BUDC SEP 16 04:30:22 2022  
 US 8380 HIP 22.6.0 ZP450S

## **APPENDIX B - DATA SUMMARY ANALYSIS**

| StationID | Analyte                    | Count | Average | Min    | Max    | StDev | # Detects | # NonDetects | # Exceedances |
|-----------|----------------------------|-------|---------|--------|--------|-------|-----------|--------------|---------------|
| DW-001    | 1,2-Dichloroethane         | 102   | 0.00    | 0      | 0      | 0.00  | 0         | 102          | 0             |
| DW-001    | 1,2-Dichloropropane        | 102   | 0.00    | 0      | 0      | 0.00  | 0         | 102          | 0             |
| DW-001    | Acetone                    | 102   | 0.00    | 0      | 0      | 0.00  | 0         | 102          | 0             |
| DW-001    | Alkalinity                 | 101   | 149.10  | 130    | 189    | 9.81  | 101       | 0            | 0             |
| DW-001    | Ammonia                    | 101   | 0.01    | 0      | 0.27   | 0.03  | 18        | 83           | 0             |
| DW-001    | Arsenic                    | 102   | 0.00    | 0      | 0.0036 | 0.00  | 34        | 68           | 0             |
| DW-001    | Barium                     | 102   | 0.01    | 0      | 0.0432 | 0.01  | 98        | 4            | 0             |
| DW-001    | Benzene                    | 102   | 0.00    | 0      | 0      | 0.00  | 0         | 102          | 0             |
| DW-001    | bis(2-Ethylhexyl)Phthalate | 55    | 1.68    | 0      | 17     | 4.30  | 14        | 41           | 6             |
| DW-001    | Chloride                   | 102   | 2.98    | 0      | 17     | 3.36  | 100       | 2            | 0             |
| DW-001    | cis-1,2-dichloroethene     | 99    | 0.00    | 0      | 0      | 0.00  | 0         | 99           | 0             |
| DW-001    | Ethylbenzene               | 93    | 0.00    | 0      | 0      | 0.00  | 0         | 93           | 0             |
| DW-001    | Lead                       | 102   | 0.00    | 0      | 0.034  | 0.00  | 20        | 82           | 0             |
| DW-001    | m,p-Xylene                 | 63    | 0.00    | 0      | 0      | 0.00  | 0         | 63           | 0             |
| DW-001    | Manganese                  | 103   | 0.01    | 0      | 0.068  | 0.01  | 89        | 14           | 0             |
| DW-001    | Mercury                    | 100   | 0.00    | 0      | 0      | 0.00  | 0         | 100          | 0             |
| DW-001    | Methylene Chloride         | 102   | 0.00    | 0      | 0      | 0.00  | 0         | 102          | 0             |
| DW-001    | N-Nitrate                  | 103   | 0.07    | 0      | 0.496  | 0.09  | 75        | 28           | 0             |
| DW-001    | o-Xylene                   | 90    | 0.00    | 0      | 0      | 0.00  | 0         | 90           | 0             |
| DW-001    | Sulfate                    | 72    | 8.64    | 0      | 11.8   | 1.61  | 71        | 1            | 0             |
| DW-001    | Tetrachloroethene          | 102   | 0.00    | 0      | 0      | 0.00  | 0         | 102          | 0             |
| DW-001    | Toluene                    | 102   | 0.00    | 0      | 0      | 0.00  | 0         | 102          | 0             |
| DW-001    | Total Dissolved Solids     | 2     | 189.00  | 188    | 190    | 1.41  | 2         | 0            | 0             |
| DW-001    | Total Organic Carbon       | 101   | 0.54    | 0      | 6.1    | 1.08  | 31        | 70           | 0             |
| DW-001    | Trichloroethene            | 102   | 0.00    | 0      | 0      | 0.00  | 0         | 102          | 0             |
| DW-001    | Vanadium                   | 101   | 0.00    | 0      | 0.0058 | 0.00  | 1         | 100          | 0             |
| DW-001    | Vinyl Chloride             | 102   | 0.00    | 0      | 0      | 0.00  | 0         | 102          | 0             |
| DW-001    | Xylene                     | 30    | 0.00    | 0      | 0      | 0.00  | 0         | 30           | 0             |
| DW-001    | Zinc                       | 106   | 0.78    | 0.0465 | 7.18   | 1.06  | 106       | 0            | 0             |
| DW-002    | 1,2-Dichloroethane         | 103   | 0.00    | 0      | 0      | 0.00  | 0         | 103          | 0             |
| DW-002    | 1,2-Dichloropropane        | 103   | 0.00    | 0      | 0      | 0.00  | 0         | 103          | 0             |
| DW-002    | Acetone                    | 103   | 0.00    | 0      | 0      | 0.00  | 0         | 103          | 0             |
| DW-002    | Alkalinity                 | 118   | 155.00  | 144    | 180    | 5.77  | 118       | 0            | 0             |
| DW-002    | Ammonia                    | 107   | 0.01    | 0      | 0.28   | 0.03  | 19        | 88           | 0             |
| DW-002    | Arsenic                    | 103   | 0.00    | 0      | 0      | 0.00  | 0         | 103          | 0             |
| DW-002    | Barium                     | 130   | 0.04    | 0      | 0.044  | 0.00  | 129       | 1            | 0             |
| DW-002    | Benzene                    | 103   | 0.00    | 0      | 0      | 0.00  | 0         | 103          | 0             |
| DW-002    | bis(2-Ethylhexyl)Phthalate | 36    | 0.12    | 0      | 1.7    | 0.41  | 3         | 33           | 0             |
| DW-002    | Chloride                   | 120   | 9.58    | 4.93   | 14.6   | 1.99  | 120       | 0            | 0             |
| DW-002    | cis-1,2-dichloroethene     | 100   | 0.00    | 0      | 0      | 0.00  | 0         | 100          | 0             |
| DW-002    | Ethylbenzene               | 94    | 0.00    | 0      | 0      | 0.00  | 0         | 94           | 0             |
| DW-002    | Lead                       | 104   | 0.00    | 0      | 0.023  | 0.00  | 4         | 100          | 0             |
| DW-002    | m,p-Xylene                 | 65    | 0.00    | 0      | 0.15   | 0.02  | 1         | 64           | 0             |
| DW-002    | Manganese                  | 110   | 0.00    | 0      | 0.0328 | 0.01  | 54        | 56           | 0             |
| DW-002    | Mercury                    | 103   | 0.00    | 0      | 0      | 0.00  | 0         | 103          | 0             |
| DW-002    | Methylene Chloride         | 104   | 0.00    | 0      | 0.12   | 0.01  | 1         | 103          | 0             |
| DW-002    | N-Nitrate                  | 120   | 1.34    | 0.721  | 2.32   | 0.26  | 120       | 0            | 0             |
| DW-002    | o-Xylene                   | 91    | 0.00    | 0      | 0      | 0.00  | 0         | 91           | 0             |
| DW-002    | Sulfate                    | 95    | 5.61    | 0      | 8.1    | 0.85  | 94        | 1            | 0             |
| DW-002    | Tetrachloroethene          | 103   | 0.00    | 0      | 0      | 0.00  | 0         | 103          | 0             |
| DW-002    | Toluene                    | 103   | 0.06    | 0      | 5.24   | 0.52  | 2         | 101          | 0             |
| DW-002    | Total Dissolved Solids     | 4     | 211.00  | 200    | 220    | 8.41  | 4         | 0            | 0             |

| StationID | Analyte                    | Count | Average | Min    | Max    | StDev | # Detects | # NonDetects | # Exceedances |
|-----------|----------------------------|-------|---------|--------|--------|-------|-----------|--------------|---------------|
| DW-002    | Total Organic Carbon       | 113   | 0.57    | 0      | 13.1   | 1.41  | 39        | 74           | 0             |
| DW-002    | Trichloroethene            | 103   | 0.00    | 0      | 0      | 0.00  | 0         | 103          | 0             |
| DW-002    | Vanadium                   | 103   | 0.00    | 0      | 0.0054 | 0.00  | 1         | 102          | 0             |
| DW-002    | Vinyl Chloride             | 103   | 0.00    | 0      | 0      | 0.00  | 0         | 103          | 0             |
| DW-002    | Xylene                     | 30    | 0.00    | 0      | 0      | 0.00  | 0         | 30           | 0             |
| DW-002    | Zinc                       | 119   | 0.11    | 0      | 1.2    | 0.22  | 80        | 39           | 0             |
| DW-003    | 1,2-Dichloroethane         | 105   | 0.00    | 0      | 0      | 0.00  | 0         | 105          | 0             |
| DW-003    | 1,2-Dichloropropane        | 105   | 0.00    | 0      | 0      | 0.00  | 0         | 105          | 0             |
| DW-003    | Acetone                    | 105   | 0.00    | 0      | 0      | 0.00  | 0         | 105          | 0             |
| DW-003    | Alkalinity                 | 110   | 184.35  | 167    | 207    | 6.59  | 110       | 0            | 0             |
| DW-003    | Ammonia                    | 105   | 0.03    | 0      | 1.94   | 0.19  | 21        | 84           | 0             |
| DW-003    | Arsenic                    | 102   | 0.00    | 0      | 0      | 0.00  | 0         | 102          | 0             |
| DW-003    | Barium                     | 111   | 0.03    | 0      | 0.0321 | 0.00  | 110       | 1            | 0             |
| DW-003    | Benzene                    | 105   | 0.00    | 0      | 0      | 0.00  | 0         | 105          | 0             |
| DW-003    | bis(2-Ethylhexyl)Phthalate | 36    | 0.33    | 0      | 8.2    | 1.43  | 3         | 33           | 1             |
| DW-003    | Chloride                   | 109   | 1.00    | 0      | 22     | 2.11  | 94        | 15           | 0             |
| DW-003    | cis-1,2-dichloroethene     | 102   | 0.00    | 0      | 0      | 0.00  | 0         | 102          | 0             |
| DW-003    | Ethylbenzene               | 96    | 0.00    | 0      | 0      | 0.00  | 0         | 96           | 0             |
| DW-003    | Lead                       | 103   | 0.00    | 0      | 0.007  | 0.00  | 32        | 71           | 0             |
| DW-003    | m,p-Xylene                 | 65    | 0.00    | 0      | 0      | 0.00  | 0         | 65           | 0             |
| DW-003    | Manganese                  | 104   | 0.00    | 0      | 0.0024 | 0.00  | 6         | 98           | 0             |
| DW-003    | Mercury                    | 102   | 0.00    | 0      | 0      | 0.00  | 0         | 102          | 0             |
| DW-003    | Methylene Chloride         | 105   | 0.00    | 0      | 0.3    | 0.03  | 1         | 104          | 0             |
| DW-003    | N-Nitrate                  | 110   | 1.01    | 0      | 7.4    | 1.15  | 109       | 1            | 0             |
| DW-003    | o-Xylene                   | 93    | 0.00    | 0      | 0      | 0.00  | 0         | 93           | 0             |
| DW-003    | Sulfate                    | 80    | 0.83    | 0      | 2.38   | 0.56  | 74        | 6            | 0             |
| DW-003    | Tetrachloroethene          | 105   | 0.00    | 0      | 0      | 0.00  | 0         | 105          | 0             |
| DW-003    | Toluene                    | 105   | 0.00    | 0      | 0      | 0.00  | 0         | 105          | 0             |
| DW-003    | Total Dissolved Solids     | 4     | 220.25  | 200    | 251    | 22.07 | 4         | 0            | 0             |
| DW-003    | Total Organic Carbon       | 103   | 0.22    | 0      | 3.3    | 0.62  | 15        | 88           | 0             |
| DW-003    | Trichloroethene            | 105   | 0.00    | 0      | 0      | 0.00  | 0         | 105          | 0             |
| DW-003    | Vanadium                   | 102   | 0.00    | 0      | 0.002  | 0.00  | 2         | 100          | 0             |
| DW-003    | Vinyl Chloride             | 105   | 0.00    | 0      | 0      | 0.00  | 0         | 105          | 0             |
| DW-003    | Xylene                     | 31    | 0.00    | 0      | 0      | 0.00  | 0         | 31           | 0             |
| DW-003    | Zinc                       | 113   | 0.23    | 0.0426 | 0.774  | 0.13  | 113       | 0            | 0             |
| LS-AB     | Arsenic                    | 5     | 0.00    | 0      | 0      | 0.00  | 0         | 5            | 0             |
| LS-AB     | Benzene                    | 5     | 0.00    | 0      | 0      | 0.00  | 0         | 5            | 0             |
| LS-AB     | bis(2-Ethylhexyl)Phthalate | 2     | 0.00    | 0      | 0      | 0.00  | 0         | 2            | 0             |
| LS-AB     | Cadmium                    | 5     | 0.00    | 0      | 0      | 0.00  | 0         | 5            | 0             |
| LS-AB     | Copper                     | 5     | 0.00    | 0      | 0      | 0.00  | 0         | 5            | 0             |
| LS-AB     | Ethylbenzene               | 5     | 0.00    | 0      | 0      | 0.00  | 0         | 5            | 0             |
| LS-AB     | Lead                       | 5     | 0.00    | 0      | 0      | 0.00  | 0         | 5            | 0             |
| LS-AB     | m,p-Xylene                 | 5     | 0.00    | 0      | 0      | 0.00  | 0         | 5            | 0             |
| LS-AB     | Mercury                    | 5     | 0.00    | 0      | 0      | 0.00  | 0         | 5            | 0             |
| LS-AB     | Nickel                     | 5     | 0.00    | 0      | 0      | 0.00  | 0         | 5            | 0             |
| LS-AB     | o-Xylene                   | 5     | 0.00    | 0      | 0      | 0.00  | 0         | 5            | 0             |
| LS-AB     | Silver                     | 5     | 0.00    | 0      | 0      | 0.00  | 0         | 5            | 0             |
| LS-AB     | Toluene                    | 5     | 0.22    | 0      | 1.12   | 0.50  | 1         | 4            | 0             |
| LS-AB     | total cyanide              | 4     | 0.00    | 0      | 0      | 0.00  | 0         | 4            | 0             |
| LS-AB     | Zinc                       | 5     | 0.00    | 0      | 0      | 0.00  | 0         | 5            | 0             |
| LS-GL     | 1,2-Dichloroethane         | 21    | 0.81    | 0      | 2.3    | 0.75  | 13        | 8            | 8             |
| LS-GL     | 1,2-Dichloropropane        | 20    | 0.26    | 0      | 0.6    | 0.23  | 12        | 8            | 0             |

