

11783 Highway 337 S.  
PO Box 100, Tijeras, NM 87123

505.286.6081  
skretz@gcc.com



July 28<sup>th</sup>, 2025

State of Colorado  
Division of Reclamation, Mining & Safety  
1313 Sherman St., Room 215  
Denver, CO 80203

Attn: Clayton Wein, Environmental Protection Specialist

Re: GCC Energy, LLC, King II Mine  
CDRMS Permit # C-1981-035  
Water Monitoring Analysis; King I & King II  
2<sup>nd</sup> Quarter 2025

Mr. Wein:

Please find enclosed a copy of quarterly water analysis reports for the 2<sup>nd</sup> quarter of 2025 for the following water monitoring locations:

Wiltse Well  
#1 Up-gradient Monitoring Well & Blind Duplicate MW-98  
#2 Down-gradient Monitoring Well  
Hay Gulch Irrigation Ditch, Down-gradient & Resample  
Hay Gulch Irrigation Ditch, Up-gradient  
MW-1-A  
MW-3-MI, MW-3-A, MW-3-C  
MW-4-MI & Blind Duplicate MW-99, MW-4-A, MW-4-C  
MW-5-MI  
MW-HGA-4  
MW-6-LM  
MW-7-EAA  
MW-8-EAA, MW-8-MI, MW-8-LM, MW-8-PL  
Seep 1  
Seep 3

Also enclosed are summary sheets for the above water monitoring locations which include field collection data.

Please contact me at 505.286.6081 or skretz@gcc.com if you have any questions or require any additional information.

Sincerely,

A handwritten signature in black ink that reads 'Samantha Kretz' in a cursive script.

Samantha Kretz  
Environmental Manager, South Region  
Energy, LLC

GCC Energy Hydrologic Monitoring Data

| Hay Gulch Ditch Upgradient    |         |         |         |        |         |        |        |        |         |        |         |        |         |        |         |        |         |        |        |        |        |         |        |         |          |         |          |          |          |         |          |    |
|-------------------------------|---------|---------|---------|--------|---------|--------|--------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|--------|--------|--------|---------|--------|---------|----------|---------|----------|----------|----------|---------|----------|----|
| Year                          | 2018    |         |         |        | 2019    |        |        |        | 2020    |        |         |        | 2021    |        |         |        | 2022    |        |        |        | 2023   |         |        |         | 2024     |         |          |          | 2025     |         |          |    |
| Quarter                       | Q1      | Q2      | Q3      | Q4     | Q1      | Q2     | Q3     | Q4     | Q1      | Q2     | Q3      | Q4     | Q1      | Q2     | Q3      | Q4     | Q1      | Q2     | Q3     | Q4     | Q1     | Q2      | Q3     | Q4      | Q1       | Q2      | Q3       | Q4       | Q1       | Q2      |          |    |
| Month                         | 2       | 5       | 8       | 11     | 2       | 5      | 8      | 11     | 2       | 5      | 8       | 12     | 2       | 6      | 9       | 11     | 3       | 6      | 9      | 12     | 3      | 5       | 8      | 11      | 2        | 6       | 8        | 11       | 2        | 6       |          |    |
| Sample Date                   | 2/22    | 5/14    | 8/9     | 11/8   | 2/28    | 5/23   | 8/16   | 11/13  | 2/13    | 5/13   | 8/13    | 12/3   | 2/22    | 6/3    | 9/1     | 11/15  | 3/24    | 6/20   | 9/13   | 12/20  | 3/27   | 5/18    | 8/24   | 11/29   | 2/26     | 6/20    | 8/20     | 11/25    | 2/8      | 6/16    |          |    |
| Lab Analysis (Y/N)            | Y       | Y       | Y       | Y      | Y       | Y      | Y      | Y      | Y       | Y      | Y       | Y      | Y       | Y      | Y       | Y      | Y       | Y      | Y      | Y      | Y      | Y       | Y      | Y       | Y        | Y       | Y        | Y        | Y        | Y       |          |    |
| Field Parameters:             |         |         |         |        |         |        |        |        |         |        |         |        |         |        |         |        |         |        |        |        |        |         |        |         |          |         |          |          |          |         |          |    |
| Flow Rate                     | cfs     | NM      | 0.60    | 0.70   | 0.70    | 0.25   | 3.63   | 1.17   | NM      | NM     | 0.92    | 0.13   | 1.02    | 0.06   | 0.16    | NM     | 0.67    | 0.16   | 0.07   | 0.01   | 0.07   | NM      | 0.74   | 0.89    | 0.64     | 0.44    | 0.66     | 1.85     | 0.11     | 0.03    | 1.40     |    |
| Temperature                   | deg C   | 4.7     | 11.3    | 22.1   | 1.1     | 5.9    | 5.9    | 16.9   | 5.7     | 1.5    | 16.5    | 18.1   | 2.0     | 5.8    | 11.3    | 15.5   | 7.1     | 8.6    | 17.8   | 15.0   | 2.7    | 0.1     | 17.8   | 16.0    | 3.2      | 5.5     | 13.6     | 16.6     | 5.9      | 6.5     | 16.1     |    |
| pH                            | SU      | 7.90    | 7.58    | 9.07   | 7.16    | 6.40   | 7.53   | 8.03   | 7.33    | 7.75   | 8.39    | 8.65   | 8.08    | 7.83   | 7.75    | 8.07   | 6.94    | 7.11   | 7.94   | 7.15   | 6.19   | 7.85    | 8.01   | 7.70    | 7.76     | 7.68    | 7.73     | 8.05     | 7.68     | 7.58    | 7.90     |    |
| Specific Conductance          | µS/cm   | 1041    | 304     | 307    | 307     | 752    | 306    | 275    | 682     | 902    | 314     | 528    | 434     | 1024   | 189     | 280    | 252     | 553    | 832    | 570    | 708    | 1508    | 442    | 764     | 1013     | 1058    | 532      | 306      | 989      | 1237    | 434      |    |
| Oxygen Reduction Potential    | mV      | -164.1  | 111.4   | -181.3 | 13.9    | 103.7  | -24.0  | 24.4   | -22.4   | -4.5   | 81.7    | 118.9  | 120.3   | 51.6   | 86.6    | 58.3   | 109.2   | 3.2    | 97.8   | -108.9 | -148.2 | 13.3    | -8.6   | -27.5   | -76.4    | -117.6  | -9.7     | 21.4     | -121.4   | -91.3   | 140.1    |    |
| Dissolved Oxygen              | mg/L    | 9.4     | 8.5     | 6.4    | 10.2    | 8.0    | 8.9    | 7.8    | 7.9     | 7.0    | 7.5     | 8.4    | 10.4    | 8.7    | 8.5     | 7.1    | 9.2     | 8.5    | 8.5    | 8.1    | 10.4   | 9.0     | 7.3    | 6.0     | 8.0      | 6.7     | 6.1      | 6.7      | 8.6      | 7.8     | 7.5      |    |
| Lab Analytical Results:       |         |         |         |        |         |        |        |        |         |        |         |        |         |        |         |        |         |        |        |        |        |         |        |         |          |         |          |          |          |         |          |    |
| Hardness as CaCO3             | mg/L    | 489     | 101     | 153    | 149     | 393    | 136    | 125    | 372     | 405    | 150     | 287    | 213     | 588    | 93      | 131    | 120     | 280    | 383    | 273    | 336    | 697     | 293    | 342     | 434      | 458     | 245      | 141      | 460      | 532     | 204      |    |
| pH (Lab)                      | SU      | 8.39    | 7.99    | 9.07   | 7.86    | 7.45   | 7.69   | 7.83   | 7.40    | 7.22   | 7.60    | 8.01   | 7.92    | 7.57   | 7.72    | 7.44   | 7.52    | 7.81   | 7.87   | 7.81   | 7.98   | 7.56    | 7.91   | 7.56    | 7.85     | 7.96    | 7.76     | 7.96     | 7.70     | 7.70    | 7.88     |    |
| Total Dissolved Solids (Lab)  | mg/L    | 700     | 140     | 215    | 175     | 535    | 205    | 225    | 635     | 587    | 255     | 340    | 160     | 685    | 210     | 185    | 140     | 380    | 520    | 355    | 410    | 955     | 380    | 480     | 600      | 615     | 295      | 150      | 600      | 685     | 225      |    |
| Total Suspended Solids        | mg/L    | 6.01    | 106.00  | 6.25   | 14.80   | 22.00  | 113.00 | 20.00  | 5.38    | <4.0   | 140.00  | 19.50  | 13.20   | 55.00  | 133.00  | 51.00  | 13.20   | 13.40  | 5.07   | 45.40  | <2.50  | 121.00  | 38.00  | 9.79    | < 2.50   | 10.00   | 57.30    | 4.92     | 26.70    | 12.40   | 29.40    |    |
| Calcium                       | mg/L    | 87.3    | 26.3    | 39.1   | 40.3    | 79.8   | 34.6   | 32.4   | 79.3    | 81.5   | 36.1    | 63.2   | 49.9    | 113.0  | 25.8    | 35.8   | 34.2    | 61.7   | 70.8   | 55.0   | 69.9   | 124.0   | 63.5   | 70.2    | 86.3     | 90.2    | 50.0     | 37.0     | 90.1     | 102.0   | 46.6     |    |
| Magnesium                     | mg/L    | 65.9    | 8.6     | 13.5   | 11.9    | 47.0   | 12.1   | 10.8   | 42.2    | 49.0   | 14.5    | 31.3   | 21.5    | 74.3   | 6.9     | 10.1   | 8.4     | 30.5   | 50.1   | 33.1   | 39.2   | 93.9    | 32.6   | 40.5    | 53.0     | 56.6    | 29.1     | 11.8     | 57.1     | 67.5    | 21.2     |    |
| Sodium                        | mg/L    | 34.60   | 3.31    | 5.33   | 5.00    | 19.10  | 7.24   | 5.81   | 25.40   | 30.90  | 7.67    | 10.90  | 8.39    | 34.30  | 2.71    | 3.97   | 3.53    | 13.80  | 19.30  | 12.40  | 15.10  | 36.80   | 18.10  | 20.60   | 31.60    | 30.50   | 16.90    | 5.13     | 21.80    | 25.50   | 9.71     |    |
| Potassium                     | mg/L    | 3.52    | 1.18    | 1.24   | <1.00   | 3.89   | 1.57   | 1.07   | 3.25    | 3.65   | 1.86    | 1.85   | 1.53    | 4.74   | <1.00   | 3.28   | <1.00   | 3.39   | 3.58   | 2.18   | 2.82   | 6.20    | 2.79   | 2.97    | 6.33     | 4.89    | 3.32     | 1.30     | 4.39     | 6.08    | 1.48     |    |
| Alkalinity, Total             | mg/L    | 244     | 67      | 111    | 120     | 260    | 390    | 103    | 233     | 315    | 102     | 220    | 137     | 340    | 68      | 98     | 87      | 162    | 330    | 209    | 231    | 365     | 179    | 247     | 300      | 326     | 175      | 111      | 301      | 425     | 133      |    |
| Alkalinity, Bicarbonate       | mg/L    | 244     | 67      | 107    | 120     | 260    | 390    | 103    | 233     | 295    | 102     | 220    | 131     | 340    | 68      | 98     | 87      | 162    | 330    | 209    | 231    | 365     | 179    | 247     | 300      | 326     | 175      | 111      | 301      | 425     | 133      |    |
| Alkalinity, Carbonate         | mg/L    | <10.0   | <10.0   | <10.0  | <10.0   | <10.0  | <10.0  | <10.0  | <10.0   | <10.0  | <10.0   | <10.0  | <10.0   | <10.0  | <10.0   | <10.0  | <10.0   | <10.0  | <10.0  | <10.0  | <10.0  | <10.0   | <10.0  | < 10.0  | < 10.0   | < 10.0  | < 10.0   | < 10.0   | < 10.0   | < 10.0  | < 10.0   |    |
| Alkalinity, Hydroxide         | mg/L    | <10.0   | <10.0   | <10.0  | <10.0   | <10.0  | <10.0  | <10.0  | <10.0   | <10.0  | <10.0   | <10.0  | <10.0   | <10.0  | <10.0   | <10.0  | <10.0   | <10.0  | <10.0  | <10.0  | <10.0  | <10.0   | <10.0  | <10.0   | <10.0    | <10.0   | <10.0    | <10.0    | <10.0    | <10.0   | <10.0    |    |
| Chloride                      | mg/L    | 46.70   | 3.12    | 6.70   | 5.58    | 48.10  | 7.75   | 6.04   | 22.80   | 31.60  | 9.64    | 24.50  | 14.80   | 85.90  | 3.17    | 5.23   | 3.44    | 32.30  | 33.60  | 21.90  | 29.20  | 108.00  | 36.10  | 41.70   | 45.80    | 51.20   | 21.60    | 7.84     | 55.70    | 65.80   | 18.30    |    |
| Fluoride                      | mg/L    | 0.285   | 0.224   | 0.272  | 0.224   | 0.252  | 0.208  | 0.214  | <0.500  | 0.239  | <0.500  | 0.226  | 0.226   | 0.235  | 0.188   | 0.227  | 0.179   | 0.178  | 0.260  | 0.238  | 0.227  | 0.266   | 0.185  | 0.235   | 0.189    | < 0.200 | 0.223    | 0.215    | 0.271    | 0.303   | 0.205    |    |
| Sulfate as SO4                | mg/L    | 229.0   | 34.0    | 49.7   | 45.0    | 128.0  | 47.2   | 35.6   | 107.0   | 151.0  | 44.0    | 86.3   | 64.4    | 211.0  | 26.4    | 42.2   | 40.0    | 95.5   | 121.0  | 85.1   | 99.4   | 314.0   | 116.0  | 114.0   | 152.0    | 159.0   | 76.6     | 38.8     | 146.0    | 179.0   | 59.8     |    |
| Total Organic Carbon (TOC)    | mg/L    | 1.81    | 2.31    | 1.61   | 1.09    | 4.94   | 3.08   | 1.84   | 4.54    | 5.45   | 2.93    | 1.65   | 1.22    | 2.69   | 1.39    | 2.80   | 0.83    | 1.86   | 5.18   | 1.74   | 0.90   | 3.93    | 6.04   | 4.35    | 6.45     | 8.35    | 8.72     | 1.41     | 2.59     | 4.03    | 1.55     |    |
| Oil & Grease                  | mg/L    | <5.00   | <5.00   | <5.00  | <5.00   | <5.00  | <5.00  | <5.00  | <5.00   | <5.00  | <5.00   | <5.00  | <5.00   | <5.00  | <5.00   | <5.00  | <5.00   | <5.00  | <5.00  | <5.00  | <5.00  | <5.00   | <5.00  | < 5.00  | < 5.00   | < 5.00  | < 5.00   | < 5.00   | < 5.00   | < 5.00  | < 5.00   |    |
| Nitrate/Nitrite as N          | mg/L    | 0.105   | 0.026   | <0.020 | <0.020  | 0.263  | 0.050  | 0.072  | 0.104   | 0.044  | 0.302   | 0.042  | 0.026   | 0.282  | 0.049   | 0.026  | <0.02   | 0.118  | 0.165  | <0.02  | 0.066  | 0.850   | 0.133  | 0.298   | 0.113    | 0.038   | 0.085    | 0.024    | 0.070    | 0.082   | 0.107    |    |
| Sodium Adsorption Ratio (SAR) | no unit | 0.68    | 0.14    | 0.18   | 0.16    | 0.42   | 0.26   | 0.22   | 0.55    | 0.65   | 0.26    | 0.29   | 0.25    | 0.62   | 0.12    | 0.15   | 0.14    | 0.36   | 0.43   | 0.33   | 0.37   | 0.61    | 0.46   | 0.48    | 0.66     | 0.63    | 0.47     | 0.19     | 0.44     | 0.48    | 0.30     |    |
| Ammonia as N ^                | mg/L    | NA      | NA      | NA     | NA      | NA     | NA     | NA     | <0.100  | NA     | NA      | NA     | NA      | NA     | NA      | NA     | NA      | NA     | NA     | NA     | NA     | NA      | NA     | NA      | NA       | NA      | NA       | NA       | NA       | NA      | NA       | NA |
| Ortho-Phosphate as P ^        | mg/L    | NA      | NA      | NA     | NA      | NA     | NA     | NA     | <0.0500 | NA     | NA      | NA     | NA      | NA     | NA      | NA     | NA      | NA     | NA     | NA     | NA     | NA      | NA     | NA      | NA       | NA      | NA       | NA       | NA       | NA      | NA       | NA |
| Aluminum                      | mg/L    | <0.050  | <0.050  | <0.050 | <0.050  | <0.050 | <0.050 | <0.050 | <0.050  | <0.050 | <0.050  | <0.050 | <0.050  | <0.050 | <0.050  | <0.050 | <0.050  | <0.050 | <0.050 | <0.050 | <0.050 | <0.250  | <0.050 | < 0.050 | < 0.100  | < 0.100 | < 0.050  | < 0.050  | < 0.050  | < 0.050 | < 0.050  |    |
| Arsenic                       | mg/L    | <0.0025 | <0.0005 | 0.0009 | <0.0005 | 0.0007 | 0.0006 | 0.0007 | 0.0005  | 0.0006 | <0.0005 | 0.0007 | <0.0005 | 0.0012 | <0.0005 | 0.0010 | <0.0005 | 0.0005 | 0.0010 | 0.0007 | 0.0009 | <0.0025 | 0.0006 | 0.0008  | < 0.0010 | 0.0011  | < 0.0010 | < 0.0010 | < 0.0010 | 0.0011  | < 0.0010 |    |
| Cadmium                       | mg/L    | <0.00   |         |        |         |        |        |        |         |        |         |        |         |        |         |        |         |        |        |        |        |         |        |         |          |         |          |          |          |         |          |    |