| StationID | Analyte                    | Count | Average | Min   | Max    | StDev  | # Detects | # NonDetects | # Exceedances |
|-----------|----------------------------|-------|---------|-------|--------|--------|-----------|--------------|---------------|
| LS-GL     | Acetone                    | 28    | 13.38   | 0     | 53     | 15.01  | 23        | 5            | 0             |
| LS-GL     | Arsenic                    | 39    | 0.00    | 0     | 0.005  | 0.00   | 15        | 24           | 0             |
| LS-GL     | Benzene                    | 48    | 0.28    | 0     | 10.7   | 1.54   | 10        | 38           | 1             |
| LS-GL     | bis(2-Ethylhexyl)Phthalate | 15    | 0.47    | 0     | 4.5    | 1.21   | 3         | 12           | 0             |
| LS-GL     | Cadmium                    | 35    | 0.03    | 0     | 0.931  | 0.16   | 1         | 34           | 0             |
| LS-GL     | cis-1,2-dichloroethene     | 24    | 1.22    | 0     | 3.6    | 1.11   | 16        | 8            | 0             |
| LS-GL     | Copper                     | 35    | 0.03    | 0     | 0.948  | 0.16   | 1         | 34           | 0             |
| LS-GL     | Ethylbenzene               | 49    | 0.39    | 0     | 3      | 0.71   | 16        | 33           | 0             |
| LS-GL     | Lead                       | 37    | 0.03    | 0     | 0.924  | 0.15   | 5         | 32           | 0             |
| LS-GL     | m,p-Xylene                 | 30    | 0.27    | 0     | 4.52   | 1.02   | 2         | 28           | 0             |
| LS-GL     | Manganese                  | 2     | 0.82    | 0.819 | 0.824  | 0.00   | 2         | 0            | 0             |
| LS-GL     | Mercury                    | 34    | 0.00    | 0     | 0      | 0.00   | 0         | 34           | 0             |
| LS-GL     | Methylene Chloride         | 24    | 5.37    | 0     | 17     | 5.33   | 16        | 8            | 13            |
| LS-GL     | Nickel                     | 35    | 0.03    | 0     | 0.9    | 0.15   | 2         | 33           | 2             |
| LS-GL     | o-Xylene                   | 47    | 0.69    | 0     | 4.2    | 1.12   | 17        | 30           | 0             |
| LS-GL     | Silver                     | 37    | 0.00    | 0     | 0.0504 | 0.01   | 4         | 33           | 0             |
| LS-GL     | Tetrachloroethene          | 21    | 0.92    | 0     | 2.7    | 0.84   | 13        | 8            | 13            |
| LS-GL     | Toluene                    | 63    | 1.84    | 0     | 14     | 2.82   | 38        | 25           | 0             |
| LS-GL     | total cyanide              | 29    | 0.00    | 0     | 0      | 0.00   | 0         | 29           | 0             |
| LS-GL     | total oil & grease         | 20    | 0.80    | 0     | 3.6    | 1.19   | 7         | 13           | 0             |
| LS-GL     | Trichloroethene            | 20    | 0.45    | 0     | 1.2    | 0.42   | 12        | 8            | 0             |
| LS-GL     | Vinyl Chloride             | 21    | 0.95    | 0     | 3.8    | 1.10   | 13        | 8            | 13            |
| LS-GL     | Xylene                     | 21    | 2.83    | 0     | 9.7    | 2.74   | 16        | 5            | 0             |
| LS-GL     | Zinc                       | 40    | 0.03    | 0     | 0.915  | 0.14   | 14        | 26           | 0             |
| LS-LSW    | Ammonia                    | 11    | 0.18    | 0     | 0.64   | 0.19   | 8         | 3            | 0             |
| LS-LSW    | Chloride                   | 11    | 109.00  | 18    | 500    | 141.59 | 11        | 0            | 0             |
| LS-LSW    | Manganese                  | 11    | 0.60    | 0.043 | 1.69   | 0.58   | 11        | 0            | 0             |
| LS-LSW    | Total Dissolved Solids     | 11    | 420.91  | 64    | 1300   | 369.54 | 11        | 0            | 0             |
| LS-LSW    | Total Organic Carbon       | 11    | 11.31   | 0     | 66     | 18.44  | 10        | 1            | 0             |
| LS-NW     | Ammonia                    | 15    | 0.58    | 0.023 | 4.2    | 1.09   | 15        | 0            | 0             |
| LS-NW     | Chloride                   | 15    | 24.25   | 3.5   | 120    | 29.59  | 15        | 0            | 0             |
| LS-NW     | Manganese                  | 15    | 1.62    | 0.491 | 3.85   | 0.97   | 15        | 0            | 0             |
| LS-NW     | Total Dissolved Solids     | 15    | 329.00  | 280   | 450    | 43.10  | 15        | 0            | 0             |
| LS-NW     | Total Organic Carbon       | 15    | 7.28    | 0     | 12     | 3.18   | 14        | 1            | 0             |
| LS-SE     | Ammonia                    | 24    | 8.40    | 0.044 | 60     | 15.60  | 24        | 0            | 0             |
| LS-SE     | Chloride                   | 24    | 69.08   | 2.7   | 590    | 116.57 | 24        | 0            | 0             |
| LS-SE     | Manganese                  | 26    | 2.15    | 0.068 | 6.69   | 1.85   | 26        | 0            | 0             |
| LS-SE     | Total Dissolved Solids     | 23    | 631.43  | 0     | 4000   | 795.22 | 22        | 1            | 0             |
| LS-SE     | Total Organic Carbon       | 24    | 98.28   | 3.1   | 1200   | 240.96 | 24        | 0            | 0             |
| LS-SET    | 1,2-Dichloroethane         | 4     | 0.05    | 0     | 0.2    | 0.10   | 1         | 3            | 0             |
| LS-SET    | 1,2-Dichloropropane        | 4     | 0.15    | 0     | 0.6    | 0.30   | 1         | 3            | 0             |
| LS-SET    | Acetone                    | 4     | 363.50  | 14    | 800    | 324.89 | 4         | 0            | 1             |
| LS-SET    | Arsenic                    | 4     | 0.00    | 0.002 | 0.004  | 0.00   | 4         | 0            | 0             |
| LS-SET    | Benzene                    | 4     | 0.18    | 0     | 0.7    | 0.35   | 1         | 3            | 0             |
| LS-SET    | bis(2-Ethylhexyl)Phthalate | 4     | 0.00    | 0     | 0      | 0.00   | 0         | 4            | 0             |
| LS-SET    | Cadmium                    | 4     | 0.00    | 0     | 0      | 0.00   | 0         | 4            | 0             |
| LS-SET    | cis-1,2-dichloroethene     | 4     | 1.63    | 0     | 3.2    | 1.61   | 3         | 1            | 0             |
| LS-SET    | Copper                     | 4     | 0.00    | 0.002 | 0.006  | 0.00   | 4         | 0            | 0             |
| LS-SET    | Ethylbenzene               | 4     | 2.45    | 0     | 5.2    | 2.59   | 3         | 1            | 0             |
| LS-SET    | Lead                       | 4     | 0.00    | 0     | 0      | 0.00   | 0         | 4            | 0             |
| LS-SET    | Mercury                    | 4     | 0.00    | 0     | 0      | 0.00   | 0         | 4            | 0             |
| LS-SET    | Methylene Chloride         | 4     | 15.18   | 0     | 36     | 16.99  | 3         | 1            | 2             |

| StationID | Analyte                    | Count | Average | Min   | Max    | StDev   | # Detects | # NonDetects | # Exceedances |
|-----------|----------------------------|-------|---------|-------|--------|---------|-----------|--------------|---------------|
| LS-SET    | Nickel                     | 4     | 0.00    | 0     | 0.01   | 0.01    | 1         | 3            | 1             |
| LS-SET    | o-Xylene                   | 4     | 2.48    | 0     | 4.8    | 2.53    | 3         | 1            | 0             |
| LS-SET    | Silver                     | 4     | 0.00    | 0     | 0      | 0.00    | 0         | 4            | 0             |
| LS-SET    | Tetrachloroethene          | 4     | 0.35    | 0     | 1.4    | 0.70    | 1         | 3            | 1             |
| LS-SET    | Toluene                    | 4     | 8.60    | 0     | 16     | 8.10    | 3         | 1            | 0             |
| LS-SET    | total cyanide              | 4     | 0.00    | 0     | 0      | 0.00    | 0         | 4            | 0             |
| LS-SET    | total oil & grease         | 4     | 3.43    | 1.9   | 5.1    | 1.31    | 4         | 0            | 0             |
| LS-SET    | Trichloroethene            | 4     | 0.45    | 0     | 1.6    | 0.77    | 2         | 2            | 0             |
| LS-SET    | Vinyl Chloride             | 4     | 0.13    | 0     | 0.5    | 0.25    | 1         | 3            | 1             |
| LS-SET    | Xylene                     | 4     | 6.38    | 0     | 13     | 6.57    | 3         | 1            | 0             |
| LS-SET    | Zinc                       | 4     | 0.02    | 0     | 0.027  | 0.01    | 3         | 1            | 0             |
| LS-TT     | 1,2-Dichloroethane         | 7     | 1.59    | 0     | 4.2    | 1.97    | 4         | 3            | 3             |
| LS-TT     | 1,2-Dichloropropane        | 6     | 0.18    | 0     | 0.7    | 0.30    | 2         | 4            | 1             |
| LS-TT     | Acetone                    | 10    | 26.93   | 0     | 120    | 44.39   | 9         | 1            | 0             |
| LS-TT     | Ammonia                    | 2     | 2.10    | 0     | 4.2    | 2.97    | 1         | 1            | 0             |
| LS-TT     | Arsenic                    | 8     | 0.01    | 0     | 0.0397 | 0.02    | 7         | 1            | 0             |
| LS-TT     | Benzene                    | 8     | 0.08    | 0     | 0.4    | 0.15    | 2         | 6            | 0             |
| LS-TT     | bis(2-Ethylhexyl)Phthalate | 6     | 0.20    | 0     | 1.2    | 0.49    | 1         | 5            | 0             |
| LS-TT     | Cadmium                    | 6     | 0.00    | 0     | 0      | 0.00    | 0         | 6            | 0             |
| LS-TT     | Chloride                   | 2     | 38.10   | 1.6   | 74.6   | 51.62   | 2         | 0            | 0             |
| LS-TT     | cis-1,2-dichloroethene     | 7     | 0.80    | 0     | 2.3    | 1.02    | 3         | 4            | 0             |
| LS-TT     | Copper                     | 8     | 0.01    | 0.003 | 0.026  | 0.01    | 8         | 0            | 0             |
| LS-TT     | Ethylbenzene               | 8     | 0.31    | 0     | 1      | 0.44    | 3         | 5            | 0             |
| LS-TT     | Lead                       | 9     | 0.00    | 0     | 0.002  | 0.00    | 4         | 5            | 0             |
| LS-TT     | Manganese                  | 2     | 0.68    | 0.013 | 1.35   | 0.95    | 2         | 0            | 0             |
| LS-TT     | Mercury                    | 7     | 0.00    | 0     | 0      | 0.00    | 0         | 7            | 0             |
| LS-TT     | Methylene Chloride         | 6     | 9.22    | 0     | 44     | 17.59   | 3         | 3            | 2             |
| LS-TT     | Nickel                     | 7     | 0.00    | 0     | 0.011  | 0.01    | 2         | 5            | 2             |
| LS-TT     | o-Xylene                   | 8     | 0.48    | 0     | 1.3    | 0.61    | 4         | 4            | 0             |
| LS-TT     | Silver                     | 6     | 0.00    | 0     | 0      | 0.00    | 0         | 6            | 0             |
| LS-TT     | Tetrachloroethene          | 7     | 0.54    | 0     | 1.6    | 0.70    | 3         | 4            | 3             |
| LS-TT     | Toluene                    | 10    | 2.17    | 0     | 4.6    | 1.98    | 6         | 4            | 0             |
| LS-TT     | total cyanide              | 7     | 0.00    | 0     | 0.009  | 0.00    | 2         | 5            | 2             |
| LS-TT     | total oil & grease         | 9     | 2.53    | 0     | 6.9    | 2.22    | 8         | 1            | 0             |
| LS-TT     | Total Organic Carbon       | 2     | 6.05    | 0     | 12.1   | 8.56    | 1         | 1            | 0             |
| LS-TT     | Trichloroethene            | 7     | 0.41    | 0     | 1.4    | 0.56    | 3         | 4            | 0             |
| LS-TT     | Vinyl Chloride             | 7     | 0.46    | 0     | 1.3    | 0.60    | 3         | 4            | 3             |
| LS-TT     | Xylene                     | 8     | 1.01    | 0     | 2.8    | 1.18    | 5         | 3            | 0             |
| LS-TT     | Zinc                       | 11    | 0.14    | 0     | 1.03   | 0.30    | 10        | 1            | 0             |
| LS-USW    | Ammonia                    | 15    | 12.56   | 0.014 | 130    | 32.61   | 15        | 0            | 0             |
| LS-USW    | Chloride                   | 15    | 282.41  | 6.8   | 2600   | 650.00  | 15        | 0            | 0             |
| LS-USW    | Manganese                  | 15    | 0.66    | 0.022 | 2.18   | 0.62    | 15        | 0            | 0             |
| LS-USW    | Total Dissolved Solids     | 15    | 747.20  | 210   | 4700   | 1107.25 | 15        | 0            | 0             |
| LS-USW    | Total Organic Carbon       | 15    | 14.67   | 4.9   | 64     | 14.37   | 15        | 0            | 0             |
| MS-004    | 1,2-Dichloroethane         | 103   | 0.00    | 0     | 0      | 0.00    | 0         | 103          | 0             |
| MS-004    | 1,2-Dichloropropane        | 103   | 0.00    | 0     | 0      | 0.00    | 0         | 103          | 0             |
| MS-004    | Acetone                    | 103   | 0.00    | 0     | 0      | 0.00    | 0         | 103          | 0             |
| MS-004    | Alkalinity                 | 72    | 82.94   | 47    | 181    | 29.54   | 72        | 0            | 0             |
| MS-004    | Ammonia                    | 102   | 0.07    | 0     | 3.41   | 0.38    | 23        | 79           | 0             |
| MS-004    | Arsenic                    | 102   | 0.00    | 0     | 0.006  | 0.00    | 3         | 99           | 0             |
| MS-004    | Barium                     | 102   | 0.05    | 0     | 0.114  | 0.01    | 101       | 1            | 0             |
| MS-004    | Benzene                    | 103   | 0.00    | 0     | 0      | 0.00    | 0         | 103          | 0             |

| StationID | Analyte                    | Count | Average | Min    | Max     | StDev  | # Detects | # NonDetects | # Exceedances |
|-----------|----------------------------|-------|---------|--------|---------|--------|-----------|--------------|---------------|
| MS-004    | bis(2-Ethylhexyl)Phthalate | 52    | 1.07    | 0      | 11.1    | 2.11   | 17        | 35           | 2             |
| MS-004    | Chloride                   | 71    | 0.98    | 0      | 23      | 2.87   | 51        | 20           | 0             |
| MS-004    | cis-1,2-dichloroethene     | 100   | 0.00    | 0      | 0       | 0.00   | 0         | 100          | 0             |
| MS-004    | Ethylbenzene               | 94    | 0.00    | 0      | 0       | 0.00   | 0         | 94           | 0             |
| MS-004    | Lead                       | 102   | 0.00    | 0      | 0.028   | 0.00   | 12        | 90           | 0             |
| MS-004    | m,p-Xylene                 | 64    | 0.00    | 0      | 0       | 0.00   | 0         | 64           | 0             |
| MS-004    | Manganese                  | 102   | 0.02    | 0      | 0.234   | 0.04   | 79        | 23           | 0             |
| MS-004    | Mercury                    | 102   | 0.00    | 0      | 0.00115 | 0.00   | 1         | 101          | 0             |
| MS-004    | Methylene Chloride         | 103   | 0.00    | 0      | 0       | 0.00   | 0         | 103          | 0             |
| MS-004    | N-Nitrate                  | 72    | 4.70    | 0.911  | 10.4    | 2.10   | 72        | 0            | 0             |
| MS-004    | o-Xylene                   | 91    | 0.00    | 0      | 0       | 0.00   | 0         | 91           | 0             |
| MS-004    | Sulfate                    | 71    | 10.74   | 4.1    | 20      | 2.48   | 71        | 0            | 0             |
| MS-004    | Tetrachloroethene          | 103   | 0.00    | 0      | 0       | 0.00   | 0         | 103          | 0             |
| MS-004    | Toluene                    | 103   | 0.00    | 0      | 0       | 0.00   | 0         | 103          | 0             |
| MS-004    | Total Dissolved Solids     | 70    | 166.27  | 78     | 296     | 38.71  | 70        | 0            | 0             |
| MS-004    | Total Organic Carbon       | 102   | 1.12    | 0      | 3.7     | 0.94   | 71        | 31           | 0             |
| MS-004    | Trichloroethene            | 103   | 0.00    | 0      | 0       | 0.00   | 0         | 103          | 0             |
| MS-004    | Vanadium                   | 102   | 0.00    | 0      | 0.004   | 0.00   | 5         | 97           | 0             |
| MS-004    | Vinyl Chloride             | 103   | 0.00    | 0      | 0       | 0.00   | 0         | 103          | 0             |
| MS-004    | Xylene                     | 30    | 0.00    | 0      | 0       | 0.00   | 0         | 30           | 0             |
| MS-004    | Zinc                       | 102   | 0.00    | 0      | 0.217   | 0.02   | 17        | 85           | 0             |
| MS-005    | 1,2-Dichloroethane         | 103   | 0.00    | 0      | 0       | 0.00   | 0         | 103          | 0             |
| MS-005    | 1,2-Dichloropropane        | 104   | 0.00    | 0      | 0.2     | 0.02   | 3         | 101          | 0             |
| MS-005    | Acetone                    | 103   | 0.03    | 0      | 3.4     | 0.34   | 1         | 102          | 0             |
| MS-005    | Alkalinity                 | 89    | 137.74  | 100    | 176     | 23.11  | 89        | 0            | 0             |
| MS-005    | Ammonia                    | 117   | 0.01    | 0      | 0.526   | 0.05   | 23        | 94           | 0             |
| MS-005    | Arsenic                    | 104   | 0.00    | 0      | 0.0012  | 0.00   | 2         | 102          | 0             |
| MS-005    | Barium                     | 128   | 0.09    | 0.0442 | 0.121   | 0.02   | 128       | 0            | 0             |
| MS-005    | Benzene                    | 103   | 0.00    | 0      | 0       | 0.00   | 0         | 103          | 0             |
| MS-005    | bis(2-Ethylhexyl)Phthalate | 42    | 0.39    | 0      | 7.3     | 1.38   | 5         | 37           | 1             |
| MS-005    | Chloride                   | 95    | 44.45   | 3      | 86.5    | 21.18  | 95        | 0            | 0             |
| MS-005    | cis-1,2-dichloroethene     | 102   | 0.13    | 0      | 0.6     | 0.20   | 31        | 71           | 0             |
| MS-005    | Ethylbenzene               | 94    | 0.00    | 0      | 0       | 0.00   | 0         | 94           | 0             |
| MS-005    | Lead                       | 104   | 0.00    | 0      | 0       | 0.00   | 0         | 104          | 0             |
| MS-005    | m,p-Xylene                 | 64    | 0.00    | 0      | 0       | 0.00   | 0         | 64           | 0             |
| MS-005    | Manganese                  | 114   | 0.00    | 0      | 0.0229  | 0.00   | 25        | 89           | 0             |
| MS-005    | Mercury                    | 104   | 0.00    | 0      | 0       | 0.00   | 0         | 104          | 0             |
| MS-005    | Methylene Chloride         | 108   | 0.26    | 0      | 1.4     | 0.43   | 34        | 74           | 0             |
| MS-005    | N-Nitrate                  | 89    | 5.14    | 0.85   | 17.1    | 3.54   | 89        | 0            | 0             |
| MS-005    | o-Xylene                   | 91    | 0.00    | 0      | 0       | 0.00   | 0         | 91           | 0             |
| MS-005    | Sulfate                    | 85    | 28.08   | 9.8    | 61.1    | 13.60  | 85        | 0            | 0             |
| MS-005    | Tetrachloroethene          | 107   | 0.17    | 0      | 0.9     | 0.24   | 39        | 68           | 1             |
| MS-005    | Toluene                    | 103   | 0.00    | 0      | 0       | 0.00   | 0         | 103          | 0             |
| MS-005    | Total Dissolved Solids     | 92    | 367.52  | 103    | 1000    | 111.19 | 92        | 0            | 0             |
| MS-005    | Total Organic Carbon       | 134   | 1.80    | 0      | 12.2    | 1.47   | 112       | 22           | 0             |
| MS-005    | Trichloroethene            | 107   | 0.42    | 0      | 1.6     | 0.52   | 46        | 61           | 0             |
| MS-005    | Vanadium                   | 106   | 0.00    | 0      | 0.0052  | 0.00   | 17        | 89           | 0             |
| MS-005    | Vinyl Chloride             | 103   | 0.00    | 0      | 0       | 0.00   | 0         | 103          | 0             |
| MS-005    | Xylene                     | 30    | 0.00    | 0      | 0       | 0.00   | 0         | 30           | 0             |
| MS-005    | Zinc                       | 104   | 0.00    | 0      | 0.153   | 0.02   | 13        | 91           | 0             |
| MS-007    | Alkalinity                 | 31    | 379.77  | 265    | 1200    | 164.79 | 31        | 0            | 0             |
| MS-007    | Ammonia                    | 37    | 1.23    | 0.5    | 1.8     | 0.37   | 37        | 0            | 0             |

| StationID | Analyte                    | Count | Average | Min    | Max     | StDev  | # Detects | # NonDetects | # Exceedances |
|-----------|----------------------------|-------|---------|--------|---------|--------|-----------|--------------|---------------|
| MS-007    | Arsenic                    | 31    | 0.02    | 0      | 0.0385  | 0.01   | 30        | 1            | 0             |
| MS-007    | Barium                     | 31    | 0.14    | 0.111  | 0.208   | 0.02   | 31        | 0            | 0             |
| MS-007    | Chloride                   | 37    | 10.43   | 3.2    | 21      | 5.27   | 37        | 0            | 0             |
| MS-007    | Manganese                  | 37    | 7.73    | 6.2    | 10.7    | 1.04   | 37        | 0            | 0             |
| MS-007    | Sulfate                    | 31    | 2.19    | 0      | 7.5     | 2.54   | 17        | 14           | 0             |
| MS-007    | Total Dissolved Solids     | 31    | 388.55  | 280    | 616     | 71.27  | 31        | 0            | 0             |
| MS-007    | Total Organic Carbon       | 37    | 8.50    | 0      | 24.3    | 3.97   | 35        | 2            | 0             |
| MS-007    | Vanadium                   | 2     | 0.00    | 0      | 0       | 0.00   | 0         | 2            | 0             |
| MS-007    | Zinc                       | 31    | 0.00    | 0      | 0.018   | 0.01   | 9         | 22           | 0             |
| MW-009    | 1,2-Dichloroethane         | 103   | 0.02    | 0      | 2       | 0.20   | 1         | 102          | 1             |
| MW-009    | 1,2-Dichloropropane        | 103   | 0.00    | 0      | 0       | 0.00   | 0         | 103          | 0             |
| MW-009    | Acetone                    | 103   | 0.00    | 0      | 0       | 0.00   | 0         | 103          | 0             |
| MW-009    | Alkalinity                 | 85    | 266.24  | 191    | 440     | 50.52  | 85        | 0            | 0             |
| MW-009    | Ammonia                    | 108   | 0.01    | 0      | 0.64    | 0.06   | 25        | 83           | 0             |
| MW-009    | Arsenic                    | 103   | 0.00    | 0      | 0.0015  | 0.00   | 2         | 101          | 0             |
| MW-009    | Barium                     | 128   | 0.12    | 0.079  | 0.195   | 0.03   | 128       | 0            | 0             |
| MW-009    | Benzene                    | 103   | 0.02    | 0      | 2.1     | 0.21   | 1         | 102          | 1             |
| MW-009    | bis(2-Ethylhexyl)Phthalate | 40    | 0.04    | 0      | 0.85    | 0.18   | 2         | 38           | 0             |
| MW-009    | Chloride                   | 94    | 51.05   | 10.8   | 160     | 40.72  | 94        | 0            | 0             |
| MW-009    | cis-1,2-dichloroethene     | 100   | 0.08    | 0      | 2.6     | 0.29   | 17        | 83           | 0             |
| MW-009    | Ethylbenzene               | 94    | 0.02    | 0      | 1.9     | 0.20   | 1         | 93           | 0             |
| MW-009    | Lead                       | 102   | 0.00    | 0      | 0.0079  | 0.00   | 5         | 97           | 0             |
| MW-009    | m,p-Xylene                 | 64    | 0.00    | 0      | 0       | 0.00   | 0         | 64           | 0             |
| MW-009    | Manganese                  | 129   | 0.73    | 0.139  | 1.87    | 0.39   | 129       | 0            | 0             |
| MW-009    | Mercury                    | 103   | 0.00    | 0      | 0.00014 | 0.00   | 4         | 99           | 0             |
| MW-009    | Methylene Chloride         | 105   | 0.01    | 0      | 1       | 0.10   | 3         | 102          | 0             |
| MW-009    | N-Nitrate                  | 84    | 0.07    | 0      | 0.92    | 0.16   | 44        | 40           | 0             |
| MW-009    | o-Xylene                   | 91    | 0.02    | 0      | 2       | 0.21   | 1         | 90           | 0             |
| MW-009    | Sulfate                    | 88    | 10.63   | 2      | 35.5    | 8.34   | 88        | 0            | 0             |
| MW-009    | Tetrachloroethene          | 103   | 0.00    | 0      | 0       | 0.00   | 0         | 103          | 0             |
| MW-009    | Toluene                    | 103   | 0.02    | 0      | 2       | 0.20   | 1         | 102          | 0             |
| MW-009    | Total Dissolved Solids     | 95    | 383.07  | 215    | 680     | 125.73 | 95        | 0            | 0             |
| MW-009    | Total Organic Carbon       | 130   | 4.12    | 0      | 153     | 13.23  | 125       | 5            | 0             |
| MW-009    | Trichloroethene            | 103   | 0.03    | 0      | 2.2     | 0.22   | 4         | 99           | 0             |
| MW-009    | Vanadium                   | 105   | 0.00    | 0      | 0.0053  | 0.00   | 8         | 97           | 0             |
| MW-009    | Vinyl Chloride             | 103   | 0.02    | 0      | 1.8     | 0.18   | 2         | 101          | 2             |
| MW-009    | Xylene                     | 30    | 0.00    | 0      | 0       | 0.00   | 0         | 30           | 0             |
| MW-009    | Zinc                       | 107   | 0.00    | 0      | 0.0214  | 0.00   | 9         | 98           | 0             |
| MW-010    | 1,2-Dichloroethane         | 103   | 0.00    | 0      | 0       | 0.00   | 0         | 103          | 0             |
| MW-010    | 1,2-Dichloropropane        | 103   | 0.00    | 0      | 0       | 0.00   | 0         | 103          | 0             |
| MW-010    | Acetone                    | 103   | 0.03    | 0      | 2.8     | 0.28   | 1         | 102          | 0             |
| MW-010    | Alkalinity                 | 76    | 83.44   | 62     | 95.1    | 5.70   | 76        | 0            | 0             |
| MW-010    | Ammonia                    | 104   | 0.02    | 0      | 0.86    | 0.09   | 16        | 88           | 0             |
| MW-010    | Arsenic                    | 101   | 0.00    | 0      | 0       | 0.00   | 0         | 101          | 0             |
| MW-010    | Barium                     | 107   | 0.04    | 0.0188 | 0.0489  | 0.00   | 107       | 0            | 0             |
| MW-010    | Benzene                    | 103   | 0.00    | 0      | 0.2     | 0.02   | 1         | 102          | 0             |
| MW-010    | bis(2-Ethylhexyl)Phthalate | 13    | 0.00    | 0      | 0       | 0.00   | 0         | 13           | 0             |
| MW-010    | Chloride                   | 73    | 0.57    | 0      | 5.8     | 0.86   | 52        | 21           | 0             |
| MW-010    | cis-1,2-dichloroethene     | 100   | 0.01    | 0      | 0.5     | 0.05   | 1         | 99           | 0             |
| MW-010    | Ethylbenzene               | 94    | 0.00    | 0      | 0       | 0.00   | 0         | 94           | 0             |
| MW-010    | Lead                       | 103   | 0.00    | 0      | 0.002   | 0.00   | 2         | 101          | 0             |
| MW-010    | m,p-Xylene                 | 64    | 0.00    | 0      | 0       | 0.00   | 0         | 64           | 0             |

| StationID | Analyte                    | Count | Average  | Min    | Max   | StDev   | # Detects | # NonDetects | # Exceedances |
|-----------|----------------------------|-------|----------|--------|-------|---------|-----------|--------------|---------------|
| MW-010    | Manganese                  | 101   | 0.00     | 0      | 0.003 | 0.00    | 6         | 95           | 0             |
| MW-010    | Mercury                    | 101   | 0.00     | 0      | 0     | 0.00    | 0         | 101          | 0             |
| MW-010    | Methylene Chloride         | 103   | 0.00     | 0      | 0     | 0.00    | 0         | 103          | 0             |
| MW-010    | N-Nitrate                  | 73    | 0.24     | 0.028  | 0.365 | 0.04    | 73        | 0            | 0             |
| MW-010    | o-Xylene                   | 92    | 0.01     | 0      | 0.4   | 0.05    | 2         | 90           | 0             |
| MW-010    | Sulfate                    | 72    | 0.89     | 0      | 5.2   | 1.09    | 51        | 21           | 0             |
| MW-010    | Tetrachloroethene          | 103   | 0.00     | 0      | 0     | 0.00    | 0         | 103          | 0             |
| MW-010    | Toluene                    | 104   | 0.02     | 0      | 0.9   | 0.10    | 3         | 101          | 0             |
| MW-010    | Total Dissolved Solids     | 77    | 113.61   | 69     | 160   | 14.31   | 77        | 0            | 0             |
| MW-010    | Total Organic Carbon       | 101   | 0.13     | 0      | 2.8   | 0.50    | 8         | 93           | 0             |
| MW-010    | Trichloroethene            | 103   | 0.00     | 0      | 0     | 0.00    | 0         | 103          | 0             |
| MW-010    | Vanadium                   | 101   | 0.00     | 0      | 0     | 0.00    | 0         | 101          | 0             |
| MW-010    | Vinyl Chloride             | 103   | 0.00     | 0      | 0     | 0.00    | 0         | 103          | 0             |
| MW-010    | Xylene                     | 31    | 0.06     | 0      | 1     | 0.23    | 2         | 29           | 0             |
| MW-010    | Zinc                       | 104   | 0.00     | 0      | 0.007 | 0.00    | 8         | 96           | 0             |
| MW-011    | Alkalinity                 | 28    | 2184.29  | 1100   | 4400  | 792.26  | 28        | 0            | 0             |
| MW-011    | Ammonia                    | 34    | 192.08   | 51     | 480   | 104.94  | 34        | 0            | 0             |
| MW-011    | Arsenic                    | 27    | 0.02     | 0      | 0.046 | 0.01    | 26        | 1            | 0             |
| MW-011    | Barium                     | 28    | 2.66     | 1.14   | 4.8   | 1.04    | 28        | 0            | 0             |
| MW-011    | Chloride                   | 34    | 6209.12  | 620    | 12300 | 2779.12 | 34        | 0            | 0             |
| MW-011    | Manganese                  | 34    | 17.96    | 1.09   | 68    | 17.18   | 34        | 0            | 0             |
| MW-011    | Sulfate                    | 27    | 34.60    | 0      | 300   | 66.19   | 22        | 5            | 0             |
| MW-011    | Total Dissolved Solids     | 28    | 14513.93 | 2500   | 26000 | 5852.09 | 28        | 0            | 0             |
| MW-011    | Total Organic Carbon       | 34    | 1284.18  | 110    | 6900  | 1499.33 | 34        | 0            | 0             |
| MW-011    | Zinc                       | 28    | 0.27     | 0      | 6.7   | 1.26    | 17        | 11           | 0             |
| MW-012    | Alkalinity                 | 9     | 140.89   | 110    | 170   | 25.93   | 9         | 0            | 0             |
| MW-012    | Ammonia                    | 9     | 0.02     | 0      | 0.084 | 0.03    | 3         | 6            | 0             |
| MW-012    | Arsenic                    | 9     | 0.00     | 0      | 0     | 0.00    | 0         | 9            | 0             |
| MW-012    | Barium                     | 9     | 0.04     | 0.0292 | 0.05  | 0.01    | 9         | 0            | 0             |
| MW-012    | Chloride                   | 9     | 5.32     | 4      | 6.8   | 0.87    | 9         | 0            | 0             |
| MW-012    | Lead                       | 9     | 0.00     | 0      | 0.001 | 0.00    | 1         | 8            | 0             |
| MW-012    | Manganese                  | 9     | 0.00     | 0      | 0.025 | 0.01    | 5         | 4            | 0             |
| MW-012    | Mercury                    | 9     | 0.00     | 0      | 0     | 0.00    | 0         | 9            | 0             |
| MW-012    | N-Nitrate                  | 9     | 0.71     | 0.247  | 1.1   | 0.24    | 9         | 0            | 0             |
| MW-012    | Sulfate                    | 9     | 10.63    | 6.3    | 17    | 3.53    | 9         | 0            | 0             |
| MW-012    | Total Dissolved Solids     | 9     | 256.33   | 167    | 370   | 58.66   | 9         | 0            | 0             |
| MW-012    | Total Organic Carbon       | 9     | 3.35     | 0      | 6.4   | 1.87    | 8         | 1            | 0             |
| MW-012    | Vanadium                   | 9     | 0.00     | 0      | 0.003 | 0.00    | 1         | 8            | 0             |
| MW-012    | Zinc                       | 9     | 0.00     | 0      | 0.016 | 0.01    | 4         | 5            | 0             |
| MW-013    | 1,2-Dichloroethane         | 57    | 0.00     | 0      | 0     | 0.00    | 0         | 57           | 0             |
| MW-013    | 1,2-Dichloropropane        | 57    | 0.00     | 0      | 0     | 0.00    | 0         | 57           | 0             |
| MW-013    | Acetone                    | 58    | 0.35     | 0      | 8     | 1.39    | 4         | 54           | 0             |
| MW-013    | Alkalinity                 | 53    | 192.65   | 44.6   | 228   | 34.19   | 53        | 0            | 0             |
| MW-013    | Ammonia                    | 50    | 0.01     | 0      | 0.158 | 0.02    | 6         | 44           | 0             |
| MW-013    | Arsenic                    | 50    | 0.00     | 0      | 0.007 | 0.00    | 3         | 47           | 0             |
| MW-013    | Barium                     | 52    | 0.06     | 0.04   | 0.141 | 0.02    | 52        | 0            | 0             |
| MW-013    | Benzene                    | 57    | 0.01     | 0      | 0.63  | 0.08    | 1         | 56           | 0             |
| MW-013    | bis(2-Ethylhexyl)Phthalate | 13    | 0.00     | 0      | 0     | 0.00    | 0         | 13           | 0             |
| MW-013    | Chloride                   | 51    | 9.81     | 1.3    | 14    | 3.32    | 51        | 0            | 0             |
| MW-013    | cis-1,2-dichloroethene     | 55    | 0.01     | 0      | 0.2   | 0.04    | 3         | 52           | 0             |
| MW-013    | Ethylbenzene               | 52    | 0.00     | 0      | 0     | 0.00    | 0         | 52           | 0             |
| MW-013    | Lead                       | 50    | 0.00     | 0      | 0.039 | 0.01    | 8         | 42           | 0             |