GCC Energy Hydrologic Monitoring Data

| Hay Gulch Ditch Downgradient  |         |         |         |        |         |        |        |        |         |        |         |        |         |        |         |        |         |         |        |        |        |         |        |          |          |          |          |          |          |          |          |          |
|-------------------------------|---------|---------|---------|--------|---------|--------|--------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|---------|--------|--------|--------|---------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Year                          | 2018    |         |         |        | 2019    |        |        |        | 2020    |        |         |        | 2021    |        |         |        | 2022    |         |        |        | 2023   |         |        |          | 2024     |          |          |          | 2025     |          |          |          |
| Quarter                       | Q1      | Q2      | Q3      | Q4     | Q1      | Q2     | Q3     | Q4     | Q1      | Q2     | Q3      | Q4     | Q1      | Q2     | Q3      | Q4     | Q1      | Q2      | Q3     | Q4     | Q1     | Q2      | Q3     | Q4       | Q1       | Q2       | Q3       | Q4       | Q1       | Q2       |          |          |
| Month                         | 2       | 5       | 8       | 11     | 2       | 5      | 8      | 11     | 2       | 6      | 8       | 12     | 2       | 6      | 9       | 11     | 3       | 6       | 9      | 12     | 3      | 5       | 8      | 11       | 2        | 6        | 8        | 11       | 2        | 6        |          |          |
| Sample Date                   | 2/22    | 5/7     | 8/9     | 11/7   | 2/28    | 5/23   | 8/16   | 11/13  | 2/6     | 6/1    | 8/13    | 12/3   | 2/22    | 6/3    | 9/1     | 11/15  | 3/24    | 6/20    | 9/13   | 12/20  | 3/27   | 5/18    | 8/18   | 11/21    | 2/26     | 6/20     | 8/20     | 11/25    | 2/8      | 6/16     |          |          |
| Lab Analysis (Y/N)            | Y       | Y       | Y       | Y      | Y       | Y      | Y      | Y      | Y       | Y      | Y       | Y      | Y       | Y      | Y       | Y      | Y       | Y       | Y      | Y      | Y      | Y       | Y      | Y        | Y        | Y        | Y        | Y        | Y        | Y        |          |          |
| Field Parameters:             |         |         |         |        |         |        |        |        |         |        |         |        |         |        |         |        |         |         |        |        |        |         |        |          |          |          |          |          |          |          |          |          |
| Flow Rate                     | cfs     | NM      | NM      | NM     | 0.50    | 0.25   | 0.30   | 1.05   | NM      | NM     | 1.50    | 0.13   | NM      | 0.001  | 0.40    | NM     | 0.67    | 0.06    | 0.04   | 0.01   | 0.07   | 0.10    | 1.34   | 0.20     | 0.08     | 0.06     | 0.57     | 0.43     | 0.02     | 0.02     | 0.14     |          |
| Temperature                   | deg C   | 6.3     | 11.3    | 20.6   | 4.7     | 6.88   | 8.23   | 15.15  | 3.51    | 3.73   | 14.21   | 20.4   | 6.83    | 10.37  | 13.35   | 10.47  | 4.00    | 9.21    | 17.71  | 18.02  | 4.05   | 4.52    | 15.48  | 14.54    | 7.36     | 5.85     | 15.03    | 14.51    | 8.37     | 6.83     | 12.55    |          |
| pH                            | SU      | 8.33    | 7.58    | 7.43   | 7.48    | 6.42   | 7.77   | 7.61   | 8.38    | 7.94   | 8.24    | 8.00   | 7.7     | 7.76   | 8.12    | 8.26   | 7.00    | 7.22    | 7.53   | 6.50   | 6.42   | 8.43    | 8.30   | 7.68     | 8.29     | 8.23     | 8.35     | 8.14     | 8.00     | 8.01     | 8.12     |          |
| Specific Conductance          | µS/cm   | 742     | 304     | 356    | 309     | 577    | 202    | 295    | 554     | 882    | 137     | 237    | 478     | 815    | 131     | 184    | 311     | 636     | 150    | 248    | 292    | 891     | 762    | 835      | 976      | 984      | 358      | 378      | 845      | 1044     | 471      |          |
| Oxygen Reduction Potential    | mV      | 51.6    | 111.4   | -10.0  | -88.9   | 125.6  | 50.6   | 111.6  | -108.1  | 124.2  | 104.8   | 103.0  | 127.8   | -26.5  | 85.1    | 119.5  | 122.7   | -85.2   | 136.1  | 39.9   | -132.7 | 66.9    | 79.6   | -148.0   | -29.4    | -12.0    | 47.6     | 79.7     | -28.0    | 21.1     | 146.3    |          |
| Dissolved Oxygen              | mg/L    | 9.8     | 8.5     | 6.3    | 9.1     | 7.6    | 8.8    | 7.2    | 9.6     | 9.5    | 8.0     | 6.4    | 9.6     | 6.8    | 7.8     | 6.7    | 9.8     | NM      | 7.2    | 7.0    | 9.7    | 10.2    | 6.8    | 7.3      | 9.0      | 9.8      | 7.2      | 6.8      | 7.7      | 9.3      | 7.8      |          |
| Lab Analytical Results:       |         |         |         |        |         |        |        |        |         |        |         |        |         |        |         |        |         |         |        |        |        |         |        |          |          |          |          |          |          |          |          |          |
| Hardness as CaCO3             | mg/L    | 329     | 140     | 182    | 167     | 281    | 92     | 137    | 295     | 416    | 64      | 120    | 232     | 419    | 65      | 91     | 143     | 346     | 66     | 96     | 138    | 433     | 337    | 497      | 467      | 439      | 180      | 184      | 411      | 461      | 227      |          |
| pH (Lab)                      | SU      | 8.17    | 8.05    | 8.09   | 7.95    | 7.84   | 7.68   | 7.73   | 7.73    | 7.80   | 7.49    | 7.59   | 7.85    | 7.83   | 7.74    | 7.58   | 7.39    | 8.01    | 7.86   | 7.68   | 7.97   | 7.95    | 8.09   | 8.28     | 8.07     | 8.04     | 8.20     | 8.04     | 8.00     | 8.04     | 8.01     |          |
| Total Dissolved Solids (Lab)  | mg/L    | 420     | 220     | 260    | 185     | 390    | 185    | 195    | 355     | 573    | 120     | 135    | 370     | 435    | 175     | 90     | 120     | 410     | 30     | 90     | 225    | 555     | 475    | 625      | 575      | 570      | 195      | 225      | 545      | 565      | 250      |          |
| Total Suspended Solids        | mg/L    | 49.50   | <2.00   | 5.67   | 4.40    | 18.40  | 153.00 | 22.50  | <4.00   | 4.20   | 17.50   | 28.60  | 10.50   | 28.00  | 8.40    | 4.80   | 5.44    | 18.30   | 29.20  | 3.67   | 8.00   | 17.80   | 62.00  | 16.00    | 3.38     | 25.70    | 31.30    | 9.15     | 6.39     | 11.00    | 8.25     |          |
| Calcium                       | mg/L    | 75.4    | 37.5    | 49.0   | 44.7    | 61.6   | 26.0   | 34.5   | 67.2    | 85.6   | 20.3    | 34.2   | 55.6    | 98.2   | 21.2    | 29.8   | 39.3    | 82.1    | 21.4   | 30.2   | 39.0   | 101.0   | 75.8   | 114.0    | 110.0    | 99.9     | 42.9     | 47.0     | 97.9     | 108.0    | 55.4     |          |
| Magnesium                     | mg/L    | 34.2    | 11.2    | 14.4   | 13.4    | 31.0   | 6.5    | 12.3   | 30.8    | 49.0   | 3.2     | 8.4    | 22.7    | 42.2   | 2.9     | 3.9    | 11.0    | 34.2    | 3.0    | 5.0    | 9.7    | 43.8    | 35.8   | 51.9     | 47.1     | 46.0     | 17.6     | 16.3     | 40.4     | 46.7     | 21.6     |          |
| Sodium                        | mg/L    | 18.10   | 5.42    | 6.49   | 5.15    | 16.50  | 5.03   | 6.62   | 17.00   | 28.50  | 1.90    | 3.68   | 9.03    | 15.80  | 1.14    | 1.75   | 4.71    | 16.40   | 1.58   | 2.04   | 4.08   | 18.60   | 18.50  | 29.60    | 21.70    | 21.60    | 8.83     | 6.83     | 19.90    | 23.00    | 10.90    |          |
| Potassium                     | mg/L    | 2.84    | 1.14    | 1.58   | 1.34    | 3.13   | 1.31   | 1.27   | 2.60    | 3.81   | <1.00   | 1.36   | 1.89    | 3.75   | <1.00   | 1.02   | 1.30    | 2.89    | <1.00  | <1.00  | 1.07   | 2.94    | 2.77   | 6.45     | 4.82     | 3.73     | 1.36     | 1.53     | 3.62     | 3.74     | 1.89     |          |
| Alkalinity, Total             | mg/L    | 265     | 112     | 170    | 140     | 150    | 340    | 140    | 194     | 297    | 48      | 110    | 158     | 315    | 52      | 72     | 116     | 282     | 46     | 73     | 103    | 303     | 218    | 293      | 325      | 312      | 129      | 139      | 345      | 360      | 155      |          |
| Alkalinity, Bicarbonate       | mg/L    | 259     | 104     | 170    | 140     | 150    | 340    | 140    | 188     | 283    | 48      | 110    | 154     | 315    | 52      | 72     | 116     | 282     | 46     | 73     | 103    | 293     | 218    | 265      | 325      | 296      | 129      | 139      | 345      | 360      | 155      |          |
| Alkalinity, Carbonate         | mg/L    | <10.0   | <10.0   | <10.0  | <10.0   | <10.0  | <10.0  | <10.0  | <10.0   | 14.0   | <10.0   | <10.0  | <10.0   | <10.0  | <10.0   | <10.0  | <10.0   | <10.0   | <10.0  | <10.0  | <10.0  | <10.0   | <10.0  | 28.0     | < 10.0   | 16.0     | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   |          |
| Alkalinity, Hydroxide         | mg/L    | <10.0   | <10.0   | <10.0  | <10.0   | <10.0  | <10.0  | <10.0  | <10.0   | <10.0  | <10.0   | <10.0  | <10.0   | <10.0  | <10.0   | <10.0  | <10.0   | <10.0   | <10.0  | <10.0  | <10.0  | <10.0   | <10.0  | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   |          |
| Chloride                      | mg/L    | 23.10   | 7.54    | 7.47   | 5.69    | 40.20  | 16.90  | 7.65   | 14.80   | 30.70  | 1.87    | 4.42   | 17.10   | 59.00  | 1.16    | 1.21   | 5.07    | 15.00   | 1.23   | 1.69   | 6.57   | 39.60   | 39.40  | 50.50    | 42.70    | 51.60    | 12.70    | 11.90    | 46.30    | 53.90    | 20.40    |          |
| Fluoride                      | mg/L    | 0.308   | 0.228   | 0.295  | 0.228   | 0.232  | 0.205  | 0.218  | 0.252   | 0.272  | 0.185   | 0.224  | 0.244   | 0.246  | 0.195   | 0.216  | 0.185   | 0.257   | 0.191  | 0.221  | 0.213  | 0.274   | 0.202  | 0.231    | 0.201    | 0.201    | 0.216    | 0.223    | 0.273    | 0.287    | 0.201    |          |
| Sulfate as SO4                | mg/L    | 86.5    | 40.2    | 46.8   | 45.0    | 91.4   | 18.5   | 42.7   | 83.3    | 143.0  | 14.2    | 32.4   | 70.2    | 90.1   | 17.3    | 25.7   | 46.3    | 74.7    | 18.8   | 26.4   | 42.2   | 138.0   | 127.0  | 168.0    | 138.0    | 142.0    | 47.6     | 48.6     | 125.0    | 148.0    | 58.6     |          |
| Total Organic Carbon (TOC)    | mg/L    | 1.56    | 1.28    | 1.33   | 1.76    | 2.90   | 2.37   | 2.10   | 3.26    | 4.53   | 1.39    | 1.47   | 1.55    | 2.31   | 1.18    | 1.48   | 1.12    | 1.42    | 1.10   | 1.13   | 1.01   | <5.00   | 6.19   | 6.17     | 4.04     | 3.74     | 2.01     | 2.35     | 2.43     | 2.13     | 1.63     |          |
| Oil & Grease                  | mg/L    | <5.00   | <5.00   | <5.00  | <5.00   | <5.00  | <5.00  | <5.00  | <5.00   | <5.00  | <5.00   | <5.00  | <5.00   | <5.00  | <5.00   | <5.00  | <5.00   | <5.00   | <5.00  | <5.00  | <5.00  | <5.00   | <5.00  | < 5.00 ~ | < 5.00   | < 5.00   | < 5.00   | < 5.00   | < 5.00   | < 5.00   | < 5.00   |          |
| Nitrate/Nitrite as N          | mg/L    | <0.020  | <0.020  | <0.020 | <0.020  | 0.170  | 0.146  | 0.090  | <0.020  | 0.056  | 0.031   | 0.053  | <0.020  | 0.148  | 0.021   | <0.020 | <0.020  | 0.041   | <0.02  | <0.02  | <0.02  | 0.361   | 0.170  | 0.078    | < 0.020  | 0.072    | 0.056    | 0.025    | 0.099    | 0.065    | 0.028    |          |
| Sodium Adsorption Ratio (SAR) | no unit | 0.43    | 0.20    | 0.20   | 0.17    | 0.43   | 0.22   | 0.24   | 0.41    | 0.61   | 0.10    | 0.14   | 0.26    | 0.34   | 0.06    | 0.08   | 0.17    | 0.38    | 0.08   | 0.90   | 0.15   | 0.39    | 0.44   | 0.58     | 0.44     | 0.46     | 0.29     | 0.22     | 0.42     | 0.47     | 0.31     |          |
| Ammonia as N ^                | mg/L    | NA      | NA      | NA     | NA      | NA     | NA     | NA     | <0.100  | NA     | NA      | NA     | NA      | NA     | NA      | NA     | NA      | NA      | NA     | NA     | NA     | NA      | NA     | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       |
| Ortho-Phosphate as P ^        | mg/L    | NA      | NA      | NA     | NA      | NA     | NA     | NA     | <0.0500 | NA     | NA      | NA     | NA      | NA     | NA      | NA     | NA      | NA      | NA     | NA     | NA     | NA      | NA     | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       |
| Aluminum                      | mg/L    | <0.050  | <0.050  | <0.050 | <0.050  | <0.050 | <0.050 | <0.050 | <0.050  | <0.050 | <0.050  | <0.050 | <0.050  | <0.050 | <0.050  | <0.050 | <0.050  | <0.050  | <0.050 | <0.050 | <0.050 | < 0.100 | <0.050 | < 0.100  | < 0.050  | < 0.050  | < 0.050  | < 0.050  | < 0.050  | < 0.050  | < 0.050  |          |
| Arsenic                       | mg/L    | 0.0005  | 0.0005  | 0.0008 | <0.0005 | 0.0006 | 0.0006 | 0.0006 | 0.0005  | 0.0006 | <0.0005 | 0.0007 | <0.0005 | 0.0013 | <0.0005 | 0.0007 | <0.0005 | <0.0005 | 0.0010 | 0.0007 | 0.0005 | <0.001  | 0.0009 | < 0.0010 | < 0.0005 | < 0.0010 | < 0.0005 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 |
| Cadmium                       | mg/L    | <0.0001 | <0.0001 | <0.    |         |        |        |        |         |        |         |        |         |        |         |        |         |         |        |        |        |         |        |          |          |          |          |          |          |          |          |          |