| StationID | Analyte                    | Count | Average | Min    | Max     | StDev | # Detects | # NonDetects | # Exceedances |
|-----------|----------------------------|-------|---------|--------|---------|-------|-----------|--------------|---------------|
| MW-013    | m,p-Xylene                 | 37    | 0.00    | 0      | 0       | 0.00  | 0         | 37           | 0             |
| MW-013    | Manganese                  | 50    | 0.01    | 0      | 0.061   | 0.01  | 15        | 35           | 0             |
| MW-013    | Mercury                    | 50    | 0.00    | 0      | 0       | 0.00  | 0         | 50           | 0             |
| MW-013    | Methylene Chloride         | 57    | 0.71    | 0      | 2.6     | 0.98  | 21        | 36           | 0             |
| MW-013    | N-Nitrate                  | 51    | 1.96    | 0.197  | 6.58    | 1.74  | 51        | 0            | 0             |
| MW-013    | o-Xylene                   | 50    | 0.00    | 0      | 0       | 0.00  | 0         | 50           | 0             |
| MW-013    | Sulfate                    | 51    | 5.79    | 0      | 10.4    | 1.81  | 50        | 1            | 0             |
| MW-013    | Tetrachloroethene          | 58    | 0.61    | 0      | 1.6     | 0.47  | 40        | 18           | 21            |
| MW-013    | Toluene                    | 58    | 0.02    | 0      | 0.7     | 0.10  | 3         | 55           | 0             |
| MW-013    | Total Dissolved Solids     | 51    | 256.27  | 121    | 327     | 42.15 | 51        | 0            | 0             |
| MW-013    | Total Organic Carbon       | 51    | 1.33    | 0      | 4.7     | 0.98  | 40        | 11           | 0             |
| MW-013    | Trichloroethene            | 57    | 0.18    | 0      | 0.7     | 0.25  | 21        | 36           | 0             |
| MW-013    | Vanadium                   | 50    | 0.00    | 0      | 0       | 0.00  | 0         | 50           | 0             |
| MW-013    | Vinyl Chloride             | 57    | 0.00    | 0      | 0       | 0.00  | 0         | 57           | 0             |
| MW-013    | Xylene                     | 15    | 0.00    | 0      | 0       | 0.00  | 0         | 15           | 0             |
| MW-013    | Zinc                       | 50    | 0.00    | 0      | 0.08    | 0.01  | 11        | 39           | 0             |
| MW-014    | 1,2-Dichloroethane         | 103   | 0.00    | 0      | 0       | 0.00  | 0         | 103          | 0             |
| MW-014    | 1,2-Dichloropropane        | 103   | 0.00    | 0      | 0       | 0.00  | 0         | 103          | 0             |
| MW-014    | Acetone                    | 103   | 0.00    | 0      | 0       | 0.00  | 0         | 103          | 0             |
| MW-014    | Alkalinity                 | 74    | 76.04   | 62     | 82.6    | 3.18  | 74        | 0            | 0             |
| MW-014    | Ammonia                    | 110   | 0.01    | 0      | 0.58    | 0.06  | 22        | 88           | 0             |
| MW-014    | Arsenic                    | 104   | 0.00    | 0      | 0.006   | 0.00  | 10        | 94           | 0             |
| MW-014    | Barium                     | 103   | 0.00    | 0      | 0.052   | 0.01  | 7         | 96           | 0             |
| MW-014    | Benzene                    | 103   | 0.01    | 0      | 0.7     | 0.07  | 2         | 101          | 0             |
| MW-014    | bis(2-Ethylhexyl)Phthalate | 13    | 0.14    | 0      | 1.8     | 0.50  | 1         | 12           | 0             |
| MW-014    | Chloride                   | 79    | 1.05    | 0      | 7.1     | 1.09  | 66        | 13           | 0             |
| MW-014    | cis-1,2-dichloroethene     | 100   | 0.00    | 0      | 0       | 0.00  | 0         | 100          | 0             |
| MW-014    | Ethylbenzene               | 94    | 0.01    | 0      | 0.5     | 0.05  | 1         | 93           | 0             |
| MW-014    | Lead                       | 103   | 0.00    | 0      | 0.0127  | 0.00  | 9         | 94           | 0             |
| MW-014    | m,p-Xylene                 | 64    | 0.00    | 0      | 0       | 0.00  | 0         | 64           | 0             |
| MW-014    | Manganese                  | 110   | 0.20    | 0.0505 | 1.78    | 0.23  | 110       | 0            | 0             |
| MW-014    | Mercury                    | 103   | 0.00    | 0      | 0.0002  | 0.00  | 1         | 102          | 0             |
| MW-014    | Methylene Chloride         | 103   | 0.00    | 0      | 0       | 0.00  | 0         | 103          | 0             |
| MW-014    | N-Nitrate                  | 72    | 0.00    | 0      | 0.059   | 0.01  | 12        | 60           | 0             |
| MW-014    | o-Xylene                   | 91    | 0.02    | 0      | 1.5     | 0.16  | 2         | 89           | 0             |
| MW-014    | Sulfate                    | 73    | 9.26    | 5.2    | 13      | 1.23  | 73        | 0            | 0             |
| MW-014    | Tetrachloroethene          | 103   | 0.00    | 0      | 0       | 0.00  | 0         | 103          | 0             |
| MW-014    | Toluene                    | 103   | 0.03    | 0      | 1.6     | 0.21  | 3         | 100          | 0             |
| MW-014    | Total Dissolved Solids     | 72    | 122.15  | 72     | 166     | 16.27 | 72        | 0            | 0             |
| MW-014    | Total Organic Carbon       | 110   | 0.21    | 0      | 3.5     | 0.61  | 15        | 95           | 0             |
| MW-014    | Trichloroethene            | 103   | 0.00    | 0      | 0       | 0.00  | 0         | 103          | 0             |
| MW-014    | Vanadium                   | 103   | 0.00    | 0      | 0.00115 | 0.00  | 1         | 102          | 0             |
| MW-014    | Vinyl Chloride             | 103   | 0.00    | 0      | 0       | 0.00  | 0         | 103          | 0             |
| MW-014    | Xylene                     | 30    | 0.12    | 0      | 2.9     | 0.54  | 2         | 28           | 0             |
| MW-014    | Zinc                       | 104   | 0.00    | 0      | 0.156   | 0.02  | 14        | 90           | 0             |
| MW-015    | 1,2-Dichloroethane         | 27    | 0.00    | 0      | 0       | 0.00  | 0         | 27           | 0             |
| MW-015    | 1,2-Dichloropropane        | 27    | 0.00    | 0      | 0       | 0.00  | 0         | 27           | 0             |
| MW-015    | Acetone                    | 27    | 0.07    | 0      | 1.8     | 0.35  | 1         | 26           | 0             |
| MW-015    | Alkalinity                 | 27    | 16.83   | 6.6    | 39      | 6.35  | 27        | 0            | 0             |
| MW-015    | Ammonia                    | 27    | 0.03    | 0      | 0.56    | 0.11  | 9         | 18           | 0             |
| MW-015    | Arsenic                    | 27    | 0.00    | 0      | 0       | 0.00  | 0         | 27           | 0             |
| MW-015    | Barium                     | 27    | 0.01    | 0      | 0.015   | 0.00  | 24        | 3            | 0             |

| StationID | Analyte                    | Count | Average | Min    | Max    | StDev   | # Detects | # NonDetects | # Exceedances |
|-----------|----------------------------|-------|---------|--------|--------|---------|-----------|--------------|---------------|
| MW-015    | Benzene                    | 27    | 0.05    | 0      | 0.7    | 0.16    | 3         | 24           | 0             |
| MW-015    | bis(2-Ethylhexyl)Phthalate | 12    | 0.00    | 0      | 0      | 0.00    | 0         | 12           | 0             |
| MW-015    | Chloride                   | 27    | 1.88    | 1      | 2.9    | 0.53    | 27        | 0            | 0             |
| MW-015    | cis-1,2-dichloroethene     | 26    | 0.00    | 0      | 0      | 0.00    | 0         | 26           | 0             |
| MW-015    | Ethylbenzene               | 26    | 0.02    | 0      | 0.5    | 0.10    | 1         | 25           | 0             |
| MW-015    | Lead                       | 27    | 0.00    | 0      | 0.001  | 0.00    | 5         | 22           | 0             |
| MW-015    | Manganese                  | 27    | 0.00    | 0      | 0.012  | 0.00    | 21        | 6            | 0             |
| MW-015    | Mercury                    | 27    | 0.00    | 0      | 0      | 0.00    | 0         | 27           | 0             |
| MW-015    | Methylene Chloride         | 27    | 0.00    | 0      | 0      | 0.00    | 0         | 27           | 0             |
| MW-015    | N-Nitrate                  | 27    | 1.37    | 0.41   | 2.2    | 0.43    | 27        | 0            | 0             |
| MW-015    | o-Xylene                   | 25    | 0.04    | 0      | 0.7    | 0.14    | 2         | 23           | 0             |
| MW-015    | Sulfate                    | 27    | 4.60    | 0      | 8.7    | 2.27    | 24        | 3            | 0             |
| MW-015    | Tetrachloroethene          | 27    | 0.00    | 0      | 0      | 0.00    | 0         | 27           | 0             |
| MW-015    | Toluene                    | 27    | 0.24    | 0      | 3.5    | 0.69    | 7         | 20           | 0             |
| MW-015    | Total Dissolved Solids     | 27    | 75.89   | 35     | 100    | 15.61   | 27        | 0            | 0             |
| MW-015    | Total Organic Carbon       | 27    | 2.53    | 0      | 8.3    | 1.70    | 23        | 4            | 0             |
| MW-015    | Trichloroethene            | 27    | 0.00    | 0      | 0      | 0.00    | 0         | 27           | 0             |
| MW-015    | Vanadium                   | 27    | 0.00    | 0      | 0      | 0.00    | 0         | 27           | 0             |
| MW-015    | Vinyl Chloride             | 27    | 0.00    | 0      | 0      | 0.00    | 0         | 27           | 0             |
| MW-015    | Xylene                     | 26    | 0.10    | 0      | 2      | 0.40    | 2         | 24           | 0             |
| MW-015    | Zinc                       | 27    | 0.00    | 0      | 0.01   | 0.00    | 7         | 20           | 0             |
| MW-016    | 1,2-Dichloroethane         | 127   | 2.20    | 0      | 14.9   | 1.86    | 91        | 36           | 89            |
| MW-016    | 1,2-Dichloropropane        | 128   | 11.55   | 0      | 18     | 4.52    | 120       | 8            | 120           |
| MW-016    | Acetone                    | 131   | 3532.25 | 0      | 14300  | 2214.61 | 128       | 3            | 116           |
| MW-016    | Alkalinity                 | 85    | 1333.60 | 369    | 1890   | 379.09  | 85        | 0            | 0             |
| MW-016    | Ammonia                    | 136   | 0.13    | 0      | 0.484  | 0.12    | 115       | 21           | 0             |
| MW-016    | Arsenic                    | 132   | 0.04    | 0      | 0.0722 | 0.02    | 129       | 3            | 0             |
| MW-016    | Barium                     | 132   | 0.71    | 0.0928 | 0.899  | 0.14    | 132       | 0            | 0             |
| MW-016    | Benzene                    | 129   | 13.16   | 0      | 21.3   | 4.88    | 123       | 6            | 123           |
| MW-016    | Chloride                   | 89    | 91.03   | 2      | 169    | 56.41   | 89        | 0            | 0             |
| MW-016    | cis-1,2-dichloroethene     | 127   | 72.14   | 0      | 148    | 45.48   | 126       | 1            | 86            |
| MW-016    | Ethylbenzene               | 119   | 54.80   | 0      | 86.4   | 18.29   | 117       | 2            | 0             |
| MW-016    | Lead                       | 85    | 0.00    | 0      | 0.0129 | 0.00    | 9         | 76           | 0             |
| MW-016    | m,p-Xylene                 | 83    | 44.60   | 27.4   | 61.6   | 6.81    | 83        | 0            | 0             |
| MW-016    | Manganese                  | 139   | 7.14    | 0.15   | 17.5   | 5.40    | 139       | 0            | 0             |
| MW-016    | Mercury                    | 84    | 0.00    | 0      | 0.0034 | 0.00    | 3         | 81           | 0             |
| MW-016    | Methylene Chloride         | 125   | 94.79   | 0      | 560    | 149.35  | 70        | 55           | 56            |
| MW-016    | N-Nitrate                  | 48    | 0.74    | 0      | 22.1   | 3.24    | 15        | 33           | 0             |
| MW-016    | o-Xylene                   | 116   | 19.79   | 0      | 31.6   | 6.28    | 114       | 2            | 0             |
| MW-016    | Sulfate                    | 82    | 3.03    | 0      | 24     | 4.96    | 57        | 25           | 0             |
| MW-016    | Tetrachloroethene          | 115   | 0.90    | 0      | 17     | 2.72    | 22        | 93           | 19            |
| MW-016    | Toluene                    | 130   | 70.64   | 0      | 160    | 37.02   | 128       | 2            | 28            |
| MW-016    | Total Dissolved Solids     | 84    | 1880.69 | 375    | 2943   | 666.50  | 84        | 0            | 0             |
| MW-016    | Total Organic Carbon       | 137   | 295.68  | 4.44   | 770    | 204.41  | 137       | 0            | 0             |
| MW-016    | Trichloroethene            | 129   | 17.43   | 0      | 96     | 23.29   | 106       | 23           | 88            |
| MW-016    | Vanadium                   | 86    | 0.00    | 0      | 0.0191 | 0.00    | 6         | 80           | 0             |
| MW-016    | Vinyl Chloride             | 130   | 7.54    | 0      | 17.1   | 4.85    | 111       | 19           | 111           |
| MW-016    | Xylene                     | 36    | 32.38   | 0      | 55.9   | 15.57   | 35        | 1            | 0             |
| MW-016    | Zinc                       | 115   | 0.00    | 0      | 0.11   | 0.01    | 13        | 102          | 0             |
| MW-018    | 1,2-Dichloroethane         | 30    | 0.00    | 0      | 0      | 0.00    | 0         | 30           | 0             |
| MW-018    | 1,2-Dichloropropane        | 30    | 0.00    | 0      | 0      | 0.00    | 0         | 30           | 0             |
| MW-018    | Acetone                    | 30    | 0.55    | 0      | 9      | 1.86    | 3         | 27           | 0             |

| StationID | Analyte                    | Count | Average | Min   | Max    | StDev | # Detects | # NonDetects | # Exceedances |
|-----------|----------------------------|-------|---------|-------|--------|-------|-----------|--------------|---------------|
| MW-018    | Alkalinity                 | 30    | 82.66   | 45    | 98     | 8.78  | 30        | 0            | 0             |
| MW-018    | Ammonia                    | 30    | 0.01    | 0     | 0.18   | 0.03  | 10        | 20           | 0             |
| MW-018    | Arsenic                    | 30    | 0.00    | 0     | 0.0026 | 0.00  | 26        | 4            | 0             |
| MW-018    | Barium                     | 30    | 0.01    | 0     | 0.016  | 0.00  | 26        | 4            | 0             |
| MW-018    | Benzene                    | 30    | 0.12    | 0     | 1      | 0.29  | 6         | 24           | 3             |
| MW-018    | bis(2-Ethylhexyl)Phthalate | 14    | 0.16    | 0     | 1.2    | 0.42  | 2         | 12           | 0             |
| MW-018    | Chloride                   | 30    | 7.21    | 3.06  | 26     | 5.56  | 30        | 0            | 0             |
| MW-018    | cis-1,2-dichloroethene     | 27    | 0.00    | 0     | 0      | 0.00  | 0         | 27           | 0             |
| MW-018    | Ethylbenzene               | 28    | 0.00    | 0     | 0      | 0.00  | 0         | 28           | 0             |
| MW-018    | Lead                       | 30    | 0.00    | 0     | 0.001  | 0.00  | 1         | 29           | 0             |
| MW-018    | Manganese                  | 30    | 0.01    | 0     | 0.0257 | 0.01  | 26        | 4            | 0             |
| MW-018    | Mercury                    | 30    | 0.00    | 0     | 0      | 0.00  | 0         | 30           | 0             |
| MW-018    | Methylene Chloride         | 30    | 0.00    | 0     | 0      | 0.00  | 0         | 30           | 0             |
| MW-018    | N-Nitrate                  | 29    | 0.02    | 0     | 0.064  | 0.02  | 15        | 14           | 0             |
| MW-018    | o-Xylene                   | 25    | 0.03    | 0     | 0.3    | 0.09  | 3         | 22           | 0             |
| MW-018    | Sulfate                    | 30    | 7.42    | 3.4   | 11     | 1.59  | 30        | 0            | 0             |
| MW-018    | Tetrachloroethene          | 30    | 0.00    | 0     | 0      | 0.00  | 0         | 30           | 0             |
| MW-018    | Toluene                    | 30    | 0.40    | 0     | 5      | 1.07  | 7         | 23           | 0             |
| MW-018    | Total Dissolved Solids     | 30    | 125.37  | 88    | 176    | 18.75 | 30        | 0            | 0             |
| MW-018    | Total Organic Carbon       | 30    | 0.32    | 0     | 3      | 0.86  | 4         | 26           | 0             |
| MW-018    | Trichloroethene            | 30    | 0.00    | 0     | 0      | 0.00  | 0         | 30           | 0             |
| MW-018    | Vanadium                   | 30    | 0.00    | 0     | 0      | 0.00  | 0         | 30           | 0             |
| MW-018    | Vinyl Chloride             | 30    | 0.00    | 0     | 0      | 0.00  | 0         | 30           | 0             |
| MW-018    | Xylene                     | 28    | 0.35    | 0     | 6      | 1.18  | 5         | 23           | 0             |
| MW-018    | Zinc                       | 30    | 0.00    | 0     | 0.012  | 0.00  | 6         | 24           | 0             |
| MW-019R   | 1,2-Dichloroethane         | 72    | 0.00    | 0     | 0.2    | 0.03  | 2         | 70           | 0             |
| MW-019R   | 1,2-Dichloropropane        | 72    | 0.00    | 0     | 0.1    | 0.01  | 1         | 71           | 0             |
| MW-019R   | Acetone                    | 72    | 0.00    | 0     | 0      | 0.00  | 0         | 72           | 0             |
| MW-019R   | Alkalinity                 | 67    | 187.88  | 106   | 246    | 48.02 | 67        | 0            | 0             |
| MW-019R   | Ammonia                    | 98    | 0.02    | 0     | 1.21   | 0.12  | 19        | 79           | 0             |
| MW-019R   | Arsenic                    | 98    | 0.00    | 0     | 0.005  | 0.00  | 3         | 95           | 0             |
| MW-019R   | Barium                     | 98    | 0.08    | 0.032 | 0.201  | 0.03  | 98        | 0            | 0             |
| MW-019R   | Benzene                    | 72    | 0.05    | 0     | 3.2    | 0.38  | 2         | 70           | 1             |
| MW-019R   | Chloride                   | 67    | 34.26   | 5.82  | 64     | 19.41 | 67        | 0            | 0             |
| MW-019R   | cis-1,2-dichloroethene     | 72    | 0.60    | 0     | 3.08   | 0.89  | 27        | 45           | 0             |
| MW-019R   | Ethylbenzene               | 65    | 0.00    | 0     | 0      | 0.00  | 0         | 65           | 0             |
| MW-019R   | Lead                       | 71    | 0.00    | 0     | 0.0081 | 0.00  | 4         | 67           | 0             |
| MW-019R   | m,p-Xylene                 | 63    | 0.01    | 0     | 0.69   | 0.09  | 1         | 62           | 0             |
| MW-019R   | Manganese                  | 98    | 0.02    | 0     | 0.436  | 0.06  | 81        | 17           | 0             |
| MW-019R   | Mercury                    | 71    | 0.00    | 0     | 0      | 0.00  | 0         | 71           | 0             |
| MW-019R   | Methylene Chloride         | 72    | 0.00    | 0     | 0.2    | 0.02  | 1         | 71           | 0             |
| MW-019R   | N-Nitrate                  | 41    | 1.39    | 0.91  | 1.68   | 0.13  | 41        | 0            | 0             |
| MW-019R   | o-Xylene                   | 65    | 0.00    | 0     | 0      | 0.00  | 0         | 65           | 0             |
| MW-019R   | Sulfate                    | 67    | 14.64   | 4.65  | 77     | 15.39 | 67        | 0            | 0             |
| MW-019R   | Tetrachloroethene          | 72    | 0.05    | 0     | 0.52   | 0.14  | 8         | 64           | 0             |
| MW-019R   | Toluene                    | 72    | 0.06    | 0     | 3.34   | 0.41  | 3         | 69           | 0             |
| MW-019R   | Total Dissolved Solids     | 66    | 298.39  | 117   | 450    | 89.00 | 66        | 0            | 0             |
| MW-019R   | Total Organic Carbon       | 98    | 2.65    | 0     | 9      | 1.49  | 92        | 6            | 0             |
| MW-019R   | Trichloroethene            | 72    | 0.07    | 0     | 0.6    | 0.18  | 9         | 63           | 0             |
| MW-019R   | Vanadium                   | 71    | 0.00    | 0     | 0      | 0.00  | 0         | 71           | 0             |
| MW-019R   | Vinyl Chloride             | 72    | 0.17    | 0     | 2.28   | 0.43  | 13        | 59           | 13            |
| MW-019R   | Xylene                     | 2     | 0.00    | 0     | 0      | 0.00  | 0         | 2            | 0             |

| StationID | Analyte                    | Count | Average | Min    | Max     | StDev  | # Detects | # NonDetects | # Exceedances |
|-----------|----------------------------|-------|---------|--------|---------|--------|-----------|--------------|---------------|
| MW-019R   | Zinc                       | 98    | 0.01    | 0      | 0.147   | 0.02   | 28        | 70           | 0             |
| MW-020    | 1,2-Dichloroethane         | 57    | 0.00    | 0      | 0       | 0.00   | 0         | 57           | 0             |
| MW-020    | 1,2-Dichloropropane        | 57    | 0.00    | 0      | 0       | 0.00   | 0         | 57           | 0             |
| MW-020    | Acetone                    | 57    | 0.42    | 0      | 10      | 1.84   | 4         | 53           | 0             |
| MW-020    | Alkalinity                 | 51    | 260.18  | 161    | 307     | 33.31  | 51        | 0            | 0             |
| MW-020    | Ammonia                    | 50    | 0.01    | 0      | 0.132   | 0.02   | 6         | 44           | 0             |
| MW-020    | Arsenic                    | 50    | 0.00    | 0      | 0.009   | 0.00   | 24        | 26           | 0             |
| MW-020    | Barium                     | 51    | 0.26    | 0.0542 | 0.763   | 0.15   | 51        | 0            | 0             |
| MW-020    | Benzene                    | 57    | 0.01    | 0      | 0.14    | 0.03   | 3         | 54           | 0             |
| MW-020    | Chloride                   | 51    | 13.34   | 0      | 27.5    | 6.61   | 50        | 1            | 0             |
| MW-020    | cis-1,2-dichloroethene     | 55    | 0.02    | 0      | 0.33    | 0.08   | 4         | 51           | 0             |
| MW-020    | Ethylbenzene               | 52    | 0.00    | 0      | 0       | 0.00   | 0         | 52           | 0             |
| MW-020    | Lead                       | 50    | 0.02    | 0      | 0.066   | 0.02   | 37        | 13           | 0             |
| MW-020    | m,p-Xylene                 | 37    | 0.00    | 0      | 0       | 0.00   | 0         | 37           | 0             |
| MW-020    | Manganese                  | 51    | 0.12    | 0      | 0.434   | 0.11   | 45        | 6            | 0             |
| MW-020    | Mercury                    | 50    | 0.00    | 0      | 0.00021 | 0.00   | 1         | 49           | 0             |
| MW-020    | Methylene Chloride         | 57    | 0.57    | 0      | 2.3     | 0.83   | 19        | 38           | 0             |
| MW-020    | N-Nitrate                  | 51    | 6.03    | 0.13   | 8.54    | 2.11   | 51        | 0            | 0             |
| MW-020    | o-Xylene                   | 50    | 0.01    | 0      | 0.34    | 0.06   | 2         | 48           | 0             |
| MW-020    | Sulfate                    | 50    | 13.75   | 0      | 27.8    | 5.56   | 49        | 1            | 0             |
| MW-020    | Tetrachloroethene          | 57    | 0.02    | 0      | 0.21    | 0.06   | 6         | 51           | 0             |
| MW-020    | Toluene                    | 57    | 0.02    | 0      | 1       | 0.14   | 2         | 55           | 0             |
| MW-020    | Total Dissolved Solids     | 51    | 381.08  | 200    | 784     | 95.94  | 51        | 0            | 0             |
| MW-020    | Total Organic Carbon       | 51    | 2.26    | 0      | 6.8     | 1.33   | 47        | 4            | 0             |
| MW-020    | Trichloroethene            | 57    | 0.08    | 0      | 0.5     | 0.15   | 14        | 43           | 0             |
| MW-020    | Vanadium                   | 50    | 0.00    | 0      | 0.0177  | 0.00   | 11        | 39           | 0             |
| MW-020    | Vinyl Chloride             | 57    | 0.01    | 0      | 0.5     | 0.07   | 3         | 54           | 3             |
| MW-020    | Xylene                     | 15    | 0.09    | 0      | 1       | 0.27   | 2         | 13           | 0             |
| MW-020    | Zinc                       | 50    | 0.04    | 0      | 0.129   | 0.03   | 43        | 7            | 0             |
| MW-023    | 1,2-Dichloroethane         | 144   | 1.10    | 0      | 2.4     | 0.67   | 120       | 24           | 65            |
| MW-023    | 1,2-Dichloropropane        | 140   | 0.77    | 0      | 1.34    | 0.38   | 120       | 20           | 97            |
| MW-023    | Acetone                    | 113   | 0.60    | 0      | 7.36    | 1.47   | 19        | 94           | 0             |
| MW-023    | Alkalinity                 | 115   | 511.77  | 0      | 757     | 143.89 | 114       | 1            | 0             |
| MW-023    | Ammonia                    | 124   | 0.01    | 0      | 0.12    | 0.02   | 27        | 97           | 0             |
| MW-023    | Arsenic                    | 113   | 0.00    | 0      | 0.00334 | 0.00   | 30        | 83           | 0             |
| MW-023    | Barium                     | 158   | 0.20    | 0.0091 | 0.299   | 0.05   | 158       | 0            | 0             |
| MW-023    | Benzene                    | 144   | 1.28    | 0      | 2.9     | 0.91   | 121       | 23           | 92            |
| MW-023    | bis(2-Ethylhexyl)Phthalate | 16    | 0.51    | 0      | 3.7     | 1.21   | 3         | 13           | 0             |
| MW-023    | Chloride                   | 119   | 88.41   | 1.38   | 188     | 51.93  | 119       | 0            | 0             |
| MW-023    | cis-1,2-dichloroethene     | 152   | 3.06    | 0      | 8.37    | 2.22   | 141       | 11           | 0             |
| MW-023    | Ethylbenzene               | 95    | 0.00    | 0      | 0       | 0.00   | 0         | 95           | 0             |
| MW-023    | Lead                       | 110   | 0.00    | 0      | 0.023   | 0.00   | 12        | 98           | 0             |
| MW-023    | m,p-Xylene                 | 65    | 0.02    | 0      | 0.68    | 0.10   | 2         | 63           | 0             |
| MW-023    | Manganese                  | 159   | 0.51    | 0      | 1.21    | 0.50   | 146       | 13           | 0             |
| MW-023    | Mercury                    | 107   | 0.00    | 0      | 0.0006  | 0.00   | 22        | 85           | 0             |
| MW-023    | Methylene Chloride         | 137   | 6.34    | 0      | 18.3    | 4.49   | 100       | 37           | 92            |
| MW-023    | N-Nitrate                  | 99    | 1.84    | 0      | 8.04    | 1.94   | 73        | 26           | 0             |
| MW-023    | o-Xylene                   | 124   | 3.80    | 0      | 13.9    | 3.99   | 87        | 37           | 0             |
| MW-023    | Sulfate                    | 121   | 5.82    | 0      | 11      | 2.13   | 119       | 2            | 0             |
| MW-023    | Tetrachloroethene          | 126   | 2.01    | 0      | 9       | 2.53   | 65        | 61           | 62            |
| MW-023    | Toluene                    | 105   | 0.00    | 0      | 0.22    | 0.02   | 1         | 104          | 0             |
| MW-023    | Total Dissolved Solids     | 118   | 712.73  | 394    | 1211    | 217.21 | 118       | 0            | 0             |

| StationID | Analyte                    | Count | Average | Min    | Max     | StDev | # Detects | # NonDetects | # Exceedances |
|-----------|----------------------------|-------|---------|--------|---------|-------|-----------|--------------|---------------|
| MW-023    | Total Organic Carbon       | 172   | 5.09    | 0      | 60      | 6.70  | 166       | 6            | 0             |
| MW-023    | Trichloroethene            | 158   | 3.41    | 0      | 9.7     | 2.69  | 144       | 14           | 62            |
| MW-023    | Vanadium                   | 118   | 0.00    | 0      | 0.00935 | 0.00  | 33        | 85           | 0             |
| MW-023    | Vinyl Chloride             | 146   | 1.09    | 0      | 3.8     | 0.88  | 120       | 26           | 120           |
| MW-023    | Xylene                     | 35    | 0.31    | 0      | 1       | 0.36  | 16        | 19           | 0             |
| MW-023    | Zinc                       | 110   | 0.00    | 0      | 0.0309  | 0.00  | 12        | 98           | 0             |
| MW-024    | Arsenic                    | 15    | 0.00    | 0      | 0       | 0.00  | 0         | 15           | 0             |
| MW-024    | Barium                     | 15    | 0.03    | 0      | 0.0497  | 0.01  | 14        | 1            | 0             |
| MW-024    | Lead                       | 15    | 0.00    | 0      | 0       | 0.00  | 0         | 15           | 0             |
| MW-024    | Manganese                  | 15    | 0.00    | 0      | 0.0082  | 0.00  | 10        | 5            | 0             |
| MW-024    | Mercury                    | 15    | 0.00    | 0      | 0       | 0.00  | 0         | 15           | 0             |
| MW-024    | Vanadium                   | 15    | 0.00    | 0      | 0.00151 | 0.00  | 1         | 14           | 0             |
| MW-024    | Zinc                       | 15    | 0.01    | 0      | 0.017   | 0.01  | 13        | 2            | 0             |
| MW-025    | Arsenic                    | 15    | 0.00    | 0      | 0.0017  | 0.00  | 2         | 13           | 0             |
| MW-025    | Barium                     | 15    | 0.06    | 0.052  | 0.061   | 0.00  | 15        | 0            | 0             |
| MW-025    | Lead                       | 15    | 0.00    | 0      | 0.0022  | 0.00  | 3         | 12           | 0             |
| MW-025    | Manganese                  | 15    | 0.00    | 0      | 0.005   | 0.00  | 4         | 11           | 0             |
| MW-025    | Mercury                    | 15    | 0.00    | 0      | 0       | 0.00  | 0         | 15           | 0             |
| MW-025    | Vanadium                   | 15    | 0.00    | 0      | 0.004   | 0.00  | 8         | 7            | 0             |
| MW-025    | Zinc                       | 15    | 0.00    | 0      | 0       | 0.00  | 0         | 15           | 0             |
| MW-026    | Arsenic                    | 15    | 0.00    | 0      | 0.001   | 0.00  | 1         | 14           | 0             |
| MW-026    | Barium                     | 17    | 0.06    | 0.0513 | 0.065   | 0.00  | 17        | 0            | 0             |
| MW-026    | Lead                       | 15    | 0.00    | 0      | 0.001   | 0.00  | 1         | 14           | 0             |
| MW-026    | Manganese                  | 15    | 0.00    | 0      | 0.003   | 0.00  | 1         | 14           | 0             |
| MW-026    | Mercury                    | 15    | 0.00    | 0      | 0       | 0.00  | 0         | 15           | 0             |
| MW-026    | Vanadium                   | 16    | 0.00    | 0      | 0.00225 | 0.00  | 2         | 14           | 0             |
| MW-026    | Zinc                       | 15    | 0.00    | 0      | 0.01    | 0.00  | 1         | 14           | 0             |
| MW-027    | Alkalinity                 | 9     | 157.78  | 130    | 210     | 24.27 | 9         | 0            | 0             |
| MW-027    | Ammonia                    | 9     | 0.00    | 0      | 0.029   | 0.01  | 1         | 8            | 0             |
| MW-027    | Arsenic                    | 15    | 0.00    | 0      | 0.0016  | 0.00  | 2         | 13           | 0             |
| MW-027    | Barium                     | 17    | 0.15    | 0.128  | 0.176   | 0.01  | 17        | 0            | 0             |
| MW-027    | Chloride                   | 10    | 51.83   | 12     | 77      | 20.00 | 10        | 0            | 0             |
| MW-027    | Lead                       | 15    | 0.00    | 0      | 0.001   | 0.00  | 1         | 14           | 0             |
| MW-027    | Manganese                  | 15    | 0.00    | 0      | 0.0231  | 0.01  | 8         | 7            | 0             |
| MW-027    | Mercury                    | 15    | 0.00    | 0      | 0       | 0.00  | 0         | 15           | 0             |
| MW-027    | N-Nitrate                  | 10    | 0.90    | 0.59   | 1.9     | 0.39  | 10        | 0            | 0             |
| MW-027    | Sulfate                    | 10    | 15.34   | 12     | 18      | 1.84  | 10        | 0            | 0             |
| MW-027    | Total Dissolved Solids     | 9     | 340.56  | 300    | 367     | 23.05 | 9         | 0            | 0             |
| MW-027    | Total Organic Carbon       | 10    | 1.73    | 0      | 3.9     | 1.45  | 7         | 3            | 0             |
| MW-027    | Vanadium                   | 17    | 0.00    | 0      | 0.0045  | 0.00  | 8         | 9            | 0             |
| MW-027    | Zinc                       | 17    | 0.00    | 0      | 0.011   | 0.00  | 4         | 13           | 0             |
| MW-028    | 1,2-Dichloroethane         | 9     | 0.00    | 0      | 0       | 0.00  | 0         | 9            | 0             |
| MW-028    | 1,2-Dichloropropane        | 9     | 0.00    | 0      | 0       | 0.00  | 0         | 9            | 0             |
| MW-028    | Acetone                    | 9     | 0.00    | 0      | 0       | 0.00  | 0         | 9            | 0             |
| MW-028    | Alkalinity                 | 9     | 181.67  | 140    | 240     | 33.54 | 9         | 0            | 0             |
| MW-028    | Ammonia                    | 9     | 0.01    | 0      | 0.035   | 0.01  | 2         | 7            | 0             |
| MW-028    | Arsenic                    | 15    | 0.00    | 0      | 0.0011  | 0.00  | 1         | 14           | 0             |
| MW-028    | Barium                     | 15    | 0.09    | 0.0551 | 0.19    | 0.04  | 15        | 0            | 0             |
| MW-028    | Benzene                    | 9     | 0.00    | 0      | 0       | 0.00  | 0         | 9            | 0             |
| MW-028    | bis(2-Ethylhexyl)Phthalate | 8     | 0.00    | 0      | 0       | 0.00  | 0         | 8            | 0             |
| MW-028    | Chloride                   | 9     | 36.01   | 1.1    | 160     | 55.99 | 9         | 0            | 0             |
| MW-028    | cis-1,2-dichloroethene     | 7     | 0.00    | 0      | 0       | 0.00  | 0         | 7            | 0             |