## GCC Energy Hydrologic Monitoring Data

| Well #1 Upgradient            |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |          |
|-------------------------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Year                          | 2018   |         |         |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |         | 2023    |         |         |          | 2024     |          |          |          | 2025     |          |          |          |
| Quarter                       | Q1     | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4       | Q1       | Q2       | Q3       | Q4       | Q1       | Q2       |          |          |
| Month                         | 2      | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 6       | 8       | 12      | 2       | 5       | 8       | 11      | 3       | 6       | 8       | 12      | 3       | 5       | 8       | 11       | 2        | 6        | 8        | 11       | 2        | 5        |          |          |
| Sample Date                   | 2/22   | 5/14    | 8/9     | 11/7    | 2/25    | 5/23    | 8/16    | 11/14   | 2/13    | 6/1     | 8/31    | 12/14   | 2/11    | 5/19    | 8/12    | 11/12   | 3/1     | 6/2     | 8/17    | 12/16   | 3/29    | 5/19    | 8/21    | 11/21    | 2/26     | 6/20     | 8/20     | 11/25    | 2/8      | 5/27     |          |          |
| Lab Analysis (Y/N)            | Y      | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y        | Y        | Y        | Y        | Y        | Y        |          |          |          |
| Field Parameters:             |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |          |
| Purge Flow Rate               | gpm    | 7.2     | 7.2     | 10.0    | 7.2     | 10.0    | 8.3     | 11.0    | 6.5     | 8.0     | 10.0    | 8.0     | 8.0     | 8.0     | 8.0     | 8.0     | 4.0     | 8.0     | 5.0     | 9.0     | 6.0     | 7.1     | 10.2    | 8.8      | 6.1      | 8.1      | 8.7      | 4.8      | 6.5      | 6.4      | 7.4      |          |
| Total Purged                  | gal    | 268     | 280     | 267     | 305     | 300     | 321     | 327     | 293     | 314     | 300     | 291     | 280     | 302     | 324     | 300     | 400     | 300     | 300     | 400     | 350     | 270     | 280     | 304      | 264      | 270      | 265      | 263      | 262      | 265      | 266      |          |
| Depth to Water                | ft bgs | 5.40    | 5.77    | 5.65    | 6.50    | 5.98    | 4.50    | 5.68    | 6.08    | 5.55    | 4.17    | 6.25    | 3.72    | 6.48    | 5.82    | 7.25    | 6.55    | 6.47    | 6.80    | 6.80    | 6.30    | 4.92    | 4.42    | 6.15     | 6.40     | 5.70     | 6.10     | 6.40     | 6.70     | 6.00     | 5.91     |          |
| Temperature                   | deg C  | 11.5    | 11.7    | 12.0    | 12.5    | 11.7    | 11.5    | 11.8    | 12.9    | 11.6    | 12.1    | 12.3    | 11.5    | 11.6    | 12.2    | 12.3    | 12.0    | 12.0    | 12.3    | 12.0    | 11.7    | 11.8    | 11.7    | 12.7     | 12.3     | 12.3     | 11.7     | 12.7     | 11.8     | 11.4     | 12.2     |          |
| pH                            | SU     | 7.56    | 7.49    | 7.35    | 7.34    | 7.44    | 7.39    | 7.37    | 7.32    | 7.37    | 7.38    | 7.57    | 7.60    | 7.54    | 7.56    | 7.59    | 7.57    | 7.46    | 7.54    | 7.49    | 6.84    | 7.67    | 7.53    | 7.67     | 7.52     | 7.59     | 7.36     | 7.46     | 7.47     | 7.41     | 7.42     |          |
| Specific Conductance          | µS/cm  | 1278    | 1218    | 1289    | 1204    | 1235    | 1308    | 1253    | 1232    | 1277    | 1268    | 1067    | 1190    | 1142    | 1235    | 1212    | 1301    | 1235    | 1301    | 1235    | 1282    | 1313    | 1375    | 1201     | 1287     | 1312     | 1238     | 1265     | 1225     | 1361     | 1275     |          |
| Oxygen Reduction Potential    | mV     | -185.3  | -219.3  | -251.6  | -273.0  | -232.0  | -194.0  | -192.0  | -159.9  | -193.0  | -221.7  | -187.2  | -138.1  | -153.4  | -208.9  | -202.5  | -272.2  | -306.3  | -231.9  | -351.0  | -306.7  | -162.0  | -126.9  | -157.9   | -238.5   | -260.6   | -174.9   | -212.8   | -300.6   | -211.5   | -203.6   |          |
| Lab Analytical Results:       |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |          |
| Hardness as CaCO3             | mg/L   | 274     | 275     | 369     | 287     | 252     | 350     | 303     | 263     | 290     | 319     | 255     | 247     | 298     | 313     | 236     | 286     | 271     | 311     | 281     | 317     | 334     | 561     | 301      | 303      | 330      | 304      | 321      | 301      | 316      | 350      |          |
| pH (Lab)                      | SU     | 7.75    | 7.95    | 7.48    | 7.50    | 7.77    | 7.56    | 7.23    | 7.35    | 7.12    | 7.26    | 7.53    | 7.72    | 7.39    | 7.33    | 7.47    | 7.23    | 7.51    | 7.67    | 7.46    | 7.39    | 7.43    | NA*     | 7.62     | 7.44     | 7.67     | 7.52     | 7.57     | 7.54     | 7.55     | 7.42     |          |
| Total Dissolved Solids (Lab)  | mg/L   | 745     | 770     | 835     | 730     | 735     | 860     | 780     | 705     | 700     | 775     | 710     | 690     | 755     | 785     | 750     | 745     | 725     | 790     | 735     | 745     | 765     | 835     | 740      | 755      | 745      | 750      | 730      | 730      | 640      | 770      |          |
| Calcium                       | mg/L   | 53.4    | 53.8    | 71.5    | 56.7    | 49.1    | 67.8    | 58.2    | 51.5    | 56.5    | 61.6    | 49.6    | 47.4    | 58.1    | 60.9    | 45.4    | 54.8    | 53.3    | 60.3    | 52.1    | 60.2    | 64.2    | 107.0   | 58.1     | 58.1     | 61.3     | 58.9     | 61.4     | 57.6     | 59.3     | 64.2     |          |
| Magnesium                     | mg/L   | 34.2    | 34.1    | 46.4    | 35.4    | 31.4    | 43.8    | 38.3    | 32.7    | 36.1    | 40.0    | 31.7    | 31.1    | 37.2    | 39.1    | 29.8    | 36.1    | 33.5    | 39.0    | 36.6    | 40.5    | 42.2    | 71.2    | 37.7     | 38.4     | 43.0     | 38.1     | 40.7     | 38.3     | 40.7     | 46.0     |          |
| Sodium                        | mg/L   | 183.0   | 191.0   | 154.0   | 212.0   | 196.0   | 172.0   | 167.0   | 198.0   | 183.0   | 178.0   | 193.0   | 196.0   | 204.0   | 172.0   | 177.0   | 182.0   | 185.0   | 172.0   | 179.0   | 166.0   | 168.0   | 106.0   | 192.0    | 174.0    | 158.0    | 173.0    | 177.0    | 182.0    | 164.0    | 160.0    |          |
| Potassium                     | mg/L   | 3.09    | 3.03    | 3.16    | 3.15    | 3.01    | 3.32    | 3.01    | 3.01    | <5      | 3.05    | 3.05    | 3.02    | <5.00   | 3.00    | <5.00   | <5.00   | 2.93    | 3.09    | 2.94    | <5.00   | <5.00   | 3.04    | < 5.00   | 2.89     | 2.80     | 3.00     | 3.03     | 2.97     | 2.99     | < 5.00   |          |
| Alkalinity, Total             | mg/L   | 620     | 595     | 630     | 640     | 610     | 615     | 615     | 590     | 600     | 576     | 520     | 605     | 570     | 620     | 600     | 770     | 640     | 650     | 570     | 615     | 640     | 590     | 602      | 610      | 590      | 625      | 630      | 635      | 635      | 640      |          |
| Alkalinity, Bicarbonate       | mg/L   | 620     | 595     | 630     | 640     | 610     | 615     | 615     | 590     | 600     | 576     | 520     | 587     | 570     | 620     | 600     | 770     | 640     | 590     | 570     | 615     | 640     | 590     | 602      | 610      | 590      | 625      | 630      | 635      | 635      | 640      |          |
| Alkalinity, Carbonate         | mg/L   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | 18.0    | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | 60.0    | <10.0   | <10.0   | <10.0   | <10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   |          |
| Alkalinity, Hydroxide         | mg/L   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | < 10.0  | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   |          |
| Chloride                      | mg/L   | 4.30    | 4.35    | 4.34    | 4.23    | 4.35    | 4.59    | 4.36    | 6.19    | 4.76    | 4.76    | 4.62    | 4.34    | 4.27    | 4.91    | 4.89    | 4.93    | 4.46    | 4.50    | 4.75    | 4.78    | 4.77    | 6.43    | 4.76     | 4.83     | 5.05     | 5.38     | 4.84     | 4.71     | 4.87     | 4.86     |          |
| Fluoride                      | mg/L   | 0.354   | 0.335   | 0.390   | 0.359   | 0.355   | 0.349   | 0.335   | <0.500  | 0.348   | 0.366   | 0.356   | 0.342   | 0.311   | 0.338   | 0.350   | 0.284   | 0.349   | 0.268   | 0.332   | 0.334   | 0.340   | 0.320   | 0.304    | 0.268    | 0.266    | 0.352    | 0.340    | 0.436    | 0.389    | 0.342    |          |
| Sulfate as SO4                | mg/L   | 106.0   | 97.2    | 147.0   | 89.9    | 91.4    | 131.0   | 112.0   | 92.1    | 104.0   | 110.0   | 79.6    | 87.9    | 102.0   | 110.0   | 98.5    | 122.0   | 96.4    | 114.0   | 103.0   | 114.0   | 122.0   | 174.0   | 90.8     | 102.0    | 117.0    | 108.0    | 112.0    | 101.0    | 120.0    | 130.0    |          |
| Total Organic Carbon (TOC)    | mg/L   | 3.37    | 3.50    | 3.94    | 3.35    | 3.31    | 3.70    | 3.53    | 3.14    | 3.29    | 3.37    | 3.32    | 3.17    | 3.26    | 3.27    | 3.23    | 3.23    | 3.04    | 3.46    | 3.45    | 1.82    | 3.36    | 4.62    | 3.17     | 2.99     | 5.09     | 3.46     | 3.44     | 3.46     | 3.59     | 3.35     |          |
| Nitrate/Nitrite as N          | mg/L   | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.040  |          |
| Ammonia as N ^                | mg/L   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | 0.931   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       |          |
| Ortho-Phosphate as P ^        | mg/L   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | 0.0590  | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       |          |
| Aluminum                      | mg/L   | <0.050  | <0.050  | <0.050  | <0.050  | <0.050  | <0.050  | <0.050  | <0.100  | <0.250  | <0.050  | <0.150  | <0.050  | <0.250  | <0.050  | <0.250  | <0.250  | <0.050  | <0.050  | <0.050  | <0.250  | <0.250  | <0.100  | < 0.250  | < 0.100  | < 0.100  | < 0.100  | < 0.050  | < 0.050  | < 0.050  | < 0.250  |          |
| Arsenic                       | mg/L   | 0.0005  | 0.0005  | 0.0005  | <0.0005 | 0.0005  | 0.0005  | <0.0005 | <0.0010 | <0.0005 | <0.0005 | <0.0010 | 0.0008  | <0.0025 | 0.0005  | <0.0005 | <0.0025 | <0.0005 | 0.0006  | <0.0005 | <0.0025 | <0.0025 | 0.0013  | < 0.0010 | < 0.0010 | < 0.0020 | < 0.0020 | < 0.0010 | < 0.0020 | < 0.0050 | < 0.0020 |          |
| Cadmium                       | mg/L   | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0002 | <0.0001 | <0.0001 | <0.0002 | <0.0001 | <0.0005 | <0.0005 | <0.0005 | <0.0025 | <0.0005 | <0.0005 | <0.0005 | <0.0025 | <0.0025 | <0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0005 | < 0.0010 | < 0.0025 | < 0.0010 |          |
| Copper                        | mg/L   | 0.0035  | 0.0030  | 0.0022  | 0.0025  | 0.0042  | 0.0015  | 0.0019  | 0.0012  | 0.0017  | 0.0017  | 0.0021  | 0.0007  | <0.0025 | 0.0039  | 0.0038  | 0.0059  | 0.0053  | 0.0067  | 0.0069  | 0.0067  | 0.0031  | 0.0022  | 0.0016   | 0.0035   | 0.0055   | 0.0067   | 0.0052   | 0.0112   | 0.0056   | 0.0058   |          |
| Iron                          | mg/L   | 1.440   | 1.390   | 1.980   | 1.520   | 1.260   | 1.740   | 1.580   | 1.410   | 1.490   | 1.530   | 1.240   | 1.700   | 1.660   | 1.690   | 1.190   | 1.430   | 1.250   | 1.650   | 1.320   | 2.070   | 1.700   | 4.630   | 1.560    | 1.810    | 2.030    | 1.650    | 2.010    | 1.690    | 1.880    | 0.454    |          |
| Lead                          | mg/L   | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0010 | <0.0005 | <0.0005 | <0.0010 | <0.0005 | <0.0025 | <0.0005 | <0.0005 | <0.0025 | <0.0005 | <0.0005 | <0.0005 | <0.0025 | <0.0025 | <0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0100 | < 0.0050 | < 0.0010 | < 0.0025 | < 0.0010 |          |
| Manganese                     | mg/L   | 0.3070  | 0.3060  | 0.4980  | 0.2860  | 0.3550  | 0.4390  | 0.4280  | 0.3540  | 0.3660  | 0.3690  | 0.2970  | 0.2970  | 0.4140  | 0.3880  | 0.3080  | 0.3870  | 0.3250  | 0.4100  | 0.3490  | 0.5010  | 0.4710  | 0.9220  | 0.1620   | 0.4220   | 0.5170   | 0.4510   | 0.4020   | 0.4180   | 0.4660   | 0.5220   |          |
| Mercury (dissolved)           | mg/L   | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0050 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |         |         |         |         |         |          |          |          |          |          |          |          |          |          |
| Mercury (dissolved low-level) | ng/L   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | <5      | <100    | <100    | <100    | <100    | < 100    | < 100    | < 100    | < 100    | < 100    | < 100    | < 100    | < 100    |          |
| Molybdenum                    | mg/L   | <0.0005 | <0.0005 | 0.0006  | <0.0005 | 0.0005  | <0.0005 | <0.0005 | <0.0010 | <0.0005 | <0.0005 | <0.0010 | 0.0005  | <0.0025 | <0.0005 | <0.0005 | <0.0025 | <0.0005 | <0.0005 | 0.0005  | <0.0025 | <0.0025 | 0.0013  | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0005 | < 0.0010 | < 0.0025 | < 0.0010 |
| Selenium                      | mg/L   | <0.0010 | 0.0171  | 0.0120  | 0.0022  | 0.0032  | 0.0024  | <0.0010 | <0.0020 | <0.001  | <0.0010 | 0.0095  | 0.0171  | 0.0902  | 0.0324  | 0.0331  | 0.0439  | 0.0021  | 0.0089  | 0.0131  | <0.005  | 0.0406  | <0.002  | 0.0022   | 0.0113   | 0.0075   | 0.0640   | 0.0055   | < 0.0020 | < 0.0050 | 0.0160   |          |
| Silica (SiO2)                 | mg/L   | 13.40   | 14.60   | 13.80   | 13.70   | 13.50   | 13.10   | 13.10   | 14.30   | 13.10   | 13.10   | 13.60   | 14.30   | 1       |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |          |

**Notes & Definitions:**

**Historical data prior to 2018 can be found in earlier posted versions of this table**

- ^ one-time analysis

\* sample out of holding time

Y/N    yes or no

**gpm**    gallons per minute

deg C    degrees Celsius

SU standard pH units

$\mu\text{S}/\text{cm}$  microsiemens per centimeter

**mV** millivolts

mg/L milligram per liter

pCi/L picocuries per liter

NM not measured (field)

NA not analyzed (lab)

ng/L nanogram per liter

1. "*<*" values denote that the quantification of that analyte is below the reporting level for the analytical laboratory, acceptable by environmental water quality laboratory industry standards.
2. Total alkalinity is measured by titration with hydrochloric acid to a set pH point, reporting this value as an equivalent amount of calcium carbonate. This value is then partitioned into bicarbonate, carbonate and hydroxide depending on the initial pH of the sample solution, each components reported as equivalent CaCO<sub>3</sub>.
3. Industry standard Quality Assurance/Quality Control (QA/QC) protocol are followed for this hydrologic monitoring program by both GCC Energy and the contracted environmental water quality analytical laboratories. QA/QC results are not shown in this table.



GCC Energy Hydrologic Monitoring Data

| Well #2 Downgradient         |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |        |        |         |         |         |         |         |         |         |         |        |
|------------------------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| Year                         | 2018   |         |         |         |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |         | 2023   |        |        |         | 2024    |         |         |         | 2025    |         |         |        |
| Quarter                      | Q1     | Q2      | Q3      | Q4      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1     | Q2     | Q3     | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      |         |        |
| Month                        | 2      | 5       | 8       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 6       | 8       | 12      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 12      | 3      | 5      | 8      | 11      | 2       | 6       | 8       | 11      | 2       | 5       |         |        |
| Sample Date                  | 2/22   | 5/7     | 8/8     | 8/9     | 11/7    | 2/27    | 5/22    | 8/16    | 11/13   | 2/6     | 6/1     | 8/26    | 12/14   | 2/11    | 5/19    | 8/12    | 11/10   | 2/28    | 5/9     | 8/9     | 12/13   | 3/28   | 5/19   | 8/18   | 11/21   | 2/26    | 6/20    | 8/20    | 11/24   | 2/8     | 5/27    |         |        |
| Lab Analysis (Y/N)           | Y      | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y      | Y      | Y      | Y       | Y       | Y       | Y       | Y       | Y       | Y       |         |        |
| Field Parameters:            |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |        |        |         |         |         |         |         |         |         |         |        |
| Purge Flow Rate              | gpm    | 0.10    | 1.00    | 0.10    | 1.00    | 0.50    | 0.25    | 0.50    | 0.25    | 0.50    | 0.25    | 0.25    | 0.25    | 0.13    | 0.50    | 0.25    | 0.25    | 0.25    | 0.25    | 0.25    | 0.04    | 0.33   | 0.60   | 0.34   | 0.19    | 0.23    | 0.38    | 0.23    | 0.35    | 0.16    | 0.25    |         |        |
| Total Purged                 | gal    | 6.0     | 11.0    | 2.0     | 6.5     | 7.5     | 13.0    | 10.0    | 9.0     | 7.5     | 12.0    | 8.0     | 7.0     | 7.0     | 12.0    | 9.0     | 7.0     | 12.0    | 6.0     | 9.0     | 19.0    | 0.4    | 5.4    | 8.0    | 5.2     | 4.6     | 4.8     | 4.4     | 3.6     | 3.3     | 3.3     | 4.1     |        |
| Depth to Water               | ft bgs | 6.68    | 7.40    | 6.65    | 6.59    | 5.17    | 5.85    | 0.92    | 3.60    | 5.20    | 5.60    | 4.00    | 6.29    | 7.48    | 8.10    | 8.70    | 8.32    | 8.75    | 9.14    | 9.70    | 10.25   | 9.65   | 8.55   | 8.65   | 8.95    | 10.07   | 9.70    | 10.50   | 11.75   | 12.78   | 12.70   | 11.20   |        |
| Temperature                  | deg C  | 9.8     | 8.9     | 14.0    | 11.1    | 11.9    | 9.1     | 8.1     | 10.5    | 11.5    | 10.4    | 9.1     | 11.5    | 11.0    | 9.8     | 9.4     | 11.2    | 12.1    | 10.1    | 9.5     | 11.1    | 11.2   | 9.2    | 8.7    | 11.3    | 11.4    | 9.8     | 9.2     | 10.3    | 11.2    | 9.9     | 9.3     |        |
| pH                           | SU     | 7.59    | 7.48    | 7.84    | 7.20    | 7.15    | 7.41    | 7.34    | 7.23    | 7.19    | 7.32    | 7.41    | 7.44    | 7.56    | 7.50    | 7.54    | 7.57    | 7.53    | 7.53    | 7.50    | 7.45    | 7.79   | 7.72   | 7.52   | 7.59    | 7.47    | 7.57    | 7.32    | 7.42    | 7.40    | 7.35    | 7.41    |        |
| Specific Conductance         | µS/cm  | 887     | 847     | 828     | 895     | 955     | 960     | 1091    | 1051    | 1083    | 1083    | 1134    | 1017    | 1099    | 964     | 939     | 1038    | 1073    | 1050    | 1019    | 1063    | 1201   | 1193   | 1253   | 1184    | 1202    | 1139    | 1093    | 1109    | 1119    | 1184    | 1143    |        |
| Oxygen Reduction Potential   | mV     | -44.9   | -34.0   | -75.6   | -127.0  | -91.9   | 48.4    | -57.8   | -30.1   | -5.5    | 25.3    | -51.3   | 19.9    | 3.2     | -4.8    | -48.3   | -26.0   | -33.5   | -94.0   | -13.3   | -207.6  | -266.7 | 15.1   | 2.1    | -18.4   | -115.3  | -112.5  | -67.6   | -39.7   | -78.7   | 34.8    | 53.5    |        |
| Lab Analytical Results:      |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |        |        |         |         |         |         |         |         |         |         |        |
| Hardness as CaCO3            | mg/L   | 412     | 415     | 422     | 415     | 465     | 488     | 537     | 513     | 603     | 540     | 575     | 560     | 569     | 624     | 529     | 503     | 521     | 500     | 527     | 551     | 557    | 503    | 641    | 646     | 582     | 500     | 540     | 553     | 555     | 532     | 539     |        |
| pH (Lab)                     | SU     | 7.62    | 7.60    | 7.61    | 7.45    | 7.50    | 7.50    | 7.40    | 7.04    | 7.12    | 7.20    | 7.09    | 7.30    | 7.20    | 7.17    | 7.15    | 7.32    | 7.24    | 7.57    | 7.53    | 7.71    | 7.54   | 7.40   | NA*    | 7.40    | 7.45    | 7.57    | 7.51    | 7.61    | 7.50    | 7.56    | 7.47    |        |
| Total Dissolved Solids (Lab) | mg/L   | 515     | 545     | 545     | 575     | 550     | 575     | 695     | 655     | 690     | 695     | 730     | 665     | 685     | 660     | 655     | 685     | 655     | 605     | 645     | 680     | 695    | 770    | 775    | 855     | 745     | 660     | 670     | 680     | 690     | 660     | 725     |        |
| Calcium                      | mg/L   | 70.1    | 70.2    | 72.7    | 70.4    | 78.7    | 81.3    | 87.1    | 83.3    | 99.4    | 87.2    | 92.2    | 90.1    | 90.0    | 97.9    | 81.2    | 76.8    | 80.1    | 76.0    | 79.1    | 84.6    | 84.1   | 76.4   | 101.0  | 98.9    | 88.3    | 73.4    | 80.4    | 84.3    | 82.6    | 78.6    | 78.0    |        |
| Magnesium                    | mg/L   | 57.4    | 58.2    | 58.4    | 58.2    | 65.2    | 69.2    | 77.6    | 74.0    | 86.3    | 78.2    | 83.7    | 81.3    | 83.7    | 92.2    | 79.2    | 75.6    | 77.9    | 75.3    | 80.0    | 82.5    | 84.3   | 75.8   | 94.7   | 97.0    | 87.8    | 76.8    | 82.3    | 83.2    | 84.7    | 81.4    | 83.7    |        |
| Sodium                       | mg/L   | 19.4    | 19.2    | 19.6    | 19.1    | 21.3    | 22.1    | 23.4    | 21.4    | 25.5    | 23.3    | 24.5    | 23.8    | 24.5    | 26.9    | 23.4    | 23.1    | 23.3    | 23.3    | 24.9    | 26.1    | 62.7   | 24.6   | 30.7   | 33.8    | 29.3    | 27.0    | 28.6    | 30.1    | 30.7    | 29.1    | 30.1    |        |
| Potassium                    | mg/L   | 1.76    | 1.68    | 2.00    | 1.82    | 2.08    | 1.97    | 1.94    | 2.06    | 2.40    | 2.04    | 2.00    | 2.06    | 2.22    | <5.00   | 1.94    | <5.00   | 2.12    | 2.01    | 1.99    | 2.28    | 2.42   | <2.00  | 2.51   | 2.80    | 2.26    | 2.02    | 2.07    | 2.30    | 2.39    | 2.27    | 2.51    |        |
| Alkalinity, Total            | mg/L   | 333     | 350     | 380     | 328     | 340     | 395     | 460     | 365     | 348     | 324     | 324     | 345     | 341     | 385     | 375     | 380     | 540     | 372     | 385     | 288     | 358    | 379    | 395    | 379     | 390     | 372     | 385     | 400     | 420     | 415     | 390     |        |
| Alkalinity, Bicarbonate      | mg/L   | 333     | 350     | 380     | 328     | 340     | 395     | 460     | 365     | 348     | 324     | 324     | 345     | 333     | 385     | 375     | 380     | 540     | 372     | 385     | 288     | 358    | 379    | 395    | 379     | 390     | 372     | 385     | 400     | 420     | 415     | 390     |        |
| Alkalinity, Carbonate        | mg/L   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0  | <10.0  | <10.0  | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   |        |
| Alkalinity, Hydroxide        | mg/L   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0  | <10.0  | <10.0  | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   |        |
| Chloride                     | mg/L   | 24.70   | 27.20   | 34.50   | 34.10   | 39.30   | 40.10   | 42.90   | 45.20   | 47.20   | 48.90   | 50.30   | 44.80   | 44.60   | 46.00   | 45.90   | 37.00   | 44.30   | 41.10   | 38.10   | 41.90   | 53.10  | 49.20  | 54.40  | 52.00   | 46.90   | 43.00   | 44.10   | 43.40   | 41.30   | 46.10   | 50.70   |        |
| Fluoride                     | mg/L   | 0.244   | 0.224   | 0.259   | 0.281   | 0.263   | 0.244   | 0.246   | 0.221   | <0.500  | <0.500  | <0.500  | 0.254   | 0.248   | 0.216   | 0.236   | <0.500  | 0.210   | 0.251   | 0.217   | 0.229   | 0.268  | 0.262  | 0.210  | 0.220   | <0.200  | <0.200  | 0.236   | 0.234   | 0.244   | 0.268   | 0.222   |        |
| Sulfate as SO4               | mg/L   | 104.0   | 102.0   | 112.0   | 111.0   | 137.0   | 138.0   | 196.0   | 189.0   | 182.0   | 199.0   | 230.0   | 204.0   | 219.0   | 190.0   | 199.0   | 186.0   | 176.0   | 187.0   | 160.0   | 190.0   | 235.0  | 224.0  | 258.0  | 239.0   | 214.0   | 195.0   | 199.0   | 196.0   | 185.0   | 193.0   | 208.0   |        |
| Total Organic Carbon (TOC)   | mg/L   | 2.10    | 2.02    | 2.06    | 1.93    | 2.08    | 1.87    | 2.69    | 2.28    | 1.99    | 1.80    | 1.84    | 1.87    | 1.74    | 2.18    | 1.74    | 1.77    | 1.73    | 1.73    | 1.56    | 1.68    | 1.04   | 1.77   | 3.14   | 1.88    | 1.65    | 1.79    | 1.71    | 1.93    | 1.65    | 1.59    | 1.52    |        |
| Nitrate/Nitrite as N         | mg/L   | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | 0.029   | <0.020 | <0.020 | <0.020 | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  |        |
| Ammonia as N ^               | mg/L   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | <0.100  | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA     | NA     | NA     | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA     |
| Ortho-Phosphate as P ^       | mg/L   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | <0.0500 | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA     | NA     | NA     | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA     |
| Aluminum                     | mg/L   | <0.050  | <0.050  | <0.050  | <0.050  | <0.050  | <0.050  | <0.050  | <0.050  | <0.050  | <0.050  | <0.050  | <0.100  | <0.050  | <0.250  | <0.050  | <0.250  | <0.050  | <0.050  | <0.050  | <0.050  | <0.100 | <0.100 | <0.100 | <0.100  | <0.100  | <0.100  | <0.100  | <0.100  | <0.050  | <0.050  | <0.050  | <0.050 |
| Arsenic                      | mg/L   | 0.0010  | 0.0009  | 0.0012  | 0.0012  | 0.0010  | 0.0012  | 0.0011  | 0.0012  | 0.0012  | 0.0011  | 0.0009  | <0.001  | 0.0013  | <0.0025 | 0.0009  | 0.0012  | <0.0025 | 0.0007  | 0.0005  | 0.0009  | 0.0015 | <0.001 | <0.001 | <0.0010 | <0.0010 | 0.0011  | <0.0020 | <0.0010 | <0.0010 | <0.0010 | <0.0020 |        |
| Cadmium                      | mg/L   | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.001 | <0.001 | <0.001 | <0.0010 | <0.0010 | <0.0005 | <0.0010 | <0.0005 | <0.0005 | <0.0005 | <0.0010 |        |
| Copper                       | mg/L   | 0.0056  | 0.0002  | 0.0006  | 0.0004  | 0.0003  | 0.0010  | 0.001   |         |         |         |         |         |         |         |         |         |         |         |         |         |        |        |        |         |         |         |         |         |         |         |         |        |



GCC Energy Hydrologic Monitoring Data

| MW-HGA-4                     |        |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |  |  |      |  |
|------------------------------|--------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|--|--|------|--|
| Year                         | 2018   |       |         |         |         | 2019    |         |         |         |         | 2020    |         |         |         |         | 2021    |         |         |         |         | 2022    |         |         |         |         | 2023    |         |         |         |         | 2024    |         |  |  |  | 2025 |  |
| Quarter                      | Q1     |       | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      |         |  |  |  |      |  |
| Month                        | 1      | 2     | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 12      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 12      | 3       | 5       | 8       | 11      | 2       | 6       | 8       | 11      | 2       | 5       |         |  |  |  |      |  |
| Sample Date                  | 1/3    | 2/22  | 5/15    | 8/9     | 11/8    | 2/28    | 5/23    | 8/16    | 11/13   | 2/13    | 5/13    | 8/26    | 12/14   | 2/22    | 5/19    | 8/12    | 11/12   | 2/28    | 5/9     | 8/9     | 12/16   | 3/28    | 5/18    | 8/18    | 11/29   | 2/26    | 6/20    | 8/20    | 11/24   | 2/8     | 5/30    |         |  |  |  |      |  |
| Lab Analysis (Y/N)           | N      | Y     | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       |         |  |  |  |      |  |
| Field Parameters:            |        |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |  |  |      |  |
| Purge Flow Rate              | gpm    | NM    | 0.10    | 1.50    | 2.00    | 1.00    | 1.12    | 1.00    | 1.00    | 0.25    | 1.00    | 0.25    | 0.13    | 0.25    | 0.13    | 0.25    | 0.25    | 0.25    | 0.25    | 0.50    | 0.08    | 0.23    | 0.10    | 0.05    | 0.08    | 0.08    | 0.06    | 0.05    | 0.08    | 0.08    | 0.01    |         |  |  |  |      |  |
| Total Purged                 | gal    | 19    | 21      | 21      | 19      | 21      | 24      | 22      | 21      | 21      | 22      | 21      | 20      | 21      | 21      | 20      | 22      | 21      | 21      | 22      | 0.5     | 0.4     | 0.5     | 0.25    | 0.2     | 0.2     | 0.2     | 0.2     | 0.2     | 0.2     | 0.2     | 0.2     |  |  |  |      |  |
| Depth to Water               | ft bgs | 1.37  | 0.55    | 2.60    | 3.98    | 1.90    | 0.49    | 0.42    | 1.95    | 1.15    | 0.38    | 2.36    | 3.80    | 1.75    | 0.90    | 2.91    | 3.95    | 2.33    | 0.95    | 2.02    | 1.61    | 0.92    | 0.47    | 1.03    | 4.05    | 0.85    | 0.35    | 3.05    | 0.65    | 1.29    | 0.85    | 1.62    |  |  |  |      |  |
| Temperature                  | deg C  | 8.8   | 7.8     | 8.1     | 8.7     | 8.8     | 7.6     | 7.7     | 8.5     | 8.8     | 7.9     | 7.4     | 9.2     | 8.6     | 7.8     | 8.2     | 8.9     | 9.2     | 8.3     | 8.1     | 9.2     | 9.1     | 8.2     | 10.0    | 11.5    | 8.3     | 8.8     | 10.0    | 13.5    | 8.9     | 9.0     | 11.6    |  |  |  |      |  |
| pH                           | SU     | 7.33  | 7.30    | 7.18    | 7.27    | 7.05    | 7.15    | 7.18    | 7.16    | 7.09    | 7.12    | 7.23    | 7.28    | 7.31    | 7.29    | 7.34    | 7.37    | 7.31    | 7.25    | 7.28    | 7.19    | 6.93    | 7.62    | 7.45    | 7.53    | 7.49    | 7.49    | 7.26    | 7.29    | 7.32    | 7.21    | 7.24    |  |  |  |      |  |
| Specific Conductance         | µS/cm  | 1141  | 1154    | 1098    | 1057    | 1167    | 1183    | 1102    | 1083    | 1127    | 1122    | 1093    | 1022    | 1158    | 975     | 1093    | 1108    | 1160    | 1197    | 1102    | 1198    | 970     | 1003    | 955     | 908     | 993     | 970     | 917     | 909     | 955     | 1005    | 876     |  |  |  |      |  |
| Oxygen Reduction Potential   | mV     | -96.6 | -157.3  | -130.9  | -230.8  | -190.9  | -128.3  | -140.7  | -130.9  | -104.9  | -107.8  | -86.7   | -61.1   | -64.7   | -67.9   | -116.8  | -104.9  | -105.8  | -185.5  | -113.0  | -273.0  | -198.3  | -129.2  | -125.2  | -165.3  | -212.7  | -216.3  | -155.2  | -167.8  | -219.3  | -156.2  | -140.1  |  |  |  |      |  |
| Lab Analytical Results:      |        |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |  |  |      |  |
| Hardness as CaCO3            | mg/L   |       | 561     | 555     | 524     | 625     | 613     | 563     | 544     | 624     | 563     | 528     | 571     | 612     | 630     | 582     | 515     | 627     | 598     | 574     | 653     | 328     | 423     | 448     | 467     | 424     | 410     | 430     | 438     | 446     | 432     | 460     |  |  |  |      |  |
| pH (Lab)                     | SU     |       | 7.58    | 8.15    | 7.33    | 7.12    | 7.20    | 8.17    | 6.95    | 6.88    | 6.78    | 6.89    | 7.07    | 6.95    | 7.38    | 6.89    | 7.05    | 7.03    | 7.22    | 7.26    | 7.20    | 7.63    | 7.08    | 7.37    | 7.33    | 7.41    | 7.39    | 7.38    | 7.34    | 7.36    | 7.31    | 7.29    |  |  |  |      |  |
| Total Dissolved Solids (Lab) | mg/L   |       | 740     | 730     | 695     | 770     | 795     | 695     | 695     | 715     | 705     | 685     | 700     | 665     | 685     | 680     | 735     | 790     | 790     | 785     | 745     | 400     | 555     | 545     | 525     | 555     | 570     | 525     | 575     | 535     | 505     | 290     |  |  |  |      |  |
| Calcium                      | mg/L   |       | 110.0   | 108.0   | 102.0   | 124.0   | 122.0   | 110.0   | 106.0   | 123.0   | 112.0   | 101.0   | 111.0   | 122.0   | 126.0   | 114.0   | 98.7    | 125.0   | 119.0   | 110.0   | 130.0   | 65.8    | 78.5    | 84.9    | 88.1    | 79.3    | 75.3    | 81.1    | 81.7    | 83.6    | 81.2    | 84.8    |  |  |  |      |  |
| Magnesium                    | mg/L   |       | 69.3    | 69.0    | 65.4    | 76.5    | 74.7    | 70.3    | 67.9    | 76.8    | 68.9    | 67.0    | 71.7    | 74.9    | 76.8    | 72.0    | 65.2    | 76.6    | 72.9    | 72.5    | 79.9    | 39.7    | 55.1    | 57.2    | 59.9    | 54.9    | 54.0    | 55.3    | 56.8    | 57.7    | 55.6    | 60.3    |  |  |  |      |  |
| Sodium                       | mg/L   |       | 26.5    | 30.4    | 29.9    | 27.6    | 27.0    | 28.6    | 28.3    | 31.9    | 27.9    | 30.3    | 30.5    | 26.8    | 28.4    | 27.4    | 26.4    | 23.1    | 23.9    | 28.1    | 27.1    | 14.9    | 36.9    | 39.4    | 41.5    | 38.0    | 37.3    | 38.1    | 38.5    | 40.4    | 38.6    | 40.6    |  |  |  |      |  |
| Potassium                    | mg/L   |       | 2.17    | 2.22    | 2.33    | 2.13    | 2.16    | 2.00    | 2.10    | 2.38    | 2.05    | 2.06    | 2.08    | 2.11    | 2.24    | 2.03    | <5.00   | <5.00   | 1.82    | 2.02    | 2.13    | 3.07    | 2.16    | 2.40    | 2.56    | 2.21    | 2.14    | 2.17    | 2.22    | 2.24    | 2.21    | 2.45    |  |  |  |      |  |
| Alkalinity, Total            | mg/L   |       | 460     | 425     | 410     | 460     | 455     | 445     | 455     | 432     | 435     | 416     | 485     | 457     | 475     | 465     | 470     | 580     | 470     | 435     | 500     | 245     | 460     | 420     | 361     | 370     | 390     | 410     | 425     | 410     | 415     | 410     |  |  |  |      |  |
| Alkalinity, Bicarbonate      | mg/L   |       | 460     | 425     | 410     | 460     | 455     | 445     | 455     | 432     | 435     | 416     | 485     | 457     | 475     | 465     | 470     | 580     | 470     | 435     | 500     | 245     | 460     | 420     | 361     | 370     | 390     | 410     | 425     | 410     | 415     | 410     |  |  |  |      |  |
| Alkalinity, Carbonate        | mg/L   |       | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   |  |  |  |      |  |
| Alkalinity, Hydroxide        | mg/L   |       | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   |  |  |  |      |  |
| Chloride                     | mg/L   |       | 8.43    | 7.57    | 6.47    | 9.40    | 10.50   | 8.06    | 8.44    | 9.46    | 8.39    | 7.64    | 8.78    | 10.10   | 9.65    | 9.41    | 11.10   | 13.90   | 12.00   | 10.20   | 14.60   | 28.70   | 3.40    | 3.41    | 3.62    | 3.56    | 3.63    | 3.72    | 3.58    | 3.45    | 3.55    | 3.39    |  |  |  |      |  |
| Fluoride                     | mg/L   |       | 0.496   | 0.459   | 0.482   | 0.487   | 0.484   | 0.456   | 0.443   | 0.520   | 0.447   | 0.449   | 0.431   | 0.473   | 0.424   | 0.434   | <0.500  | 0.420   | 0.472   | 0.413   | 0.450   | 0.231   | 0.397   | 0.357   | 0.374   | 0.331   | 0.342   | 0.403   | 0.403   | 0.408   | 0.469   | 0.413   |  |  |  |      |  |
| Sulfate as SO4               | mg/L   |       | 222.0   | 190.0   | 169.0   | 201.0   | 221.0   | 186.0   | 212.0   | 190.0   | 193.0   | 181.0   | 179.0   | 187.0   | 191.0   | 184.0   | 194.0   | 199.0   | 216.0   | 183.0   | 215.0   | 99.5    | 150.0   | 161.0   | 158.0   | 143.0   | 142.0   | 146.0   | 145.0   | 151.0   | 155.0   | 152.0   |  |  |  |      |  |
| Total Organic Carbon (TOC)   | mg/L   |       | 4.56    | 4.57    | 4.30    | 4.72    | 4.82    | 4.45    | 4.58    | 4.35    | 4.80    | 4.30    | 4.56    | 4.67    | 4.31    | 4.36    | 4.55    | 4.84    | 5.47    | 4.21    | 4.64    | 0.96    | 4.32    | 6.87    | 4.55    | 3.84    | 4.98    | 4.00    | 4.52    | 4.12    | 4.72    | 3.88    |  |  |  |      |  |
| Nitrate/Nitrite as N         | mg/L   |       | <0.020  | <0.020  | <0.020  | <0.020  | 0.173   | <0.020  | <0.020  | <0.020  | <0.020  | <0.100  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | 0.073   | <0.020  | <5.00   | <0.100  | <0.020  | <0.020  | 0.423   | <0.020  | <0.100  | <0.020  | <0.020  |  |  |  |      |  |
| Ammonia as N ^               | mg/L   |       | NA      | NA      | NA      | NA      | NA      | NA      | NA      | 0.528   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |  |  |  |      |  |
| Ortho-Phosphate as P ^       | mg/L   |       | NA      | NA      | NA      | NA      | NA      | NA      | NA      | <0.0500 | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |  |  |  |      |  |
| Aluminum                     | mg/L   |       | <0.050  | <0.050  | <0.050  | <0.050  | <0.050  | <0.050  | <0.050  | <0.050  | <0.100  | <0.100  | <0.100  | <0.050  | <0.050  | <0.050  | <0.250  | <0.250  | <0.050  | <0.050  | <0.050  | <0.050  | <0.100  | <0.050  | <0.100  | <0.100  | <0.050  | <0.100  | <0.050  | <0.050  | <0.050  | <0.050  |  |  |  |      |  |
| Arsenic                      | mg/L   |       | 0.0037  | 0.0034  | 0.0036  | 0.0032  | 0.0031  | 0.0029  | 0.0028  | 0.0033  | 0.0022  | 0.0025  | 0.0026  | 0.0038  | 0.0036  | 0.0033  | 0.0034  | 0.0027  | 0.0036  | 0.0031  | 0.0034  | 0.0005  | 0.0041  | 0.0040  | 0.0040  | 0.0039  | 0.0040  | 0.0027  | 0.0039  | 0.0033  | 0.0031  | 0.0032  |  |  |  |      |  |
| Cadmium                      | mg/L   |       | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0002 | <0.0002 | <0.0001 | <0.0001 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0010 | <0.0005 | <0.0010 | <0.0010 | <0.0005 | <0.0010 | <0.0005 | <0.0005 | <0.0005 | <0.0005 |  |  |  |      |  |
| Copper                       | mg/L   |       | 0.0006  | 0.0008  | 0.0004  | 0.0008  | <0.0010 | 0.0003  | 0.0004  | 0.0002  | 0.0005  | <0.0010 | <0.0010 | <0.0005 | 0.0006  | 0.0007  | 0.0009  | <0.0025 | <0.0005 | 0.0010  | 0.0005  | 0.0068  | <0.0010 | 0.0027  | <0.0010 | <0.0040 | 0.0018  | <0.0020 | 0.0013  | 0.0023  | 0.0012  | 0.0027  |  |  |  |      |  |
| Iron                         | mg/L   |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |  |  |      |  |