| StationID | Analyte                    | Count | Average | Min  | Max     | StDev  | # Detects | # NonDetects | # Exceedances |
|-----------|----------------------------|-------|---------|------|---------|--------|-----------|--------------|---------------|
| MW-028    | Ethylbenzene               | 9     | 0.00    | 0    | 0       | 0.00   | 0         | 9            | 0             |
| MW-028    | Lead                       | 15    | 0.00    | 0    | 0       | 0.00   | 0         | 15           | 0             |
| MW-028    | Manganese                  | 15    | 0.00    | 0    | 0.003   | 0.00   | 2         | 13           | 0             |
| MW-028    | Mercury                    | 15    | 0.00    | 0    | 0       | 0.00   | 0         | 15           | 0             |
| MW-028    | Methylene Chloride         | 9     | 0.00    | 0    | 0       | 0.00   | 0         | 9            | 0             |
| MW-028    | N-Nitrate                  | 9     | 12.22   | 8.4  | 14.7    | 2.48   | 9         | 0            | 0             |
| MW-028    | o-Xylene                   | 7     | 0.00    | 0    | 0       | 0.00   | 0         | 7            | 0             |
| MW-028    | Sulfate                    | 9     | 17.31   | 14   | 21      | 2.52   | 9         | 0            | 0             |
| MW-028    | Tetrachloroethene          | 9     | 0.00    | 0    | 0       | 0.00   | 0         | 9            | 0             |
| MW-028    | Toluene                    | 9     | 0.00    | 0    | 0       | 0.00   | 0         | 9            | 0             |
| MW-028    | Total Dissolved Solids     | 9     | 374.33  | 294  | 620     | 121.62 | 9         | 0            | 0             |
| MW-028    | Total Organic Carbon       | 9     | 1.11    | 0    | 3.9     | 1.46   | 4         | 5            | 0             |
| MW-028    | Trichloroethene            | 9     | 0.00    | 0    | 0       | 0.00   | 0         | 9            | 0             |
| MW-028    | Vanadium                   | 15    | 0.00    | 0    | 0.004   | 0.00   | 4         | 11           | 0             |
| MW-028    | Vinyl Chloride             | 9     | 0.00    | 0    | 0       | 0.00   | 0         | 9            | 0             |
| MW-028    | Xylene                     | 9     | 0.00    | 0    | 0       | 0.00   | 0         | 9            | 0             |
| MW-028    | Zinc                       | 15    | 0.00    | 0    | 0.007   | 0.00   | 2         | 13           | 0             |
| MW-029    | 1,2-Dichloroethane         | 103   | 0.00    | 0    | 0       | 0.00   | 0         | 103          | 0             |
| MW-029    | 1,2-Dichloropropane        | 103   | 0.00    | 0    | 0       | 0.00   | 0         | 103          | 0             |
| MW-029    | Acetone                    | 103   | 0.05    | 0    | 3.78    | 0.40   | 2         | 101          | 0             |
| MW-029    | Alkalinity                 | 72    | 55.83   | 26   | 311     | 36.64  | 72        | 0            | 0             |
| MW-029    | Ammonia                    | 102   | 0.01    | 0    | 0.08    | 0.02   | 18        | 84           | 0             |
| MW-029    | Arsenic                    | 102   | 0.00    | 0    | 0.001   | 0.00   | 1         | 101          | 0             |
| MW-029    | Barium                     | 102   | 0.10    | 0.03 | 2.51    | 0.24   | 102       | 0            | 0             |
| MW-029    | Benzene                    | 103   | 0.00    | 0    | 0       | 0.00   | 0         | 103          | 0             |
| MW-029    | bis(2-Ethylhexyl)Phthalate | 40    | 1.84    | 0    | 71      | 11.22  | 3         | 37           | 1             |
| MW-029    | Chloride                   | 72    | 108.90  | 38   | 176     | 49.43  | 72        | 0            | 0             |
| MW-029    | cis-1,2-dichloroethene     | 100   | 0.00    | 0    | 0       | 0.00   | 0         | 100          | 0             |
| MW-029    | Ethylbenzene               | 94    | 0.00    | 0    | 0.3     | 0.03   | 1         | 93           | 0             |
| MW-029    | Lead                       | 102   | 0.00    | 0    | 0       | 0.00   | 0         | 102          | 0             |
| MW-029    | m,p-Xylene                 | 64    | 0.00    | 0    | 0       | 0.00   | 0         | 64           | 0             |
| MW-029    | Manganese                  | 102   | 0.01    | 0    | 1.17    | 0.12   | 29        | 73           | 0             |
| MW-029    | Mercury                    | 102   | 0.00    | 0    | 0       | 0.00   | 0         | 102          | 0             |
| MW-029    | Methylene Chloride         | 103   | 0.00    | 0    | 0       | 0.00   | 0         | 103          | 0             |
| MW-029    | N-Nitrate                  | 72    | 0.79    | 0    | 2.26    | 0.32   | 70        | 2            | 0             |
| MW-029    | o-Xylene                   | 91    | 0.01    | 0    | 0.5     | 0.05   | 1         | 90           | 0             |
| MW-029    | Sulfate                    | 71    | 5.16    | 0    | 9.9     | 1.71   | 68        | 3            | 0             |
| MW-029    | Tetrachloroethene          | 103   | 0.30    | 0    | 0.97    | 0.32   | 53        | 50           | 2             |
| MW-029    | Toluene                    | 103   | 0.04    | 0    | 2       | 0.23   | 5         | 98           | 0             |
| MW-029    | Total Dissolved Solids     | 70    | 339.40  | 150  | 530     | 120.36 | 70        | 0            | 0             |
| MW-029    | Total Organic Carbon       | 102   | 0.31    | 0    | 5       | 0.82   | 18        | 84           | 0             |
| MW-029    | Trichloroethene            | 103   | 0.01    | 0    | 0.61    | 0.06   | 1         | 102          | 0             |
| MW-029    | Vanadium                   | 102   | 0.00    | 0    | 0.00108 | 0.00   | 1         | 101          | 0             |
| MW-029    | Vinyl Chloride             | 103   | 0.00    | 0    | 0       | 0.00   | 0         | 103          | 0             |
| MW-029    | Xylene                     | 30    | 0.14    | 0    | 3       | 0.59   | 2         | 28           | 0             |
| MW-029    | Zinc                       | 102   | 0.00    | 0    | 0.02    | 0.00   | 10        | 92           | 0             |
| MW-031    | 1,2-Dichloroethane         | 65    | 0.00    | 0    | 0       | 0.00   | 0         | 65           | 0             |
| MW-031    | 1,2-Dichloropropane        | 65    | 0.00    | 0    | 0       | 0.00   | 0         | 65           | 0             |
| MW-031    | Acetone                    | 66    | 0.04    | 0    | 1.4     | 0.21   | 2         | 64           | 0             |
| MW-031    | Alkalinity                 | 44    | 125.77  | 31   | 280     | 90.67  | 44        | 0            | 0             |
| MW-031    | Ammonia                    | 68    | 0.01    | 0    | 0.092   | 0.02   | 19        | 49           | 0             |
| MW-031    | Arsenic                    | 66    | 0.00    | 0    | 0.0019  | 0.00   | 9         | 57           | 0             |

| StationID | Analyte                    | Count | Average | Min    | Max    | StDev | # Detects | # NonDetects | # Exceedances |
|-----------|----------------------------|-------|---------|--------|--------|-------|-----------|--------------|---------------|
| MW-031    | Barium                     | 68    | 0.08    | 0.03   | 0.15   | 0.04  | 68        | 0            | 0             |
| MW-031    | Benzene                    | 65    | 0.00    | 0      | 0      | 0.00  | 0         | 65           | 0             |
| MW-031    | bis(2-Ethylhexyl)Phthalate | 8     | 0.14    | 0      | 1.1    | 0.39  | 1         | 7            | 0             |
| MW-031    | Chloride                   | 45    | 5.17    | 1      | 38     | 5.81  | 45        | 0            | 0             |
| MW-031    | cis-1,2-dichloroethene     | 65    | 0.00    | 0      | 0      | 0.00  | 0         | 65           | 0             |
| MW-031    | Ethylbenzene               | 60    | 0.00    | 0      | 0      | 0.00  | 0         | 60           | 0             |
| MW-031    | Lead                       | 66    | 0.00    | 0      | 0.002  | 0.00  | 5         | 61           | 0             |
| MW-031    | m,p-Xylene                 | 40    | 0.00    | 0      | 0      | 0.00  | 0         | 40           | 0             |
| MW-031    | Manganese                  | 69    | 0.08    | 0      | 0.963  | 0.17  | 56        | 13           | 0             |
| MW-031    | Mercury                    | 65    | 0.00    | 0      | 0      | 0.00  | 0         | 65           | 0             |
| MW-031    | Methylene Chloride         | 65    | 0.00    | 0      | 0      | 0.00  | 0         | 65           | 0             |
| MW-031    | N-Nitrate                  | 43    | 0.35    | 0      | 2.44   | 0.55  | 36        | 7            | 0             |
| MW-031    | o-Xylene                   | 60    | 0.00    | 0      | 0      | 0.00  | 0         | 60           | 0             |
| MW-031    | Sulfate                    | 45    | 5.96    | 0      | 17     | 3.17  | 44        | 1            | 0             |
| MW-031    | Tetrachloroethene          | 65    | 0.00    | 0      | 0      | 0.00  | 0         | 65           | 0             |
| MW-031    | Toluene                    | 65    | 0.00    | 0      | 0.3    | 0.04  | 1         | 64           | 0             |
| MW-031    | Total Dissolved Solids     | 44    | 188.02  | 61     | 340    | 82.10 | 44        | 0            | 0             |
| MW-031    | Total Organic Carbon       | 69    | 5.01    | 0      | 15     | 2.18  | 68        | 1            | 0             |
| MW-031    | Trichloroethene            | 65    | 0.00    | 0      | 0      | 0.00  | 0         | 65           | 0             |
| MW-031    | Vanadium                   | 66    | 0.00    | 0      | 0.0077 | 0.00  | 15        | 51           | 0             |
| MW-031    | Vinyl Chloride             | 65    | 0.00    | 0      | 0      | 0.00  | 0         | 65           | 0             |
| MW-031    | Xylene                     | 20    | 0.00    | 0      | 0      | 0.00  | 0         | 20           | 0             |
| MW-031    | Zinc                       | 67    | 0.00    | 0      | 0.013  | 0.00  | 13        | 54           | 0             |
| SW-1      | Ammonia                    | 2     | 0.01    | 0      | 0.021  | 0.01  | 1         | 1            | 0             |
| SW-1      | Arsenic                    | 3     | 0.00    | 0.001  | 0.002  | 0.00  | 3         | 0            | 0             |
| SW-1      | Barium                     | 3     | 0.06    | 0.062  | 0.0663 | 0.00  | 3         | 0            | 0             |
| SW-1      | bis(2-Ethylhexyl)Phthalate | 3     | 0.40    | 0      | 1.2    | 0.69  | 1         | 2            | 0             |
| SW-1      | Chloride                   | 3     | 7.90    | 6.6    | 9.3    | 1.35  | 3         | 0            | 0             |
| SW-1      | Copper                     | 3     | 0.01    | 0.002  | 0.0111 | 0.00  | 3         | 0            | 0             |
| SW-1      | Lead                       | 2     | 0.00    | 0      | 0      | 0.00  | 0         | 2            | 0             |
| SW-1      | Mercury                    | 2     | 0.00    | 0      | 0      | 0.00  | 0         | 2            | 0             |
| SW-1      | N-Nitrate                  | 3     | 0.97    | 0.022  | 1.5    | 0.83  | 3         | 0            | 0             |
| SW-1      | Silver                     | 2     | 0.00    | 0      | 0      | 0.00  | 0         | 2            | 0             |
| SW-1      | total cyanide              | 2     | 0.00    | 0      | 0      | 0.00  | 0         | 2            | 0             |
| SW-1      | Total Organic Carbon       | 3     | 8.97    | 6.7    | 13     | 3.50  | 3         | 0            | 0             |
| SW-1      | Zinc                       | 3     | 0.03    | 0.021  | 0.0396 | 0.01  | 3         | 0            | 0             |
| SW-2      | Ammonia                    | 2     | 0.06    | 0.017  | 0.095  | 0.06  | 2         | 0            | 0             |
| SW-2      | Arsenic                    | 2     | 0.00    | 0      | 0.002  | 0.00  | 1         | 1            | 0             |
| SW-2      | Barium                     | 2     | 0.58    | 0.124  | 1.04   | 0.65  | 2         | 0            | 0             |
| SW-2      | bis(2-Ethylhexyl)Phthalate | 2     | 0.00    | 0      | 0      | 0.00  | 0         | 2            | 0             |
| SW-2      | Chloride                   | 2     | 15.05   | 9.1    | 21     | 8.41  | 2         | 0            | 0             |
| SW-2      | Copper                     | 2     | 0.06    | 0.0088 | 0.109  | 0.07  | 2         | 0            | 0             |
| SW-2      | Lead                       | 2     | 0.03    | 0      | 0.062  | 0.04  | 1         | 1            | 0             |
| SW-2      | Mercury                    | 2     | 0.00    | 0      | 0.0001 | 0.00  | 1         | 1            | 0             |
| SW-2      | N-Nitrate                  | 2     | 0.45    | 0.014  | 0.89   | 0.62  | 2         | 0            | 0             |
| SW-2      | Silver                     | 2     | 0.00    | 0      | 0.0002 | 0.00  | 1         | 1            | 0             |
| SW-2      | total cyanide              | 2     | 0.00    | 0      | 0      | 0.00  | 0         | 2            | 0             |
| SW-2      | Total Organic Carbon       | 2     | 7.60    | 7      | 8.2    | 0.85  | 2         | 0            | 0             |
| SW-2      | Zinc                       | 2     | 0.16    | 0.0052 | 0.316  | 0.22  | 2         | 0            | 0             |
| SW-3      | Ammonia                    | 3     | 0.01    | 0.01   | 0.019  | 0.00  | 3         | 0            | 0             |
| SW-3      | Arsenic                    | 3     | 0.00    | 0.0011 | 0.004  | 0.00  | 3         | 0            | 0             |
| SW-3      | Barium                     | 3     | 0.18    | 0.154  | 0.191  | 0.02  | 3         | 0            | 0             |

| StationID | Analyte                    | Count | Average | Min  | Max    | StDev | # Detects | # NonDetects | # Exceedances |
|-----------|----------------------------|-------|---------|------|--------|-------|-----------|--------------|---------------|
| SW-3      | bis(2-Ethylhexyl)Phthalate | 2     | 0.00    | 0    | 0      | 0.00  | 0         | 2            | 0             |
| SW-3      | Chloride                   | 3     | 21.00   | 15   | 25     | 5.29  | 3         | 0            | 0             |
| SW-3      | Copper                     | 2     | 0.00    | 0    | 0      | 0.00  | 0         | 2            | 0             |
| SW-3      | Lead                       | 2     | 0.00    | 0    | 0.001  | 0.00  | 1         | 1            | 0             |
| SW-3      | Mercury                    | 2     | 0.00    | 0    | 0      | 0.00  | 0         | 2            | 0             |
| SW-3      | N-Nitrate                  | 3     | 0.79    | 0.37 | 1.6    | 0.70  | 3         | 0            | 0             |
| SW-3      | Silver                     | 2     | 0.00    | 0    | 0      | 0.00  | 0         | 2            | 0             |
| SW-3      | total cyanide              | 2     | 0.00    | 0    | 0      | 0.00  | 0         | 2            | 0             |
| SW-3      | Total Organic Carbon       | 3     | 7.83    | 6.7  | 9.4    | 1.40  | 3         | 0            | 0             |
| SW-3      | Zinc                       | 3     | 0.00    | 0    | 0.0052 | 0.00  | 2         | 1            | 0             |

## **APPENDIX C - DATA VALIDATION**

Analytical data for the September 2022 sample round was reviewed using quality control (QC) criteria documented in the analytical method, *National Functional Guidelines for Organic Data Review and Inorganic Data Review (1994)*, and the *Work Plan for Interim Action Compliance Monitoring Mica Landfill Spokane County, Washington (October 1994)* as amended by the County and Ecology in February 2001.