GCC Energy Hydrologic Monitoring Data

| MW-1-A                       |        |        |         |        |        |         |      |        |         |         |         |         |         |         |         |         |         |         |         |         |         |        |         |         |        |        |         |         |          |          |          |          |          |          |          |          |  |  |  |      |  |
|------------------------------|--------|--------|---------|--------|--------|---------|------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|--------|--------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|--|--|--|------|--|
| Year                         | 2018   |        |         |        |        |         |      |        |         | 2019    |         |         |         |         | 2020    |         |         |         |         | 2021    |         |        |         |         | 2022   |        |         |         |          | 2023     |          |          |          |          | 2024     |          |  |  |  | 2025 |  |
| Quarter                      | Q1     |        |         | Q2     |        |         | Q3   |        |         | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4     | Q1      | Q2      | Q3     | Q4     | Q1      | Q2      | Q3       | Q4       | Q1       | Q2       | Q3       | Q4       | Q1       | Q2       |  |  |  |      |  |
| Month                        | 1      | 2      | 3       | 4      | 5      | 6       | 7    | 8      | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 9       | 11      | 2       | 5       | 8       | 11      | 3      | 6       | 9       | 12     | 3      | 6       | 8       | 11       | 3        | 6        | 8        | 11       | 1        | 5        |          |  |  |  |      |  |
| Sample Date                  | 1/2    | 2/9    | 3/22    | 4/11   | 5/10   | --      | 7/23 | 8/7    | 11/1    | 2/20    | 5/30    | 8/14    | 11/5    | 2/12    | 5/28    | 9/1     | 11/16   | 2/15    | 5/20    | 8/23    | 11/17   | 3/17   | 6/14    | 9/12    | 12/4   | 3/18   | 6/14    | 8/16    | 11/14    | 3/17     | 6/19     | 8/6      | 11/18    | 1/25     | 5/13     |          |  |  |  |      |  |
| Lab Analysis (Y/N)           | N      | Y      | N       | N      | Y      | N       | N    | Y      | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y      | Y       | Y       | Y      | Y      | Y       | Y       | Y        | Y        | Y        | Y        | Y        | Y        | Y        |          |  |  |  |      |  |
| Field Parameters:            |        |        |         |        |        |         |      |        |         |         |         |         |         |         |         |         |         |         |         |         |         |        |         |         |        |        |         |         |          |          |          |          |          |          |          |          |  |  |  |      |  |
| Purge Flow Rate              | gpm    | NM     | 0.10    | NM     | 0.10   | 0.10    | ***  | 0.12   | 0.10    | 0.09    | 0.12    | 0.12    | 0.06    | 0.25    | 0.25    | 0.25    | 0.13    | 0.13    | 0.13    | 0.13    | 0.25    | 0.25   | 0.25    | 0.25    | 0.15   | 0.25   | 0.08    | 0.10    | 0.10     | 0.18     | 0.10     | 0.11     | 0.10     | 0.09     | 0.17     | 0.05     |  |  |  |      |  |
| Total Purged                 | gal    | 1.5    | 2.0     | 1.5    | 1.0    | 1.3     |      | 1.5    | 1.5     | 1.6     | 1.0     | 1.5     | 1.1     | 1.5     | 1.0     | 1.0     | 1.0     | 1.3     | 1.0     | 2.0     | 1.0     | 1.3    | 1.0     | 1.0     | 1.0    | 0.8    | 0.8     | 0.8     | 0.8      | 0.8      | 0.8      | 0.8      | 0.8      | 0.8      | 0.8      | 0.8      |  |  |  |      |  |
| Depth to Water               | ft bgs | 216.21 | 216.47  | 216.47 | 216.54 | 216.54  |      | 216.63 | 216.63  | 216.65  | 216.55  | 216.43  | 216.33  | 216.13  | 216.05  | 215.85  | 215.56  | 215.80  | 215.60  | 215.53  | 215.71  | 215.65 | 215.55  | 216.15  | 215.65 | 215.70 | 215.60  | 215.20  | 215.35   | 215.30   | 215.25   | 215.15   | 215.55   | 215.23   | 215.22   | 214.70   |  |  |  |      |  |
| Temperature                  | deg C  | 9.5    | 9.0     | 8.7    | 9.6    | 9.2     |      | 9.9    | 10.0    | 8.9     | 7.5     | 10.3    | 9.6     | 9.7     | 8.1     | 9.1     | 9.6     | 9.4     | 8.4     | 9.6     | 10.1    | 9.2    | 9.5     | 10.2    | 10.5   | 9.0    | 8.6     | 10.8    | 11.0     | 9.0      | 7.8      | 10.4     | 10.0     | 8.8      | 8.1      | 10.0     |  |  |  |      |  |
| pH                           | SU     | 7.19   | 7.37    | 7.28   | 6.80   | 6.97    |      | 6.99   | 7.05    | 7.01    | 7.13    | 6.96    | 7.05    | 7.00    | 7.13    | 7.18    | 7.22    | 7.24    | 7.19    | 7.30    | 7.35    | 7.17   | 7.22    | 7.31    | 7.29   | 6.82   | 7.34    | 7.49    | 7.37     | 7.54     | 7.60     | 6.97     | 7.14     | 7.05     | 7.15     | 7.22     |  |  |  |      |  |
| Specific Conductance         | µS/cm  | 1700   | 1723    | 1735   | 1647   | 1761    |      | 1734   | 1815    | 1781    | 1776    | 1681    | 1757    | 1737    | 1797    | 1855    | 1664    | 1670    | 1550    | 1647    | 1691    | 1792   | 1707    | 1717    | 1770   | 1733   | 1780    | 1676    | 1745     | 1738     | 1754     | 1656     | 1722     | 1710     | 1785     | 1436     |  |  |  |      |  |
| Oxygen Reduction Potential   | mV     | -44.6  | -52.8   | -37.5  | 142.4  | 0.4     |      | -26.4  | -33.2   | 101.4   | -11.8   | 25.4    | -18.7   | 3.6     | 12.7    | 4.2     | -20.1   | 111.4   | 23.8    | -13.4   | -6.5    | 38.2   | -110.5  | -51.9   | -159.7 | -29.9  | 4.8     | 93.8    | 4.0      | -32.1    | -63.1    | -27.3    | -59.6    | -64.5    | -11.5    | -32.8    |  |  |  |      |  |
| Lab Analytical Results:      |        |        |         |        |        |         |      |        |         |         |         |         |         |         |         |         |         |         |         |         |         |        |         |         |        |        |         |         |          |          |          |          |          |          |          |          |  |  |  |      |  |
| Hardness as CaCO3            | mg/L   |        | 159     |        |        | 156     |      |        | 160     | 174     | 159     | 153     | 148     | 150     | 159     | 165     | 161     | 168     | 168     | 150     | 158     | 157    | 152     | 149     | 146    | 172    | 174     | 158     | 150      | 166      | 160      | 171      | 161      | 154      | 163      | 167      |  |  |  |      |  |
| pH (Lab)                     | SU     |        | 7.22    |        |        | 7.45    |      |        | 7.17    | 7.27    | 7.13    | 7.03    | 7.14    | 6.92    | 7.19    | 6.91    | 7.23    | 7.17    | 7.22    | 7.13    | 7.10    | 7.05   | 7.30    | 7.15    | 7.36   | 7.37   | 7.01    | 7.20    | 7.38     | 7.39     | 6.95     | 7.24     | 7.32     | 7.27     | 7.34     | 7.18     |  |  |  |      |  |
| Total Dissolved Solids (Lab) | mg/L   |        | 1100    |        |        | 1150    |      |        | 1040    | 1130    | 1160    | 1150    | 1150    | 1140    | 1190    | 1150    | 1150    | 1170    | 1250    | 1150    | 1190    | 1150   | 1140    | 1140    | 1150   | 1050   | 1150    | 1180    | 1200     | 1110     | 1120     | 1110     | 1100     | 1060     | 1100     | 990      |  |  |  |      |  |
| Calcium                      | mg/L   |        | 30.5    |        |        | 29.7    |      |        | 30.9    | 34.0    | 31.2    | 29.8    | 27.9    | 29.0    | 30.9    | 31.6    | 30.6    | 32.8    | 32.1    | 28.3    | 29.9    | 30.0   | 28.5    | 28.0    | 27.4   | 32.6   | 33.2    | 29.9    | 27.7     | 31.2     | 30.4     | 33.0     | 30.6     | 28.8     | 30.8     | 31.5     |  |  |  |      |  |
| Magnesium                    | mg/L   |        | 20.1    |        |        | 19.9    |      |        | 20.1    | 21.5    | 19.7    | 19.1    | 18.9    | 18.8    | 19.9    | 20.8    | 20.6    | 20.9    | 21.4    | 19.2    | 20.3    | 20.0   | 19.7    | 19.2    | 18.7   | 21.9   | 22.0    | 20.2    | 19.6     | 21.3     | 20.3     | 21.5     | 20.6     | 19.9     | 20.9     | 21.4     |  |  |  |      |  |
| Sodium                       | mg/L   |        | 348.0   |        |        | 327.0   |      |        | 333.0   | 358.0   | 357.0   | 319.0   | 348.0   | 333.0   | 337.0   | 349.0   | 348.0   | 353.0   | 357.0   | 314.0   | 333.0   | 340.0  | 321.0   | 319.0   | 318.0  | 361.0  | 351.0   | 345.0   | 333.0    | 324.0    | 336.0    | 358.0    | 327.0    | 341.0    | 331.0    | 333.0    |  |  |  |      |  |
| Potassium                    | mg/L   |        | <5.00   |        |        | 2.12    |      |        | 2.23    | 2.47    | 2.34    | 2.18    | 2.29    | 2.12    | 2.13    | <5.00   | 2.29    | <3.00   | <5.00   | 2.18    | <5.00   | 2.34   | 2.23    | 2.01    | 2.12   | 2.11   | <5.00   | 2.15    | < 5.00   | < 2.00   | 2.14     | 2.22     | 2.35     | 2.15     | < 5.00   | < 5.00   |  |  |  |      |  |
| Alkalinity, Total            | mg/L   |        | 415     |        |        | 353     |      |        | 385     | 395     | 375     | 355     | 368     | 420     | 360     | 340     | 325     | 366     | 400     | 400     | 370     | 440    | 405     | 425     | 410    | 361    | 372     | 391     | 368      | 375      | 370      | 385      | 410      | 420      | 425      | 387      |  |  |  |      |  |
| Alkalinity, Bicarbonate      | mg/L   |        | 415     |        |        | 353     |      |        | 385     | 395     | 375     | 355     | 368     | 420     | 360     | 340     | 325     | 366     | 400     | 400     | 370     | 440    | 405     | 425     | 410    | 361    | 372     | 391     | 368      | 375      | 370      | 385      | 410      | 420      | 425      | 387      |  |  |  |      |  |
| Alkalinity, Carbonate        | mg/L   |        | <10.0   |        |        | <10.0   |      |        | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0  | <10.0   | <10.0   | <10.0  | <10.0  | <10.0   | < 10.0  | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   |          |  |  |  |      |  |
| Alkalinity, Hydroxide        | mg/L   |        | <10.0   |        |        | <10.0   |      |        | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0  | <10.0   | <10.0   | <10.0  | <10.0  | <10.0   | < 10.0  | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   |          |  |  |  |      |  |
| Chloride                     | mg/L   |        | 2.19    |        |        | <5.00   |      |        | 2.12    | 2.20    | 2.74    | 2.33    | 2.72    | 2.66    | 2.74    | 2.71    | 2.74    | 2.88    | 2.73    | 2.34    | 2.78    | <5.00  | 2.80    | 2.46    | 2.59   | 2.40   | 2.49    | 2.71    | 2.55     | 2.50     | 2.57     | 2.59     | < 5.00   | 2.52     | < 5.00   | 2.45     |  |  |  |      |  |
| Fluoride                     | mg/L   |        | 0.240   |        |        | <0.5    |      |        | 0.260   | 0.240   | 0.266   | 0.242   | 0.252   | 0.246   | 0.234   | 0.228   | 0.240   | 0.264   | 0.212   | 0.223   | 0.240   | <0.5   | <0.200  | 0.250   | 0.254  | 0.246  | 0.262   | 0.198   | 0.224    | < 0.200  | 0.250    | 0.248    | < 0.500  | 0.290    | < 0.500  | 0.227    |  |  |  |      |  |
| Sulfate as SO4               | mg/L   |        | 518.0   |        |        | 522.0   |      |        | 515.0   | 511.0   | 508.0   | 494.0   | 537.0   | 495.0   | 506.0   | 532.0   | 510.0   | 508.0   | 553.0   | 531.0   | 507.0   | 458.0  | 503.0   | 516.0   | 532.0  | 517.0  | 562.0   | 607.0   | 587.0    | 510.0    | 557.0    | 552.0    | 493.0    | 477.0    | 537.0    | 507.0    |  |  |  |      |  |
| Total Organic Carbon (TOC)   | mg/L   |        | 1.51    |        |        | 1.54    |      |        | 1.60    | 1.75    | 1.61    | 1.67    | 1.59    | 1.50    | 1.55    | 1.55    | 1.49    | 1.57    | 1.58    | 1.49    | 1.57    | 1.51   | 1.56    | 1.41    | 1.39   | 1.41   | 1.63    | 1.76    | 1.55     | 1.55     | 1.66     | 1.53     | 1.49     | 1.61     | 1.83     | 1.46     |  |  |  |      |  |
| Nitrate/Nitrite as N         | mg/L   |        | <0.020  |        |        | <0.020  |      |        | <0.020  | 0.028   | <0.020  | <0.020  | <0.020  | 0.020   | <0.020  | 0.046   | <0.020  | <0.020  | <0.020  | <0.020  | 0.036   | <0.020 | <0.020  | <0.020  | <0.020 | <0.020 | <0.040  | < 0.020 | < 0.020  | < 0.020  | < 0.020  | < 0.020  | 0.722    | < 0.020  | < 0.020  | < 0.020  |  |  |  |      |  |
| Ammonia as N ^               | mg/L   |        | NA      |        |        | NA      |      |        | NA      | NA      | NA      | NA      | NA      | 0.387   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA     | NA      | NA      | NA     | NA     | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       |  |  |  |      |  |
| Ortho-Phosphate as P ^       | mg/L   |        | NA      |        |        | NA      |      |        | NA      | NA      | NA      | NA      | NA      | <0.0500 | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA     | NA      | NA      | NA     | NA     | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       |  |  |  |      |  |
| Aluminum                     | mg/L   |        | <0.250  |        |        | <0.050  |      |        | <0.050  | <0.100  | <0.100  | <0.050  | <0.050  | <0.050  | <0.100  | <0.250  | <0.050  | <0.050  | <0.250  | <0.050  | <0.250  | <0.100 | <0.050  | <0.050  | <0.100 | <0.100 | <0.250  | <0.250  | < 0.250  | < 0.100  | < 0.100  | < 0.100  | < 0.050  | < 0.050  | < 0.250  | < 0.250  |  |  |  |      |  |
| Arsenic                      | mg/L   |        | <0.0025 |        |        | <0.0005 |      |        | <0.0005 | <0.0005 | <0.0010 | <0.0005 | <0.0005 | <0.0005 | <0.0010 | <0.0010 | <0.0025 | <0.0005 | <0.0015 | <0.0015 | <0.0025 | <0.001 | <0.0005 | <0.0005 | <0.001 | <0.001 | <0.0025 | <0.0025 | < 0.0025 | < 0.0010 | < 0.0020 | < 0.0020 | < 0.0010 | < 0.0010 | < 0.0050 | < 0.0020 |  |  |  |      |  |
| Cadmium                      | mg/L   |        | <0.0005 |        |        | <0.0001 |      |        | <0.0001 | <0.0001 | <0.0002 | <0.0001 | <0.0001 | <0.0001 | <0.0002 | <0.0002 | <0.0005 | <0.0001 | <0.0003 | <0.0015 | <0.0025 | <0.001 | <0.0005 | <0.0005 | <0.001 | <0.001 | <0.0025 | <0.0025 | < 0.0025 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0005 | < 0.0005 | < 0.0025 | < 0.0010 |  |  |  |      |  |
| Copper                       | mg/L   |        | 0.0     |        |        |         |      |        |         |         |         |         |         |         |         |         |         |         |         |         |         |        |         |         |        |        |         |         |          |          |          |          |          |          |          |          |  |  |  |      |  |