#### Data Qualifier Summary for September 2022 Sampling Results

| StationID | SampleDate | Analyte   | AnalyteCat | Units | SampleID         | AnalyticalRptLimit | Result | Qualifier |
|-----------|------------|-----------|------------|-------|------------------|--------------------|--------|-----------|
| DW-001    | 9/13/2022  | N-Nitrate | C          | mg/L  | GWDW-001-220913  | 0.05               | 0.231  | J         |
| DW-002    | 9/13/2022  | N-Nitrate | C          | mg/L  | GWDW-002-220913  | 0.05               | 1.06   | J         |
| DW-003    | 9/13/2022  | N-Nitrate | C          | mg/L  | GWDW-003-220913  | 0.05               | 1.77   | J         |
| MS-004    | 9/13/2022  | N-Nitrate | C          | mg/L  | GWMS-004-220913  | 0.5                | 10.4   | J         |
| MS-005    | 9/13/2022  | N-Nitrate | C          | mg/L  | GWMS-005-220913  | 0.05               | 1.39   | J         |
| MW-013    | 9/13/2022  | N-Nitrate | C          | mg/L  | GWMW-013-220913  | 0.05               | 0.538  | J         |
| MW-014    | 9/13/2022  | N-Nitrate | C          | mg/L  | GWMW-014-220913  | 0.05               | 0.05   | UJ        |
| MW-020    | 9/13/2022  | N-Nitrate | C          | mg/L  | GWMW-020-220913  | 0.05               | 2.08   | J         |
| MW-009    | 9/14/2022  | N-Nitrate | C          | mg/L  | GWMW-009-220914  | 0.05               | 0.071  | J         |
| MW-010    | 9/14/2022  | N-Nitrate | C          | mg/L  | GWMW-010-220914  | 0.05               | 0.248  | J         |
| MW-009    | 9/14/2022  | N-Nitrate | C          | mg/L  | MWS-1-1-220914   | 0.05               | 0.05   | UJ        |
| MW-016    | 9/14/2022  | N-Nitrate | C          | mg/L  | GWMW-016-220914  | 0.05               | 0.152  | J         |
| MW-019R   | 9/14/2022  | N-Nitrate | C          | mg/L  | GWMW-019R-220914 | 0.05               | 1.29   | J         |
| MW-023    | 9/14/2022  | N-Nitrate | C          | mg/L  | GWMW-023-220914  | 0.05               | 0.05   | UJ        |
| MW-029    | 9/14/2022  | N-Nitrate | C          | mg/L  | GWMW-029-220914  | 0.05               | 0.516  | J         |
| MW-023    | 9/14/2022  | N-Nitrate | C          | mg/L  | MWS-1-2-220914   | 0.05               | 0.05   | UJ        |

All Mica Landfill monitoring well nitrate laboratory results were qualified during the September 2022 sampling event due to the samples being delivered late. County personnel sent out the nitrate samples via overnight shipping on 9/14/2022, but the laboratory did not receive the samples until 9/16/2022. SVL laboratory was unable to conduct the laboratory analyses until after the holding time for nitrate.

## **APPENDIX D - LANDFILL GAS PROBE MEASUREMENTS**

## Mica Landfill Gas Measurements

Tech: GF

Date: 1/13/2022

Temp: 33 to 35 deg F

Weather: mstly cldy

Baro. Pres: 29.99 @ 738

Qualifier: Falling

## Gas Extraction Monitoring Data

Filename: MP220113.XLXS

Inst. Used: Landtec Gem 500 # 547

Time Gem Calib: 745

Time Gem Checked:

Baro. Pres: 29.98 @ 1125

| Code     | Time  | Date      | CH4 | CO2  | O2   | Bal  | Static Pres | Different Temp | Refere | Adjus | Valve Pos | Comments |
|----------|-------|-----------|-----|------|------|------|-------------|----------------|--------|-------|-----------|----------|
| MGP00012 | 7:55  | 1/13/2022 | 0   | 1.3  | 19.4 | 79.3 | 0           | 0.82           | >>>    | >>>   | >>>       | >>>      |
| MGP0002R | 8:11  | 1/13/2022 | 0   | 19.4 | 6.9  | 73.7 | 0           | 0.01           | >>>    | >>>   | >>>       | >>>      |
| MGP00007 | 8:20  | 1/13/2022 | 0   | 4    | 17.2 | 78.8 | 0           | 0.07           | >>>    | >>>   | >>>       | >>>      |
| MGP00008 | 8:26  | 1/13/2022 | 0   | 2.9  | 17.9 | 79.2 | 0           | 0.03           | >>>    | >>>   | >>>       | >>>      |
| MGP00009 | 8:34  | 1/13/2022 | 0   | 3.4  | 17.6 | 79   | 0           | 0.1            | >>>    | >>>   | >>>       | >>>      |
| MGP00001 | 8:43  | 1/13/2022 |     |      |      |      |             |                | >>>    | >>>   | >>>       | >>>      |
| MGP00006 | 9:42  | 1/13/2022 |     |      |      |      |             |                | >>>    | >>>   | >>>       | >>>      |
| MGP00003 | 9:50  | 1/13/2022 |     |      |      |      |             |                | >>>    | >>>   | >>>       | >>>      |
| MGP00011 | 10:39 | 1/13/2022 | 0   | 2.1  | 18.5 | 79.4 | 0           | 0              | >>>    | >>>   | >>>       | >>>      |
| MGP00005 | 10:44 | 1/13/2022 | 0   | 2.2  | 18.9 | 78.9 | 0           | 0              | >>>    | >>>   | >>>       | >>>      |
| MGP00010 | 11:02 | 1/13/2022 | 0   | 4.5  | 16.8 | 78.7 | 0           | -0.01          | >>>    | >>>   | >>>       | >>>      |

gw in screen, no sample  
gw in screen, no sample  
gw in screen, no sample

## Mica Landfill Gas Measurements

Tech: GF

Date: 2/1/2022

Temp: 29-32 deg F

Weather: cldy

Baro. Pres: 30.05 @ 845

Qualifier: Falling

## Gas Extraction Monitoring Data

Filename: MP220201.XLXS

Inst. Used: Landtec Gem 500 # 547

Time Gem Calib: 940

Baro. Pres: 30.02 @ 1230

| Code     | Time  | Date     | CH4 | CO2  | O2   | Bal  | Static Pres | Different | Temp | Refer | Adjus | Valve Pos | Comments                |
|----------|-------|----------|-----|------|------|------|-------------|-----------|------|-------|-------|-----------|-------------------------|
| MGP00012 | 9:45  | 2/1/2022 | 0   | 0.2  | 21   | 78.8 | 0           | -0.18     | >>>  | >>>   | >>>   | >>>       |                         |
| MGP0002R | 9:50  | 2/1/2022 | 0   | 18.6 | 7.2  | 74.2 | 0           | 0         | >>>  | >>>   | >>>   | >>>       |                         |
| MGP00007 | 9:57  | 2/1/2022 | 0   | 3.9  | 17.7 | 78.4 | 0           | 0         | >>>  | >>>   | >>>   | >>>       |                         |
| MGP00008 | 10:04 | 2/1/2022 | 0   | 1.5  | 19.5 | 79   | 0           | -0.02     | >>>  | >>>   | >>>   | >>>       |                         |
| MGP00009 | 10:13 | 2/1/2022 | 0   | 3.4  | 17.8 | 78.8 | 0           | -0.05     | >>>  | >>>   | >>>   | >>>       |                         |
| MGP00001 | 10:21 | 2/1/2022 |     |      |      |      |             |           | >>>  | >>>   | >>>   | >>>       | gw in screen, no sample |
| MGP00006 | 11:20 | 2/1/2022 |     |      |      |      |             |           | >>>  | >>>   | >>>   | >>>       | gw in screen, no sample |
| MGP00011 | 11:28 | 2/1/2022 | 0   | 1.8  | 19.2 | 79   | 0           | -0.01     | 0    | >>>   | >>>   | >>>       |                         |
| MGP00005 | 11:33 | 2/1/2022 | 0   | 2.3  | 19.1 | 78.6 | 0           | 0         | 0    | >>>   | >>>   | >>>       |                         |
| MGP00010 | 11:39 | 2/1/2022 | 0   | 5    | 16.4 | 78.6 | 0           | 0         | 0    | >>>   | >>>   | >>>       |                         |
| MGP00003 | 11:49 | 2/1/2022 | 0   | 5.7  | 2.5  | 91.8 | 0           | 0         | 0    | >>>   | >>>   | >>>       |                         |

## Mica Landfill Gas Measurements

Tech: GF

Date: 3/2/2022

Temp: 44-46 deg F

Weather: cldy, lt rains

Baro. Pres: 29.97 @ 900

Qualifier: Falling

## Gas Extraction Monitoring Data

Filename: MP220302.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 845

Baro. Pres: 29.96 @ 1013

| Code     | Time | Date     | CH4 | CO2  | O2   | Bal  | Static Pres | Different Temp | Refere | Adjus | Valve Pos | Comments |                                  |
|----------|------|----------|-----|------|------|------|-------------|----------------|--------|-------|-----------|----------|----------------------------------|
| MGP00012 | 8:58 | 3/2/2022 | 0   | 1.5  | 19.5 | 79   | 0           | 0.18           | >>>    | >>>   | >>>       | >>>      |                                  |
| MGP0002R | 9:16 | 3/2/2022 | 0   | 18.6 | 7.2  | 74.2 | 0           | 0              | >>>    | >>>   | >>>       | >>>      |                                  |
| MGP00009 | 9:31 | 3/2/2022 | 0   | 3.5  | 17.3 | 79.2 | 0           | 0.15           | >>>    | >>>   | >>>       | >>>      |                                  |
| MGP00001 | 9:37 | 3/2/2022 |     |      |      |      |             |                | >>>    | >>>   | >>>       | >>>      | groundwater in screen, no sample |
| MGP00006 | 9:43 | 3/2/2022 |     |      |      |      |             |                | >>>    | >>>   | >>>       | >>>      | groundwater in screen, no sample |
| MGP00003 | 9:53 | 3/2/2022 |     |      |      |      |             |                | >>>    | >>>   | >>>       | >>>      | groundwater in screen, no sample |

It is too muddy to sample GP7, 8, 11, 5 and 10. I would have gotten stuck if I tried. I will sample these later when the ground dries some. GP 1, 6 and 3 all had groundwater filling the screens so sampling impossible. This is a typical scenario and I run into this during the wet season every year. Besides, if groundwater is elevated, on these rather shallow probes, any possible landfill gas would be blocked from moving through as well.

## Mica Landfill Gas Measurements

Tech: GF  
 Date: 4/27/2022  
 Temp: 40-47 deg F  
 Weather: cldy  
 Baro. Pres: 29.92 @ 800  
 Qualifier: steady baro

Filename: MP220427.XLXS

Inst. Used: Landtec Gem 500 # 547  
 Time Gem Calib: 915

Baro. Pres: 29.92 @ 1155

## Gas Extraction Monitoring Data

| Code     | Time  | Date      | CH4 | CO2  | O2   | Bal  | Static Pres | Different Temp | Refere | Adjus | Valve Pos | Comments |
|----------|-------|-----------|-----|------|------|------|-------------|----------------|--------|-------|-----------|----------|
| MGP00012 | 9:22  | 4/27/2022 | 0   | 1.4  | 19.4 | 79.2 | 0           | -0.11          | >>>    | >>>   | >>>       | >>>      |
| MGP0002R | 9:33  | 4/27/2022 | 0   | 15.5 | 11.4 | 73.1 | 0           | 0              | >>>    | >>>   | >>>       | >>>      |
| MGP00007 | 9:42  | 4/27/2022 | 0   | 3.6  | 17.5 | 78.9 | 0           | 0              | >>>    | >>>   | >>>       | >>>      |
| MGP00008 | 9:48  | 4/27/2022 | 0   | 3.3  | 17.6 | 79.1 | 0           | -0.01          | >>>    | >>>   | >>>       | >>>      |
| MGP00009 | 10:42 | 4/27/2022 | 0   | 3.4  | 16.9 | 79.7 | 0           | -0.08          | >>>    | >>>   | >>>       | >>>      |
| MGP00001 | 10:53 | 4/27/2022 |     |      |      |      |             |                | >>>    | >>>   | >>>       | >>>      |
| MGP00006 | 11:01 | 4/27/2022 |     |      |      |      |             |                | >>>    | >>>   | >>>       | >>>      |
| MGP00011 | 11:09 | 4/27/2022 | 0   | 2.6  | 18   | 79.4 | 0           | 0              | >>>    | >>>   | >>>       | >>>      |
| MGP00005 | 11:15 | 4/27/2022 |     |      |      |      |             |                | >>>    | >>>   | >>>       | >>>      |
| MGP00010 | 11:21 | 4/27/2022 | 0   | 6.1  | 14.2 | 79.7 | 0           | 0              | >>>    | >>>   | >>>       | >>>      |
| MGP00003 | 11:31 | 4/27/2022 | 0   | 5.9  | 4.7  | 89.4 | 0           | 0              | >>>    | >>>   | >>>       | >>>      |

gw in screens, no sample  
 gw in screens, no sample  
 gw in screens, no sample

## Mica Landfill Gas Measurements

Tech: GF

Date: 5/19/2022

Temp: 40-44 deg F

Weather: cldy, lt rains

Baro. Pres: 29.87 @ 745

Qualifier: Steady

## Gas Extraction Monitoring Data

Filename: MP220519.XLXS

Inst. Used: Landtec Gem 500 # 547

Time Gem Calib: 810

Baro. Pres: 29.87 @ 1030

| Code     | Time  | Date      | CH4 | CO2  | O2   | Bal  | Static Pres | Different Temp | Refere | Adjus | Valve Pos | Comments |
|----------|-------|-----------|-----|------|------|------|-------------|----------------|--------|-------|-----------|----------|
| MGP00012 | 8:19  | 5/19/2022 | 0   | 1.2  | 19.5 | 79.3 | 0           | -0.07          | >>>    | >>>   | >>>       | >>>      |
| MGP0002R | 8:24  | 5/19/2022 | 0   | 15.8 | 12   | 72.2 | 0           | 0              | >>>    | >>>   | >>>       | >>>      |
| MGP00007 | 8:30  | 5/19/2022 | 0   | 3.6  | 17.3 | 79.1 | 0           | 0              | >>>    | >>>   | >>>       | >>>      |
| MGP00008 | 8:40  | 5/19/2022 | 0   | 3.3  | 17.5 | 79.2 | 0           | -0.13          | >>>    | >>>   | >>>       | >>>      |
| MGP00009 | 8:51  | 5/19/2022 | 0   | 3.5  | 16.8 | 79.7 | 0           | -0.21          | >>>    | >>>   | >>>       | >>>      |
| MGP00001 | 9:22  | 5/19/2022 |     |      |      |      |             |                | >>>    | >>>   | >>>       | >>>      |
| MGP00006 | 9:32  | 5/19/2022 |     |      |      |      |             |                | >>>    | >>>   | >>>       | >>>      |
| MGP00011 | 9:56  | 5/19/2022 | 0   | 2.7  | 18   | 79.3 | 0           | -0.05          | >>>    | >>>   | >>>       | >>>      |
| MGP00005 | 10:02 | 5/19/2022 |     |      |      |      |             |                | >>>    | >>>   | >>>       | >>>      |
| MGP00010 | 10:08 | 5/19/2022 | 0   | 6.9  | 13.1 | 80   | 0           | -0.01          | >>>    | >>>   | >>>       | >>>      |
| MGP00003 | 10:21 | 5/19/2022 | 0   | 7.3  | 0.8  | 91.9 | 0           | 0              | >>>    | >>>   | >>>       | >>>      |

gw in screens, no sample

gw in screens, no sample

gw in screens, no sample

## Mica Landfill Gas Measurements

Tech: GF

Date: 6/15/2022

Temp: 55-65 deg F

Weather: mstly clear

Baro. Pres: 29.95 @ 845

Qualifier: Falling

## Gas Extraction Monitoring Data

Filename: MP220615.XLXS

Inst. Used: Landtec Gem 500 # 547

Time Gem Calib: 850

Baro. Pres: 29.91 @ 1445

| Code     | Time  | Date      | CH4 | CO2  | O2   | Bal  | Static Pre | Different Temp | Refere | Adjus Valve | Pos | Comments |                              |
|----------|-------|-----------|-----|------|------|------|------------|----------------|--------|-------------|-----|----------|------------------------------|
| MGP00012 | 9:03  | 6/15/2022 | 0   | 0.4  | 20.3 | 79.3 | 0          | -0.25          | >>>    | >>>         | >>> | >>>      |                              |
| MGP0002R | 9:31  | 6/15/2022 | 0   | 10.7 | 15.3 | 74   | 0          | 0              | >>>    | >>>         | >>> | >>>      |                              |
| MGP00007 | 9:40  | 6/15/2022 | 0   | 3.5  | 16.9 | 79.6 | 0          | -0.02          | >>>    | >>>         | >>> | >>>      |                              |
| MGP00008 | 9:45  | 6/15/2022 | 0   | 3.3  | 17.1 | 79.6 | 0          | -0.12          | >>>    | >>>         | >>> | >>>      |                              |
| MGP00009 | 9:53  | 6/15/2022 | 0   | 3.6  | 16.4 | 80   | 0          | -0.6           | >>>    | >>>         | >>> | >>>      |                              |
| MGP00001 | 10:20 | 6/15/2022 |     |      |      |      |            |                | >>>    | >>>         | >>> | >>>      | gw in screen, no sample      |
| MGP00006 | 10:31 | 6/15/2022 |     |      |      |      |            |                | >>>    | >>>         | >>> | >>>      | gw in screen, no sample      |
| MGP00011 | 11:02 | 6/15/2022 | 0   | 2.5  | 17.8 | 79.7 | 0          | -0.04          | >>>    | >>>         | >>> | >>>      |                              |
| MGP00005 | 11:11 | 6/15/2022 |     |      |      |      |            |                | >>>    | >>>         | >>> | >>>      | gw in screen, no sample      |
| MGP00010 | 11:23 | 6/15/2022 |     |      |      |      |            |                | >>>    | >>>         | >>> | >>>      | rd too muddy to access probe |
| MGP00003 | 11:45 | 6/15/2022 |     |      |      |      |            |                | >>>    | >>>         | >>> | >>>      | gw in screen, no sample      |