## GCC Energy Hydrologic Monitoring Data

| MW-1-MI                       |        |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
|-------------------------------|--------|------|-----|------|------|------|-----|------|-----|------|------|------|------|------|------|------|-----|-------|------|------|------|-------|------|------|------|------|------|------|------|-------|------|------|-----|-------|------|------|
| Year                          |        | 2018 |     |      |      |      |     |      |     | 2019 |      |      |      | 2020 |      |      |     | 2021  |      |      |      | 2022  |      |      |      | 2023 |      |      |      | 2024  |      |      |     | 2025  |      |      |
| Quarter                       |        | Q1   |     | Q2   |      | Q3   |     | Q4   | Q1  | Q2   | Q3   | Q4   | Q1   | Q2   | Q3   | Q4   | Q1  | Q2    | Q3   | Q4   | Q1   | Q2    | Q3   | Q4   | Q1   | Q2   | Q3   | Q4   | Q1   | Q2    |      |      |     |       |      |      |
| Month                         |        | 1    | 2   | 3    | 4    | 5    | 6   | 7    | 8   | 11   | 2    | 5    | 8    | 11   | 2    | 5    | 9   | 11    | 2    | 5    | 8    | 11    | 3    | 6    | 9    | 12   | 3    | 6    | 8    | 11    | 1    | 5    |     |       |      |      |
| Sample Date                   |        | 1/2  | 2/9 | 3/22 | 4/11 | 5/10 | --  | 7/23 | 8/7 | 11/1 | 2/20 | 5/30 | 8/14 | 11/5 | 2/12 | 5/28 | 9/1 | 11/16 | 2/15 | 5/20 | 8/23 | 11/17 | 3/17 | 6/14 | 9/12 | 12/4 | 3/18 | 6/14 | 8/16 | 11/14 | 3/17 | 6/19 | 8/6 | 11/18 | 1/25 | 5/13 |
| Lab Analysis (Y/N)            |        | N    | N   | N    | N    | N    | N   | N    | Y   | N    | N    | N    | N    | N    | N    | N    | N   | N     | N    | N    | N    | N     | N    | N    | N    | N    | N    | N    | N    | N     | N    | N    | N   | N     | N    |      |
| Field Parameters:             |        |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Purge Flow Rate               | gpm    | dry  | dry | dry  | dry  | dry  | *** | dry  | dry | dry  | dry  | dry  | dry  | dry  | dry  | dry  | dry | dry   | dry  | dry  | dry  | dry   | dry  | dry  | dry  | dry  | dry  | dry  | dry  | dry   | dry  | dry  | dry | dry   |      |      |
| Total Purged                  | gal    |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Depth to Water                | ft bgs |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Temperature                   | deg C  |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| pH                            | SU     |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Specific Conductance          | µS/cm  |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Oxygen Reduction Potential    | mV     |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Lab Analytical Results:       |        |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Hardness as CaCO3             | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| pH (Lab)                      | SU     |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Total Dissolved Solids (Lab)  | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Calcium                       | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Magnesium                     | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Sodium                        | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Potassium                     | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Alkalinity, Total             | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Alkalinity, Bicarbonate       | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Alkalinity, Carbonate         | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Alkalinity, Hydroxide         | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Chloride                      | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Fluoride                      | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Sulfate as SO4                | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Total Organic Carbon (TOC)    | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Nitrate/Nitrite as N          | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Aluminum                      | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Arsenic                       | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Cadmium                       | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Copper                        | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Iron                          | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Lead                          | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Manganese                     | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Mercury (dissolved)           | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Mercury (dissolved low-level) | ng/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Molybdenum                    | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Selenium                      | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Silica (SiO2)                 | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Silicon                       | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Uranium                       | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |
| Zinc                          | mg/L   |      |     |      |      |      |     |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |      |      |      |      |      |       |      |      |     |       |      |      |

**Notes & Definitions:**

*Historical data prior to 2018 can be found in earlier posted versions of this table*

\*\*\* *La Plata County stage 3 fire restrictions prevented sampling activity*

- |       |                             |    |                                                                                                                                                                                                                                                                                                                                                |
|-------|-----------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Y/N   | yes or no                   | 1. | "<" values denote that the quantification of that analyte is below the reporting level for the analytical laboratory, acceptable by environmental water quality laboratory industry standards.                                                                                                                                                 |
| gpm   | gallons per minute          | 2. | Total alkalinity is measured by titration with hydrochloric acid to a set pH point, reporting this value as an equivalent amount of calcium carbonate. This value is then partitioned into bicarbonate, carbonate and hydroxide depending on the initial pH of the sample solution, each components reported as equivalent CaCO <sub>3</sub> . |
| deg C | degrees Celsius             | 3. | Industry standard Quality Assurance/Quality Control (QA/QC) protocol are followed for this hydrologic monitoring program by both GCC Energy and the contracted environmental water quality analytical laboratories. QA/QC results are not shown in this table.                                                                                 |
| SU    | standard pH units           |    |                                                                                                                                                                                                                                                                                                                                                |
| µS/cm | microsiemens per centimeter |    |                                                                                                                                                                                                                                                                                                                                                |
| mV    | millivolts                  |    |                                                                                                                                                                                                                                                                                                                                                |
| mg/L  | milligram per liter         |    |                                                                                                                                                                                                                                                                                                                                                |
| pCi/L | picocuries per liter        |    |                                                                                                                                                                                                                                                                                                                                                |
| NM    | not measured (field)        |    |                                                                                                                                                                                                                                                                                                                                                |
| NA    | not analyzed (lab)          |    |                                                                                                                                                                                                                                                                                                                                                |
| ng/L  | nanogram per liter          |    |                                                                                                                                                                                                                                                                                                                                                |



GCC Energy Hydrologic Monitoring Data

| MW-1-C                        |        |        |         |        |        |         |      |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |      |      |       |      |      |     |       |      |      |
|-------------------------------|--------|--------|---------|--------|--------|---------|------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|------|-------|------|------|-----|-------|------|------|
| Year                          | 2018   |        |         |        |        |         |      |        |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |         | 2023    |      |      |       | 2024 |      |     |       | 2025 |      |
| Quarter                       | Q1     |        |         | Q2     |        | Q3      |      |        | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2   | Q3   | Q4    | Q1   | Q2   |     |       |      |      |
| Month                         | 1      | 2      | 3       | 4      | 5      | 6       | 7    | 8      | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 9       | 11      | 2       | 5       | 8       | 11      | 3       | 6       | 9       | 12      | 3       | 6    | 8    | 11    | 3    | 6    | 8   | 11    | 5    |      |
| Sample Date                   | 1/2    | 2/9    | 3/22    | 4/11   | 5/10   | --      | 7/23 | 8/7    | 11/18   | 2/20    | 5/30    | 8/14    | 11/5    | 2/12    | 5/28    | 9/1     | 11/16   | 2/15    | 5/20    | 8/23    | 11/17   | 3/17    | 6/14    | 9/12    | 12/4    | 3/19    | 6/14 | 8/16 | 11/14 | 3/17 | 6/19 | 8/6 | 11/18 | 1/25 | 5/13 |
| Lab Analysis (Y/N)            | N      | Y      | N       | N      | Y      | N       | N    | Y      | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | N       | N       | N    | N    | N     | N    | N    | N   | N     | N    |      |
| Field Parameters:             |        |        |         |        |        |         |      |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |      |      |       |      |      |     |       |      |      |
| Purge Flow Rate               | gpm    | MM     | 0.1     | NM     | 0.1    | 0.1     | ***  | 0.1    | 0.1     | 0.1     | 0.1     | 0.0     | 0.0     | 0.0     | 0.0     | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     | 0.0     | 0.1     | 0.1     | 0.1     | 0.2     | dry  | dry  | dry   | dry  | dry  | dry | dry   | dry  | dry  |
| Total Purged                  | gal    | 1      | 1       | 1      | 1      | 1       |      | 1      | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 2       | 1       | 1       | 1       | 1       | 1       | 1       |         |      |      |       |      |      |     |       |      |      |
| Depth to Water                | ft bgs | 216.38 | 216.38  | 216.37 | 216.35 | 216.41  |      | 216.41 | 216.05  | 216.04  | 216.41  | 216.20  | 216.02  | 216.04  | 216.12  | 216.10  | 216.41  | 216.66  | 216.66  | 216.66  | 216.66  | 216.66  | 216.66  | 216.66  | 216.04  |         |      |      |       |      |      |     |       |      |      |
| Temperature                   | deg C  | 9.7    | 9.6     | 6.7    | 9.2    | 10.5    |      | 20.0   | 14.1    | 9.7     | 5.4     | 9.8     | 10.4    | 11.1    | 6.4     | 9.5     | 11.2    | 9.7     | 7.0     | 10.7    | 12.1    | 10.1    | 7.7     | 12.3    | 12.7    | 7.4     |      |      |       |      |      |     |       |      |      |
| pH                            | SU     | 7.11   | 7.19    | 7.32   | 7.03   | 7.05    |      | 6.91   | 6.97    | 6.93    | 7.09    | 6.80    | 6.65    | 6.70    | 6.79    | 6.85    | 6.93    | 6.99    | 7.40    | 7.18    | 7.16    | 7.15    | 7.12    | 7.20    | 7.23    | 6.67    |      |      |       |      |      |     |       |      |      |
| Specific Conductance          | µS/cm  | 2778   | 2738    | 2751   | 2700   | 2749    |      | 2693   | 2675    | 2751    | 2621    | 3139    | 3172    | 3080    | 3005    | 3002    | 2653    | 2709    | 2410    | 2249    | 2290    | 2554    | 2223    | 2362    | 2278    | 2104    |      |      |       |      |      |     |       |      |      |
| Oxygen Reduction Potential    | mV     | 6.2    | -4.3    | -29.6  | -15.3  | -42.3   |      | -41.8  | -32.5   | -110.0  | -23.4   | 27.6    | 10.5    | 51.0    | 50.7    | -57.7   | 21.8    | 49.6    | 57.5    | -16.8   | 0.0     | -7.0    | -92.9   | -49.3   | -191.8  | -77.0   |      |      |       |      |      |     |       |      |      |
| Lab Analytical Results:       |        |        |         |        |        |         |      |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |      |      |       |      |      |     |       |      |      |
| Hardness as CaCO3             | mg/L   |        | 1190    |        |        | 1130    |      |        | 1120    | 1180    | 1010    | 1820    | 1840    | 1700    | 1600    | 1590    | 1400    | 1420    | 1320    | 953     | 975     | 920     | 750     | 766     | 638     | 640     |      |      |       |      |      |     |       |      |      |
| pH (Lab)                      | SU     |        | 7.22    |        |        | 7.20    |      |        | 7.20    | 7.02    | 7.24    | 6.93    | 6.67    | 6.63    | 6.80    | 6.62    | 6.83    | 7.12    | 7.08    | 6.86    | 7.04    | 6.89    | 7.22    | 7.06    | 7.40    | 6.98    |      |      |       |      |      |     |       |      |      |
| Total Dissolved Solids (Lab)  | mg/L   |        | 2360    |        |        | 2340    |      |        | 2170    | 2200    | 1960    | 2880    | 2890    | 2750    | 2610    | 2460    | 2420    | 2450    | 2330    | 1910    | 1850    | 1840    | 1680    | 1770    | 1640    | 1490    |      |      |       |      |      |     |       |      |      |
| Calcium                       | mg/L   |        | 219.0   |        |        | 203.0   |      |        | 203.0   | 219.0   | 188.0   | 340.0   | 342.0   | 318.0   | 301.0   | 294.0   | 248.0   | 265.0   | 241.0   | 175.0   | 178.0   | 168.0   | 142.0   | 137.0   | 113.0   | 117.0   |      |      |       |      |      |     |       |      |      |
| Magnesium                     | mg/L   |        | 156.0   |        |        | 150.0   |      |        | 148.0   | 154.0   | 131.0   | 237.0   | 240.0   | 219.0   | 207.0   | 207.0   | 189.0   | 183.0   | 173.0   | 126.0   | 129.0   | 122.0   | 95.7    | 103.0   | 86.6    | 84.4    |      |      |       |      |      |     |       |      |      |
| Sodium                        | mg/L   |        | 260.0   |        |        | 239.0   |      |        | 239.0   | 255.0   | 265.0   | 146.0   | 119.0   | 119.0   | 143.0   | 155.0   | 168.0   | 194.0   | 206.0   | 196.0   | 214.0   | 234.0   | 229.0   | 240.0   | 261.0   | 266.0   |      |      |       |      |      |     |       |      |      |
| Potassium                     | mg/L   |        | <5.00   |        |        | 3.07    |      |        | 3.04    | 2.65    | 3.13    | <5.00   | <5.00   | <5.00   | 3.05    | <5.00   | 2.82    | <5.00   | <5.00   | 2.68    | <5.00   | <3.00   | 2.68    | 2.48    | <5.00   | 2.27    |      |      |       |      |      |     |       |      |      |
| Alkalinity, Total             | mg/L   |        | 570     |        |        | 580     |      |        | 560     | 410     | 525     | 530     | 518     | 505     | 515     | 490     | 445     | 520     | 580     | 480     | 485     | 640     | 510     | 530     | 570     | 454     |      |      |       |      |      |     |       |      |      |
| Alkalinity, Bicarbonate       | mg/L   |        | 570     |        |        | 580     |      |        | 560     | 410     | 525     | 530     | 518     | 505     | 515     | 490     | 445     | 520     | 580     | 480     | 485     | 640     | 510     | 530     | 570     | 454     |      |      |       |      |      |     |       |      |      |
| Alkalinity, Carbonate         | mg/L   |        | <10.0   |        |        | <10.0   |      |        | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   |      |      |       |      |      |     |       |      |      |
| Alkalinity, Hydroxide         | mg/L   |        | <10.0   |        |        | <10.0   |      |        | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   |      |      |       |      |      |     |       |      |      |
| Chloride                      | mg/L   |        | 7.78    |        |        | 7.75    |      |        | 5.97    | 6.22    | 6.36    | 10.20   | 9.31    | 8.78    | 8.54    | 8.20    | 8.15    | 7.14    | 7.13    | 5.30    | 5.04    | 7.12    | 4.87    | 5.55    | 5.59    | 4.32    |      |      |       |      |      |     |       |      |      |
| Fluoride                      | mg/L   |        | 1.030   |        |        | 0.960   |      |        | 0.888   | 0.924   | 0.975   | 0.670   | 0.525   | 0.565   | 0.615   | 0.695   | 0.705   | 0.750   | 0.804   | 0.654   | 0.716   | 0.755   | 0.712   | 1.040   | 1.240   | 0.916   |      |      |       |      |      |     |       |      |      |
| Sulfate as SO4                | mg/L   |        | 1160.0  |        |        | 1210.0  |      |        | 1090.0  | 1080.0  | 1070.0  | 1630.0  | 1730.0  | 1520.0  | 1400.0  | 1370.0  | 1280.0  | 1180.0  | 1150.0  | 940.0   | 872.0   | 886.0   | 805.0   | 908.0   | 821.0   | 728.0   |      |      |       |      |      |     |       |      |      |
| Total Organic Carbon (TOC)    | mg/L   |        | 2.21    |        |        | 2.20    |      |        | 2.35    | 2.37    | 2.32    | 2.62    | 2.52    | 2.30    | 2.30    | 2.32    | 2.20    | 2.13    | 2.26    | 1.92    | 1.93    | 1.91    | 1.79    | 1.80    | 1.74    | 1.77    |      |      |       |      |      |     |       |      |      |
| Nitrate/Nitrite as N          | mg/L   |        | <0.020  |        |        | <0.020  |      |        | 0.036   | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  |      |      |       |      |      |     |       |      |      |
| Ammonia as N ^                | mg/L   |        | NA      |        |        | NA      |      |        | NA      | NA      | NA      | NA      | NA      | NA      | 0.140   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |      |      |       |      |      |     |       |      |      |
| Ortho-Phosphate as P ^        | mg/L   |        | NA      |        |        | NA      |      |        | NA      | NA      | NA      | NA      | NA      | <0.100  | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |      |      |       |      |      |     |       |      |      |
| Aluminum                      | mg/L   |        | <0.250  |        |        | <0.05   |      |        | <0.05   | <0.100  | <0.100  | <0.250  | <0.250  | <0.250  | <0.150  | <0.250  | <0.050  | <0.050  | <0.250  | <0.100  | <0.250  | <0.150  | <0.050  | <0.100  | <0.250  | <0.100  |      |      |       |      |      |     |       |      |      |
| Arsenic                       | mg/L   |        | <0.0025 |        |        | 0.0051  |      |        | 0.0052  | 0.0035  | 0.0038  | 0.0048  | 0.0034  | <0.0025 | <0.0025 | 0.0019  | <0.0025 | <0.0005 | <0.0025 | <0.0025 | <0.0025 | <0.0010 | 0.0009  | 0.0024  | 0.0028  | <0.0010 |      |      |       |      |      |     |       |      |      |
| Cadmium                       | mg/L   |        | <0.0005 |        |        | <0.0001 |      |        | <0.0001 | <0.0001 | <0.0002 | <0.0001 | <0.0002 | <0.0005 | <0.0005 | <0.0003 | <0.0005 | <0.0001 | <0.0005 | <0.0025 | <0.0025 | <0.0010 | <0.0005 | <0.001  | <0.0025 | <0.0010 |      |      |       |      |      |     |       |      |      |
| Copper                        | mg/L   |        | 0.0052  |        |        | 0.0030  |      |        | 0.0049  | 0.0033  | 0.0054  | 0.0057  | 0.0014  | 0.0096  | <0.0025 | <0.0015 | <0.0025 | <0.0005 | <0.0025 | 0.0042  | 0.0043  | 0.0064  | 0.0093  | 0.0086  | 0.0104  | 0.0120  |      |      |       |      |      |     |       |      |      |
| Iron                          | mg/L   |        | <0.250  |        |        | 0.643   |      |        | 1.010   | 1.120   | 0.988   | 2.300   | 0.819   | 0.543   | 0.570   | 0.606   | 0.619   | 0.855   | 0.769   | 0.552   | 0.573   | 0.724   | 0.630   | 0.671   | 0.679   | <0.100  |      |      |       |      |      |     |       |      |      |
| Lead                          | mg/L   |        | <0.0025 |        |        | <0.0005 |      |        | <0.0005 | <0.0005 | <0.0010 | <0.0005 | <0.0010 | <0.0025 | <0.0025 | <0.0015 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0010 | <0.0005 | <0.0010 | <0.0025 | <0.0010 |      |      |       |      |      |     |       |      |      |
| Manganese                     | mg/L   |        | 0.0989  |        |        | 0.1530  |      |        | 0.1400  | 0.1060  | 0.0807  | 0.0750  | 0.0562  | 0.0512  | 0.0537  | 0.0473  | 0.0445  | 0.0496  | 0.0482  | 0.0419  | 0.0383  | 0.0346  | 0.0362  | 0.0342  | 0.0304  | 0.0295  |      |      |       |      |      |     |       |      |      |
| Mercury (dissolved)           | mg/L   |        | <0.0002 |        |        | <0.0002 |      |        | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |         |      |      |       |      |      |     |       |      |      |
| Mercury (dissolved low-level) | ng/L   |        |         |        |        |         |      |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |      |      |       |      |      |     |       |      |      |
| Molybdenum                    | mg/L   |        | <0.0025 |        |        | 0.0006  |      |        | <0.0025 | <0.0005 | <0.0010 | <0.0005 | <0.0010 | <0.0025 | <0.0025 | <0.0015 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0010 | <0.0005 | <0.0010 | <0.0025 | <0.0010 |         |      |      |       |      |      |     |       |      |      |
| Selenium                      | mg/L   |        | <0.0050 |        |        | <0.001  |      |        | <0.0050 | 0.0011  | <0.0020 | 0.0016  | 0.0023  | <0.0050 | <0.0050 | <0.0030 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0020 | <0.0010 | <0.0020 | <0.0050 | <0.002  |         |      |      |       |      |      |     |       |      |      |
| Silica (SiO2)                 | mg/L   |        | 14.80   |        |        |         |      |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |      |      |       |      |      |     |       |      |      |

GCC Energy Hydrologic Monitoring Data

| MW-2-A                        |        |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
|-------------------------------|--------|-----|------|------|------|-----|------|------|------|------|------|------|------|-----|-------|------|------|------|-------|------|------|-----|------|------|------|------|-------|------|------|-----|-------|------|------|
| Year                          | 2018   |     |      |      |      |     |      | 2019 |      |      |      | 2020 |      |     |       | 2021 |      |      |       | 2022 |      |     |      | 2023 |      |      |       | 2024 |      |     |       | 2025 |      |
| Quarter                       | Q1     |     | Q2   |      | Q3   |     | Q4   | Q1   | Q2   | Q3   | Q4   | Q1   | Q2   | Q3  | Q4    | Q1   | Q2   | Q3   | Q4    | Q1   | Q2   | Q3  | Q4   | Q1   | Q2   | Q3   | Q4    | Q1   | Q2   | Q3  | Q4    |      |      |
| Month                         | 1      | 2   | 3    | 4    | 5    | 8   | 11   | 2    | 5    | 8    | 11   | 2    | 5    | 9   | 11    | 2    | 5    | 8    | 11    | 3    | 6    | 9   | 12   | 3    | 6    | 8    | 11    | 3    | 6    | 8   | 11    | 1    | 5    |
| Sample Date                   | 1/2    | 2/9 | 3/22 | 4/11 | 5/10 | 8/7 | 11/1 | 2/20 | 5/29 | 8/14 | 11/6 | 2/11 | 5/27 | 9/1 | 11/24 | 2/15 | 5/20 | 8/24 | 11/17 | 3/23 | 6/14 | 9/8 | 12/4 | 3/31 | 6/14 | 8/18 | 11/13 | 3/17 | 6/19 | 8/6 | 11/18 | 1/25 | 5/12 |
| Lab Analysis (Y/N)            | N      | N   | N    | N    | N    | N   | N    | N    | N    | N    | N    | N    | N    | N   | N     | N    | N    | N    | N     | N    | N    | N   | N    | N    | N    | N    | N     | N    | N    | N   | N     | N    |      |
| Field Parameters:             |        |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Purge Flow Rate               | gpm    | dry | dry  | dry  | dry  | dry | dry  | dry  | dry  | dry  | dry  | dry  | dry  | dry | dry   | dry  | dry  | dry  | dry   | dry  | dry  | dry | dry  | dry  | dry  | dry  | dry   | dry  | dry  | dry | dry   | dry  |      |
| Total Purged                  | gal    |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Depth to Water                | ft bgs |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Temperature                   | deg C  |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| pH                            | SU     |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Specific Conductance          | µS/cm  |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Oxygen Reduction Potential    | mV     |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Lab Analytical Results:       |        |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Hardness as CaCO3             | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| pH (Lab)                      | SU     |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Total Dissolved Solids (Lab)  | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Calcium                       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Magnesium                     | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Sodium                        | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Potassium                     | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Alkalinity, Total             | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Alkalinity, Bicarbonate       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Alkalinity, Carbonate         | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Alkalinity, Hydroxide         | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Chloride                      | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Fluoride                      | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Sulfate as SO4                | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Total Organic Carbon (TOC)    | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Nitrate/Nitrite as N          | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Aluminum                      | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Arsenic                       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Cadmium                       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Copper                        | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Iron                          | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Lead                          | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Manganese                     | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Mercury (dissolved)           | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Mercury (dissolved low-level) | ng/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Molybdenum                    | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Selenium                      | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Silica (SiO2)                 | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Silicon                       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Uranium                       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Zinc                          | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |

Notes & Definitions:

- Y/N

yes or no

1.

"<" values denote that the quantification of that analyte is below the reporting level for the analytical laboratory, acceptable by environmental water quality laboratory industry standards.
- gpm

gallons per minute

2.

Total alkalinity is measured by titration with hydrochloric acid to a set pH point, reporting this value as an equivalent amount of calcium carbonate. This value is then partitioned into bicarbonate, carbonate and hydroxide depending on the initial pH of the sample solution, each components reported as equivalent CaCO3.
- deg C

degrees Celsius

3.

Industry standard Quality Assurance/Quality Control (QA/QC) protocol are followed for this hydrologic monitoring program by both GCC Energy and the contracted environmental water quality analytical laboratories. QA/QC results are not shown in this table.
- SU

standard pH units
- µS/cm

microsiemens per centimeter
- mV

millivolts
- mg/L

milligram per liter
- pCi/L

picocuries per liter
- NM

not measured (field)
- NA

not analyzed (lab)
- ng/L

nanogram per liter

# GCC Energy Hydrologic Monitoring Data

| MW-2-MI                       |        |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
|-------------------------------|--------|-----|------|------|------|-----|------|------|------|------|------|------|------|-----|-------|------|------|------|-------|------|------|-----|------|------|------|------|-------|------|------|-----|-------|------|------|
| Year                          | 2018   |     |      |      |      |     |      | 2019 |      |      |      | 2020 |      |     |       | 2021 |      |      |       | 2022 |      |     |      | 2023 |      |      |       | 2024 |      |     |       | 2025 |      |
| Quarter                       | Q1     |     |      | Q2   |      | Q3  | Q4   | Q1   | Q2   | Q3   | Q4   | Q1   | Q2   | Q3  | Q4    | Q1   | Q2   | Q3   | Q4    | Q1   | Q2   | Q3  | Q4   | Q1   | Q2   | Q3   | Q4    | Q1   | Q2   | Q3  | Q4    |      |      |
| Month                         | 1      | 2   | 3    | 4    | 5    | 8   | 11   | 2    | 5    | 8    | 11   | 2    | 5    | 9   | 11    | 2    | 5    | 8    | 11    | 3    | 6    | 9   | 12   | 3    | 6    | 8    | 11    | 3    | 6    | 8   | 11    | 1    | 5    |
| Sample Date                   | 1/2    | 2/9 | 3/22 | 4/11 | 5/10 | 8/7 | 11/1 | 2/20 | 5/29 | 8/14 | 11/6 | 2/11 | 5/27 | 9/1 | 11/24 | 2/15 | 5/20 | 8/24 | 11/17 | 3/23 | 6/14 | 9/8 | 12/4 | 3/31 | 6/14 | 8/18 | 11/13 | 3/17 | 6/19 | 8/6 | 11/18 | 1/25 | 5/12 |
| Lab Analysis (Y/N)            | N      | N   | N    | N    | N    | N   | N    | N    | N    | N    | N    | N    | N    | N   | N     | N    | N    | N    | N     | N    | N    | N   | N    | N    | N    | N    | N     | N    | N    | N   | N     | N    |      |
| Field Parameters:             |        |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Purge Flow Rate               | gpm    | dry | dry  | dry  | dry  | dry | dry  | dry  | dry  | dry  | dry  | dry  | dry  | dry | dry   | dry  | dry  | dry  | dry   | dry  | dry  | dry | dry  | dry  | dry  | dry  | dry   | dry  | dry  | dry | dry   | dry  |      |
| Total Purged                  | gal    |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Depth to Water                | ft bgs |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Temperature                   | deg C  |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| pH                            | SU     |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Specific Conductance          | µS/cm  |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Oxygen Reduction Potential    | mV     |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Lab Analytical Results:       |        |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Hardness as CaCO3             | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| pH (Lab)                      | SU     |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Total Dissolved Solids (Lab)  | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Calcium                       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Magnesium                     | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Sodium                        | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Potassium                     | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Alkalinity, Total             | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Alkalinity, Bicarbonate       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Alkalinity, Carbonate         | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Alkalinity, Hydroxide         | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Chloride                      | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Fluoride                      | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Sulfate as SO4                | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Total Organic Carbon (TOC)    | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Nitrate/Nitrite as N          | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Aluminum                      | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Arsenic                       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Cadmium                       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Copper                        | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Iron                          | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Lead                          | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Manganese                     | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Mercury (dissolved)           | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Mercury (dissolved low-level) | ng/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Molybdenum                    | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Selenium                      | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Silica (SiO2)                 | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Silicon                       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Uranium                       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Zinc                          | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |

**Notes & Definitions:**

| <b>Historical data prior to 2018 can be found in earlier posted versions of this table</b> |                             |                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Y/N                                                                                        | yes or no                   | 1. " <b>&lt;</b> " values denote that the quantification of that analyte is below the reporting level for the analytical laboratory, acceptable by environmental water quality laboratory industry standards.                                                                                                                        |
| gpm                                                                                        | gallons per minute          |                                                                                                                                                                                                                                                                                                                                      |
| deg C                                                                                      | degrees Celsius             |                                                                                                                                                                                                                                                                                                                                      |
| SU                                                                                         | standard pH units           | 2. Total alkalinity is measured by titration with hydrochloric acid to a set pH point, reporting this value as an equivalent amount of calcium carbonate. This value is then partitioned into bicarbonate, carbonate and hydroxide depending on the initial pH of the sample solution, each components reported as equivalent CaCO3. |
| µS/cm                                                                                      | microsiemens per centimeter |                                                                                                                                                                                                                                                                                                                                      |
| mV                                                                                         | millivolts                  |                                                                                                                                                                                                                                                                                                                                      |
| mg/L                                                                                       | milligram per liter         |                                                                                                                                                                                                                                                                                                                                      |
| pCi/L                                                                                      | picocuries per liter        | 3. Industry standard Quality Assurance/Quality Control (QA/QC) protocol are followed for this hydrologic monitoring program by both GCC Energy and the contracted environmental water quality analytical laboratories. QA/QC results are not shown in this table.                                                                    |
| NM                                                                                         | not measured (field)        |                                                                                                                                                                                                                                                                                                                                      |
| NA                                                                                         | not analyzed (lab)          |                                                                                                                                                                                                                                                                                                                                      |
| ng/L                                                                                       | nanogram per liter          |                                                                                                                                                                                                                                                                                                                                      |