## Mica Landfill Gas Measurements

Tech: GF  
 Date: 7/12/2022  
 Temp: 76-82 deg F  
 Weather: ptly cldy  
 Baro. Pres: 29.73 @  
 Qualifier: Steady  
 Gas Extraction Monitoring Data

Filename: MP220713.XLXS

Inst. Used: Landtec Gem 500 # 547

Time Gem Calib: 945

Baro. Pres: 29.73 @ 1200

| Code     | Time  | Date      | CH4 | CO2  | O2   | Bal  | Static Pres | Different Temp | Refere | Adjus | Valve Pos | Comments |                         |
|----------|-------|-----------|-----|------|------|------|-------------|----------------|--------|-------|-----------|----------|-------------------------|
| MGP00012 | 9:59  | 7/13/2022 | 0   | 1.2  | 19.1 | 79.7 | 0           | -0.17          | >>>    | >>>   | >>>       | >>>      |                         |
| MGP0002R | 10:12 | 7/13/2022 | 0   | 11.3 | 15   | 73.7 | 0           | 0              | >>>    | >>>   | >>>       | >>>      |                         |
| MGP00007 | 10:19 | 7/13/2022 | 0   | 3.4  | 16.6 | 80   | 0           | -0.04          | >>>    | >>>   | >>>       | >>>      |                         |
| MGP00008 | 10:26 | 7/13/2022 | 0   | 3.2  | 16.7 | 80.1 | 0           | -0.17          | >>>    | >>>   | >>>       | >>>      |                         |
| MGP00009 | 10:49 | 7/13/2022 | 0   | 3.8  | 15.8 | 80.4 | 0           | -0.18          | >>>    | >>>   | >>>       | >>>      |                         |
| MGP00001 | 10:59 | 7/13/2022 |     |      |      |      |             |                | >>>    | >>>   | >>>       | >>>      | gw in screen, no sample |
| MGP00006 | 11:06 | 7/13/2022 | 0   | 6    | 15.4 | 78.6 | 0           | 0              | >>>    | >>>   | >>>       | >>>      |                         |
| MGP00011 | 11:19 | 7/13/2022 | 0   | 2.1  | 18   | 79.9 | 0           | -0.09          | >>>    | >>>   | >>>       | >>>      |                         |
| MGP00005 | 11:24 | 7/13/2022 |     |      |      |      |             |                | >>>    | >>>   | >>>       | >>>      | gw in screen, no sample |
| MGP00010 | 11:30 | 7/13/2022 | 0   | 9.2  | 7.6  | 83.2 | 0           | 0              | >>>    | >>>   | >>>       | >>>      |                         |
| MGP00003 | 11:42 | 7/13/2022 | 0   | 9.7  | 0.5  | 89.8 | 0           | 0              | >>>    | >>>   | >>>       | >>>      |                         |

## Mica Landfill Gas Measurements

Tech: GF

Date: 8/9/2022

Temp: 73-87 deg F

Weather: mstly cldy

Baro. Pres: 29.89 @ 800

Qualifier: Falling

## Gas Extraction Monitoring Data

Filename: MP220809.XLXS

Inst. Used: Landtec Gem 500 # 547

Time Gem Calib: 805

Baro. Pres: 29.88 @ 1145

| Code     | Time  | Date     | CH4 | CO2  | O2   | Bal  | Static Pres | Different Temp | Referen | Adjus | Valve Pos | Comments |
|----------|-------|----------|-----|------|------|------|-------------|----------------|---------|-------|-----------|----------|
| MGP00012 | 8:10  | 8/9/2022 | 0   | 1.2  | 19.2 | 79.6 | 0           | -0.05          | >>>     | >>>   | >>>       | >>>      |
| MGP0002R | 8:38  | 8/9/2022 | 0   | 14.4 | 14.4 | 71.2 | 0           | 0              | >>>     | >>>   | >>>       | >>>      |
| MGP00007 | 9:45  | 8/9/2022 | 0   | 3.3  | 16.4 | 80.3 | 0           | 0              | >>>     | >>>   | >>>       | >>>      |
| MGP00008 | 9:52  | 8/9/2022 | 0   | 3.3  | 16.6 | 80.1 | 0           | -0.04          | >>>     | >>>   | >>>       | >>>      |
| MGP00009 | 10:43 | 8/9/2022 | 0   | 4.2  | 15.6 | 80.2 | 0           | -0.04          | >>>     | >>>   | >>>       | >>>      |
| MGP00001 | 10:52 | 8/9/2022 | 0   | 4.4  | 0.2  | 95.4 | 0           | 0              | >>>     | >>>   | >>>       | >>>      |
| MGP00006 | 11:00 | 8/9/2022 | 0   | 1.4  | 19.3 | 79.3 | 0           | 0              | >>>     | >>>   | >>>       | >>>      |
| MGP00011 | 11:08 | 8/9/2022 | 0   | 2.3  | 18.1 | 79.6 | 0           | 0              | >>>     | >>>   | >>>       | >>>      |
| MGP00005 | 11:14 | 8/9/2022 | 0   | 4.8  | 15.9 | 79.3 | 0           | 0              | >>>     | >>>   | >>>       | >>>      |
| MGP00010 | 11:20 | 8/9/2022 | 0   | 7.5  | 13.7 | 78.8 | 0           | 0              | >>>     | >>>   | >>>       | >>>      |
| MGP00003 | 11:30 | 8/9/2022 | 0   | 12.9 | 1.2  | 85.9 | 0           | 0              | >>>     | >>>   | >>>       | >>>      |

## Mica Landfill Gas Measurements

Tech: GF

Date: 9/8/2022

Temp: 58-72 deg F

Weather: cloudless yet smokey

Baro. Pres: 29.95 @ 815

Qualifier: Steady

Gas Extraction Monitoring Data

Filename: MP220908.XLXS

Inst. Used: Landtec Gem 500 # 547

Time Gem Calib: 815

Baro. Pres: 29.95 @ 1201

| Code     | Time  | Date     | CH4 | CO2  | O2   | Bal  | Static Pres | Different Temp | Referen | Adjus | Valve Pos | Comments |
|----------|-------|----------|-----|------|------|------|-------------|----------------|---------|-------|-----------|----------|
| MGP00012 | 8:20  | 9/8/2022 | 0   | 1    | 19.7 | 79.3 | 0           | -0.87          | >>>     | >>>   | >>>       | >>>      |
| MGP0002R | 8:29  | 9/8/2022 | 0   | 16.9 | 14.3 | 68.8 | 0           | 0              | >>>     | >>>   | >>>       | >>>      |
| MGP00007 | 9:55  | 9/8/2022 | 0   | 3.4  | 16.6 | 80   | 0           | -0.01          | >>>     | >>>   | >>>       | >>>      |
| MGP00008 | 10:02 | 9/8/2022 | 0   | 3.8  | 16.7 | 79.5 | 0           | -0.17          | >>>     | >>>   | >>>       | >>>      |
| MGP00009 | 10:10 | 9/8/2022 | 0   | 4.6  | 16.8 | 78.6 | 0           | -0.07          | >>>     | >>>   | >>>       | >>>      |
| MGP00001 | 10:23 | 9/8/2022 | 0.1 | 6.4  | 0.2  | 93.3 | 0           | 0              | >>>     | >>>   | >>>       | >>>      |
| MGP00006 | 10:31 | 9/8/2022 | 0   | 3.2  | 18.2 | 78.6 | 0           | 0              | >>>     | >>>   | >>>       | >>>      |
| MGP00011 | 11:16 | 9/8/2022 | 0   | 2.2  | 19.2 | 78.6 | 0           | 0              | >>>     | >>>   | >>>       | >>>      |
| MGP00005 | 11:23 | 9/8/2022 | 0   | 3.4  | 17.7 | 78.9 | 0           | 0              | >>>     | >>>   | >>>       | >>>      |
| MGP00010 | 11:34 | 9/8/2022 | 0   | 6.1  | 15.7 | 78.2 | 0           | -0.01          | >>>     | >>>   | >>>       | >>>      |
| MGP00003 | 11:46 | 9/8/2022 | 0   | 14   | 3.8  | 82.2 | 0           | -0.01          | >>>     | >>>   | >>>       | >>>      |

## Mica Landfill Gas Measurements

Tech: GF / CC

Date: 10/24/2022

Temp: 41F

Weather: Rainy

Baro. Pres: 29.8 @ 8:15

Qualifier: Falling

Gas Extraction Monitoring Data

Filename: MGP221024.xlsx

Inst. Used: Landtec Gem 500 # 547

Time Gem Calib: 8:15

Baro. Pres: 29.75 @ 13:45

| Code     | Time  | Date       | CH4 | CO2  | O2   | Bal  | Static Pres | Different Temp | Refere | Adjus | Valve Pos | Comments |
|----------|-------|------------|-----|------|------|------|-------------|----------------|--------|-------|-----------|----------|
| MGP00012 | 10:17 | 10/24/2022 | 0.1 | 0    | 20.8 | 79.1 | 0           | 0.77           | >>>    | >>>   | >>>       | >>>      |
| MGP0002R | 10:30 | 10/24/2022 | 0.1 | 0    | 20.8 | 79.1 | 1.4         | 0              | >>>    | >>>   | >>>       | >>>      |
| MGP00007 | 10:44 | 10/24/2022 | 0   | 4    | 15.8 | 80.2 | 0           | -2.38          | >>>    | >>>   | >>>       | >>>      |
| MGP00008 | 10:55 | 10/24/2022 | 0   | 4.1  | 16.5 | 79.4 | 0           | -0.34          | >>>    | >>>   | >>>       | >>>      |
| MGP00009 | 11:16 | 10/24/2022 | 0   | 4.3  | 16.9 | 78.8 | 0           | -0.49          | >>>    | >>>   | >>>       | >>>      |
| MGP00001 | 11:27 | 10/24/2022 | 0.1 | 5.8  | 0    | 94.1 | 0           | 0              | >>>    | >>>   | >>>       | >>>      |
| MGP00006 | 11:40 | 10/24/2022 | 0   | 1.1  | 19.5 | 79.4 | -0.1        | 0              | >>>    | >>>   | >>>       | >>>      |
| MGP00003 | 11:49 | 10/24/2022 | 0   | 11.5 | 9.7  | 78.8 | 0           | 0.02           | >>>    | >>>   | >>>       | >>>      |
| MGP00011 | 12:55 | 10/24/2022 | 0   | 0.3  | 20.1 | 79.6 | 0           | 0.26           | >>>    | >>>   | >>>       | >>>      |
| MGP00005 | 13:05 | 10/24/2022 | 0   | 2.3  | 18.6 | 79.1 | 0           | 0.04           | >>>    | >>>   | >>>       | >>>      |
| MGP00010 | 13:13 | 10/24/2022 | 0   | 5.8  | 16.1 | 78.1 | 0           | 0              | >>>    | >>>   | >>>       | >>>      |

## Mica Landfill Gas Measurements

Tech: CC

Date: 11/7/2022

Temp: 31

Weather: Snow

Baro. Pres: 29.52 @

Qualifier: stable

## Gas Extraction Monitoring Data

Filename: GP221107.xlsx

Inst. Used: Landtec Gem 500 # 547

Time Gem Calib: 12:00

Time Gem Checked: 13:25

Baro. Pres: 29.59 @ 1530

| Code     | Time  | Date      | CH4 | CO2 | O2   | Bal  | Static Pres | Different Temp | Referer | Adjus | Valve Pos | Comments                |
|----------|-------|-----------|-----|-----|------|------|-------------|----------------|---------|-------|-----------|-------------------------|
| MGP00012 | 13:28 | 11/7/2022 | 0   | 0.8 | 20.5 | 78.7 | 0           | -2.93          | >>>     | >>>   | >>>       | >>>                     |
| MGP0002R | 13:37 | 11/7/2022 | 0   | 1.1 | 20.7 | 78.2 | -0.1        | 0.05           | >>>     | >>>   | >>>       | >>>                     |
| MGP00009 | 14:04 | 11/7/2022 | 0   | 2.7 | 19.1 | 78.2 | 0           | 0.22           | >>>     | >>>   | >>>       | >>>                     |
| MGP00001 | 14:10 | 11/7/2022 |     |     |      |      |             |                | >>>     | >>>   | >>>       | GW In Screen, No Sample |
| MGP00006 | 14:33 | 11/7/2022 | 0   | 0.7 | 20.7 | 78.6 | 0           | 0              | >>>     | >>>   | >>>       | >>>                     |
| MGP00003 | 14:47 | 11/7/2022 | 0   | 9.5 | 9.1  | 81.4 | 0           | 0              | >>>     | >>>   | >>>       | >>>                     |
| MGP00008 | 15:33 | 11/7/2022 | 0   | 0   | 21.1 | 78.9 | 0           | -0.55          | >>>     | >>>   | >>>       | >>>                     |
| MGP00007 | 15:47 | 11/7/2022 | 0   | 3.8 | 16.6 | 79.6 | 0           | -0.14          | >>>     | >>>   | >>>       | >>>                     |
| MGP00010 | 16:06 | 11/7/2022 | 0   | 5.2 | 16.5 | 78.3 | 0           | 0              | >>>     | >>>   | >>>       | >>>                     |
| MGP00005 | 16:16 | 11/7/2022 | 0   | 2.1 | 19   | 78.9 | 0           | 0              | >>>     | >>>   | >>>       | >>>                     |
| MGP00011 | 16:27 | 11/7/2022 | 0   | 0.6 | 20.4 | 79   | 0           | -0.75          | >>>     | >>>   | >>>       | >>>                     |

## Mica Landfill Gas Measurements

Tech: CC

Date: 12/02 - 12/05

Temp: 25-31 F

Weather: Cldy, Snow

Baro. Pres: 29.93 @ 900

12/5/2022 29.85 @ 800

Qualifier: Steady

Gas Extraction Monitoring Data

Filename: MP221202.xlsx

Inst. Used: Landtec Gem 500 # 547

Time Gem Calib: 845 930

Time Gem Checked: 900 1000

Baro. Pres: 29.92 @ 1430

12/5/2022 29.8 @ 1530

| Code     | Time  | Date      | CH4 | CO2 | O2   | Bal  | Static Pres | Different | Temp | Refere | Adjus | Valve Pos: | Comments                              |
|----------|-------|-----------|-----|-----|------|------|-------------|-----------|------|--------|-------|------------|---------------------------------------|
| MGP00012 | 10:23 | 12/2/2022 | 0   | 0   | 20.8 | 79.2 | 0           | -2.3      | >>>  | >>>    | >>>   | >>>        |                                       |
| MGP0002R | 10:34 | 12/2/2022 | 0   | 2.7 | 19.4 | 77.9 | 0           | 0.04      | >>>  | >>>    | >>>   | >>>        |                                       |
| MGP00009 | 10:51 | 12/2/2022 | 0   | 2.1 | 19.3 | 78.6 | 0           | -0.21     | >>>  | >>>    | >>>   | >>>        |                                       |
| MGP00007 | 11:27 | 12/5/2022 | 0   | 1.5 | 18.9 | 79.6 | 0           | -0.05     | >>>  | >>>    | >>>   | >>>        |                                       |
| MGP00008 | 11:45 | 12/5/2022 | 0   | 0.2 | 20.5 | 79.3 | 0           | 0.01      | >>>  | >>>    | >>>   | >>>        |                                       |
| MGP00006 | 12:19 | 12/5/2022 | 0   | 0.7 | 19.6 | 79.7 | 0           | -0.04     | >>>  | >>>    | >>>   | >>>        |                                       |
| MGP00003 | 12:39 | 12/5/2022 | 0   | 7.6 | 9.1  | 83.3 | 0           | -0.02     | >>>  | >>>    | >>>   | >>>        |                                       |
| MGP00005 | 13:54 | 12/5/2022 | 0   | 1.8 | 18.4 | 79.8 | 0           | 0         | >>>  | >>>    | >>>   | >>>        |                                       |
| MGP00011 | 14:11 | 12/5/2022 | 0   | 0.6 | 19.6 | 79.8 | 0.3         | -0.48     | >>>  | >>>    | >>>   | >>>        |                                       |
| MGP00001 | N/A   | N/A       | N/A | N/A | N/A  | N/A  | N/A         | N/A       | N/A  | N/A    | N/A   | N/A        | No Sample, Water in Screen            |
| MGP00010 | N/A   | N/A       | N/A | N/A | N/A  | N/A  | N/A         | N/A       | N/A  | N/A    | N/A   | N/A        | No Sample, Ice in Well, Monument open |