## GCC Energy Hydrologic Monitoring Data

| MW-2-C                        |        |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
|-------------------------------|--------|-----|------|------|------|-----|------|------|------|------|------|------|------|-----|-------|------|------|------|-------|------|------|-----|------|------|------|------|-------|------|------|-----|-------|------|------|
| Year                          | 2018   |     |      |      |      |     |      | 2019 |      |      |      | 2020 |      |     |       | 2021 |      |      |       | 2022 |      |     |      | 2023 |      |      |       | 2024 |      |     |       | 2025 |      |
| Quarter                       | Q1     |     |      | Q2   |      | Q3  | Q4   | Q1   | Q2   | Q3   | Q4   | Q1   | Q2   | Q3  | Q4    | Q1   | Q2   | Q3   | Q4    | Q1   | Q2   | Q3  | Q4   | Q1   | Q2   | Q3   | Q4    | Q1   | Q2   | Q3  | Q4    | Q1   | Q2   |
| Month                         | 1      | 2   | 3    | 4    | 5    | 8   | 11   | 2    | 5    | 8    | 11   | 2    | 5    | 9   | 11    | 2    | 5    | 8    | 11    | 3    | 6    | 9   | 12   | 3    | 6    | 8    | 11    | 3    | 6    | 8   | 11    | 1    | 5    |
| Sample Date                   | 1/2    | 2/9 | 3/22 | 4/11 | 5/10 | 8/7 | 11/1 | 2/20 | 5/29 | 8/14 | 11/6 | 2/11 | 5/27 | 9/1 | 11/24 | 2/15 | 5/20 | 8/24 | 11/17 | 3/23 | 6/14 | 9/8 | 12/4 | 3/31 | 6/14 | 8/18 | 11/13 | 3/17 | 6/19 | 8/6 | 11/18 | 1/25 | 5/12 |
| Lab Analysis (Y/N)            | N      | N   | N    | N    | N    | N   | N    | N    | N    | N    | N    | N    | N    | N   | N     | N    | N    | N    | N     | N    | N    | N   | N    | N    | N    | N    | N     | N    | N    | N   | N     | N    |      |
| Field Parameters:             |        |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Purge Flow Rate               | gpm    | dry | dry  | dry  | dry  | dry | dry  | dry  | dry  | dry  | dry  | dry  | dry  | dry | dry   | dry  | dry  | dry  | dry   | dry  | dry  | dry | dry  | dry  | dry  | dry  | dry   | dry  | dry  | dry | dry   | dry  |      |
| Total Purged                  | gal    |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Depth to Water                | ft bgs |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Temperature                   | deg C  |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| pH                            | SU     |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Specific Conductance          | µS/cm  |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Oxygen Reduction Potential    | mV     |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Lab Analytical Results:       |        |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Hardness as CaCO3             | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| pH (Lab)                      | SU     |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Total Dissolved Solids (Lab)  | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Calcium                       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Magnesium                     | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Sodium                        | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Potassium                     | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Alkalinity, Total             | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Alkalinity, Bicarbonate       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Alkalinity, Carbonate         | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Alkalinity, Hydroxide         | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Chloride                      | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Fluoride                      | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Sulfate as SO4                | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Total Organic Carbon (TOC)    | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Nitrate/Nitrite as N          | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Aluminum                      | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Arsenic                       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Cadmium                       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Copper                        | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Iron                          | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Lead                          | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Manganese                     | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Mercury (dissolved)           | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Mercury (dissolved low-level) | ng/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Molybdenum                    | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Selenium                      | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Silica (SiO2)                 | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Silicon                       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Uranium                       | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |
| Zinc                          | mg/L   |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |      |     |      |      |      |      |       |      |      |     |       |      |      |

### Notes & Definitions:

**Historical data prior to 2018 can be found in earlier posted versions of this table**

- |       |                             |    |                                                                                                                                                                                                                                                                                                                                   |
|-------|-----------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Y/N   | yes or no                   | 1. | "<" values denote that the quantification of that analyte is below the reporting level for the analytical laboratory, acceptable by environmental water quality laboratory industry standards.                                                                                                                                    |
| gpm   | gallons per minute          |    |                                                                                                                                                                                                                                                                                                                                   |
| deg C | degrees Celsius             |    |                                                                                                                                                                                                                                                                                                                                   |
| SU    | standard pH units           | 2. | Total alkalinity is measured by titration with hydrochloric acid to a set pH point, reporting this value as an equivalent amount of calcium carbonate. This value is then partitioned into bicarbonate, carbonate and hydroxide depending on the initial pH of the sample solution, each components reported as equivalent CaCO3. |
| µS/cm | microsiemens per centimeter |    |                                                                                                                                                                                                                                                                                                                                   |
| mV    | millivolts                  |    |                                                                                                                                                                                                                                                                                                                                   |
| mg/L  | milligram per liter         |    |                                                                                                                                                                                                                                                                                                                                   |
| pCi/L | picocuries per liter        | 3. | Industry standard Quality Assurance/Quality Control (QA/QC) protocol are followed for this hydrologic monitoring program by both GCC Energy and the contracted environmental water quality analytical laboratories. QA/QC results are not shown in this table.                                                                    |
| NM    | not measured (field)        |    |                                                                                                                                                                                                                                                                                                                                   |
| NA    | not analyzed (lab)          |    |                                                                                                                                                                                                                                                                                                                                   |
| ng/L  | nanogram per liter          |    |                                                                                                                                                                                                                                                                                                                                   |

GCC Energy Hydrologic Monitoring Data

| MW-3-A                       |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |
|------------------------------|--------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Year                         | 2018   |        |         |        |        |         |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |         | 2023    |         |         |          | 2024     |          |          |          | 2025     |          |          |
| Quarter                      | Q1     |        |         | Q2     |        | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4       | Q1       | Q2       | Q3       | Q4       | Q1       | Q2       |          |
| Month                        | 1      | 2      | 3       | 4      | 5      | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 12      | 2       | 5       | 8       | 11      | 2       | 5       | 9       | 11      | 3       | 6       | 8       | 11       | 2        | 6        | 8        | 11       | 2        | 5        |          |
| Sample Date                  | 1/3    | 2/21   | 3/23    | 4/12   | 5/7    | 8/8     | 11/6    | 2/27    | 5/21    | 8/14    | 11/12   | 2/4     | 5/26    | 8/31    | 12/1    | 2/10    | 5/18    | 8/10    | 11/9    | 2/24    | 5/11    | 9/6     | 11/18   | 3/16    | 6/15    | 8/8     | 11/16    | 2/21     | 6/20     | 8/13     | 11/24    | 2/7      | 5/14     |          |
| Lab Analysis (Y/N)           | N      | Y      | N       | N      | Y      | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y        | Y        | Y        | Y        | Y        | Y        | Y        |          |
| Field Parameters:            |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |
| Purge Flow Rate              | gpm    | NM     | 0.10    | NM     | 0.10   | 0.10    | 0.10    | 0.10    | 0.12    | 0.15    | 0.06    | 0.25    | 0.12    | 0.13    | 0.13    | 0.13    | 0.05    | 0.13    | 0.15    | 0.13    | 0.25    | 0.25    | 0.13    | 0.04    | 0.13    | 0.11    | 0.15     | 0.15     | 0.22     | 0.31     | 0.33     | 0.17     | 0.20     | 0.20     |
| Total Purged                 | gal    | 1.3    | 1.5     | 1.5    | 1.0    | 1.3     | 1.0     | 1.1     | 1.5     | 1.3     | 1.3     | 1.5     | 1.1     | 1.2     | 1.5     | 1.3     | 1.3     | 1.5     | 1.5     | 1.5     | 1.5     | 2.0     | 1.5     | 1.1     | 1.1     | 1.1     | 1.1      | 1.1      | 1.1      | 1.1      | 1.1      | 1.1      | 1.1      |          |
| Depth to Water               | ft bgs | 298.37 | 298.04  | 297.86 | 297.76 | 298.17  | 298.55  | 298.27  | 297.85  | 296.79  | 297.27  | 297.33  | 296.47  | 296.87  | 297.21  | 297.02  | 296.97  | 296.72  | 297.47  | 297.46  | 296.67  | 296.74  | 296.96  | 296.62  | 295.59  | 295.32  | 295.97   | 295.81   | 295.22   | 295.07   | 295.12   | 294.87   | 294.57   | 294.34   |
| Temperature                  | deg C  | 11.8   | 11.7    | 12.2   | 11.9   | 13.5    | 13.5    | 11.9    | 11.8    | 12.1    | NM      | 13.1    | 11.5    | 13.2    | 13.1    | 11.9    | 12.1    | 12.4    | 13.6    | 12.2    | 11.4    | 13.0    | 15.6    | 12.2    | 11.8    | 12.7    | 15.2     | 11.8     | 11.8     | 14.0     | 13.3     | 11.7     | 12.3     | 13.0     |
| pH                           | SU     | 8.54   | 8.52    | 8.61   | 8.21   | 8.38    | 8.30    | 8.31    | 8.28    | 8.31    | 8.13    | 8.51    | 8.11    | 8.26    | 8.23    | 8.39    | 8.53    | 8.46    | 8.42    | 8.47    | 8.35    | 8.21    | 8.12    | 8.66    | 8.06    | 7.97    | 8.63     | 8.50     | 8.48     | 8.37     | 8.48     | 8.58     | 8.60     | 8.56     |
| Specific Conductance         | µS/cm  | 2528   | 2506    | 2458   | 2415   | 2253    | 2336    | 2391    | 2355    | 2309    | NM      | 2204    | 2211    | 2249    | 2112    | 2192    | 1930    | 1525    | 2091    | 2127    | 2121    | 2055    | 2066    | 2057    | 2094    | 2050    | 1374     | 903      | 937      | 560      | 748      | 899      | 1670     | 1552     |
| Oxygen Reduction Potential   | mV     | -120.3 | -125.2  | -181.6 | -135.8 | -138.2  | -155.8  | -164.6  | -145.9  | -132.3  | -138.6  | -120.1  | -65.7   | -156.8  | -98.8   | -89.3   | -101.3  | -157.1  | -149.0  | -156.8  | -221.2  | -124.2  | -269.9  | -199.6  | -43.5   | -91.0   | -162.4   | -256.7   | -162.8   | -151.5   | -172.6   | -267.5   | -198.5   | -151.2   |
| Lab Analytical Results:      |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |
| Hardness as CaCO3            | mg/L   |        | 11.50   |        |        | 11.20   | 12.60   | 14.10   | 11.90   | 10.70   | 10.40   | 11.10   | 10.80   | 10.30   | 11.10   | 9.41    | 10.50   | 8.14    | 8.89    | 8.68    | 8.56    | 9.01    | 9.33    | 7.59    | 8.38    | 8.76    | 5.89     | 9.30     | 8.16     | 8.68     | 9.42     | 8.11     | 6.88     | 7.70     |
| pH (Lab)                     | SU     |        | 8.45    |        |        | 8.36    | 8.37    | 8.24    | 8.28    | 8.29    | 8.27    | 8.39    | 8.09    | 7.68    | 8.16    | 8.13    | 8.13    | 8.22    | 8.21    | 8.19    | 8.17    | 8.28    | 8.09    | 8.15    | 7.63    | 7.97    | 8.40     | 8.37     | 8.20     | 8.44     | 8.50     | 8.23     | 8.42     | 8.48     |
| Total Dissolved Solids (Lab) | mg/L   |        | 1680    |        |        | 1670    | 1600    | 1540    | 1500    | 1530    | 1520    | 1510    | 1500    | 1460    | 1380    | 1460    | 1410    | 1350    | 1420    | 1360    | 1220    | 1400    | 1320    | 1280    | 1390    | 1310    | 1300     | 1290     | 1320     | 1280     | 1340     | 1190     | 1260     | 1260     |
| Calcium                      | mg/L   |        | 3.3     |        |        | 3.2     | 3.7     | 4.2     | 3.6     | 3.2     | 3.1     | 3.3     | 3.1     | 3.1     | 3.0     | 2.8     | 3.1     | 2.5     | 2.6     | 2.5     | 2.4     | 2.6     | 2.6     | 2.2     | 2.4     | 2.5     | 2.4      | 2.6      | 2.3      | 2.5      | 2.6      | 2.3      | 1.9      | 2.0      |
| Magnesium                    | mg/L   |        | 0.8     |        |        | 0.8     | 0.8     | 0.9     | 0.7     | 0.7     | 0.7     | 0.7     | 0.7     | 0.6     | 0.9     | 0.6     | 0.7     | 0.5     | 0.6     | 0.6     | 0.6     | 0.6     | 0.7     | 0.5     | 0.6     | 0.6     | < 0.500  | 0.7      | 0.6      | 0.6      | 0.7      | 0.6      | 0.5      | 0.7      |
| Sodium                       | mg/L   |        | 562.0   |        |        | 542.0   | 562.0   | 605.0   | 543.0   | 525.0   | 553.0   | 528.0   | 520.0   | 507.0   | 510.0   | 505.0   | 536.0   | 471.0   | 462.0   | 448.0   | 462.0   | 473.0   | 476.0   | 420.0   | 440.0   | 456.0   | 450.0    | 459.0    | 436.0    | 458.0    | 454.0    | 455.0    | 454.0    | 438.0    |
| Potassium                    | mg/L   |        | <2.00   |        |        | 1.80    | <2.00   | 2.17    | <2.00   | 1.92    | <2.00   | <5.00   | <3.00   | <5.00   | <5.00   | <5.00   | <5.00   | <3.00   | <5.00   | <2.00   | 1.34    | <2.00   | <2.00   | <5.00   | <5.00   | <5.00   | < 5.00   | < 3.00   | < 3.00   | < 2.00   | 1.36     | 1.34     | < 5.00   | < 5.00   |
| Alkalinity, Total            | mg/L   |        | 430     |        |        | 480     | 480     | 475     | 540     | 450     | 459     | 420     | 460     | 430     | 440     | 470     | 520     | 530     | 465     | 485     | 495     | 560     | 500     | 400     | 454     | 458     | 447      | 465      | 465      | 510      | 580      | 520      | 525      | 510      |
| Alkalinity, Bicarbonate      | mg/L   |        | 360     |        |        | 480     | 420     | 385     | 330     | 430     | 423     | 420     | 460     | 400     | 440     | 450     | 520     | 530     | 465     | 435     | 455     | 480     | 500     | 400     | 454     | 458     | 415      | 455      | 465      | 510      | 580      | 520      | 485      | 330      |
| Alkalinity, Carbonate        | mg/L   |        | 70.0    |        |        | <10.0   | 60.0    | 90.0    | 210.0   | 20.0    | 36.0    | <10.0   | <10.0   | 30.0    | <10.0   | 20.0    | <10.0   | <10.0   | <10.0   | 50.0    | 40.0    | 80.0    | <10.0   | <10.0   | <10.0   | <10.0   | 32.0     | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | 180.0    |          |
| Alkalinity, Hydroxide        | mg/L   |        | <10.0   |        |        | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   |          |
| Chloride                     | mg/L   |        | 16.40   |        |        | 16.10   | 15.10   | 16.00   | 15.20   | 15.00   | 15.00   | 14.70   | 13.90   | 13.90   | 13.50   | 14.00   | 13.50   | 14.00   | 14.10   | 14.60   | 14.20   | 14.20   | 15.90   | 15.40   | 16.00   | 16.10   | 16.90    | 16.20    | 17.30    | 17.50    | 18.20    | 17.60    | 20.10    | 20.60    |
| Fluoride                     | mg/L   |        | <0.500  |        |        | <0.5    | NA      | 0.383   | 0.406   | 0.404   | 0.396   | <0.500  | 0.370   | 0.374   | 0.366   | 0.372   | 0.336   | 0.352   | 0.366   | 0.314   | 0.356   | 0.324   | 0.362   | <0.500  | <0.500  | 0.316   | < 0.500  | 0.284    | < 0.500  | 0.368    | 0.390    | 0.388    | 0.446    | < 0.500  |
| Sulfate as SO4               | mg/L   |        | 812.0   |        |        | 756.0   | 706.0   | 682.0   | 716.0   | 699.0   | 724.0   | 633.0   | 637.0   | 656.0   | 624.0   | 644.0   | 600.0   | 601.0   | 599.0   | 515.0   | 584.0   | 555.0   | 557.0   | 565.0   | 571.0   | 573.0   | 560.0    | 552.0    | 545.0    | 545.0    | 525.0    | 520.0    | 512.0    | 441.0    |
| Total Organic Carbon (TOC)   | mg/L   |        | 5.32    |        |        | 4.70    | 4.62    | 4.52    | 4.15    | 4.10    | 3.84    | 3.81    | 3.42    | 3.48    | 3.39    | 3.15    | 3.16    | 3.18    | 3.01    | 3.02    | 2.96    | 2.84    | 3.02    | 1.54    | 3.04    | <2.5    | 4.44     | 2.93     | 3.25     | 2.96     | 3.93     | 2.94     | 2.89     | 2.86     |
| Nitrate/Nitrite as N         | mg/L   |        | <0.020  |        |        | <0.020  | <0.020  | <0.020  | 0.266   | <0.020  | <0.020  | <0.020  | 0.024   | 0.026   | 0.039   | 0.032   | <0.020  | 0.024   | <0.020  | <0.020  | 0.022   | 0.030   | <0.020  | <0.020  | 0.117   | 0.061   | < 0.020  | < 0.020  | < 0.020  | < 0.020  | 0.060    | < 0.020  | < 0.020  | < 0.020  |
| Ammonia as N ^               | mg/L   |        | NA      |        |        | NA      | NA      | NA      | NA      | NA      | NA      | 0.354   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       |
| Ortho-Phosphate as P ^       | mg/L   |        | NA      |        |        | NA      | NA      | NA      | NA      | NA      | NA      | 0.0730  | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       |
| Aluminum                     | mg/L   |        | <0.100  |        |        | <0.050  | <0.050  | <0.100  | <0.100  | <0.050  | <0.100  | <0.250  | <0.150  | <0.250  | <0.250  | <0.250  | <0.250  | <0.150  | <0.250  | <0.100  | <0.050  | <0.100  | <0.100  | <0.250  | <0.250  | <0.250  | < 0.250  | < 0.150  | < 0.150  | < 0.100  | < 0.050  | < 0.050  | < 0.250  | < 0.250  |
| Arsenic                      | mg/L   |        | <0.0025 |        |        | 0.0006  | <0.0025 | <0.0010 | <0.0010 | <0.0025 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0025 | <0.0025 | 0.0026  | 0.0006  | 0.0010  | 0.0018  | 0.0009  | <0.0010 | <0.0010 | <0.0010 | <0.0025 | <0.0025 | < 0.0025 | < 0.0025 | < 0.0020 | < 0.0020 | < 0.0010 | < 0.0010 | < 0.0020 | < 0.0020 |
| Cadmium                      | mg/L   |        | <0.0005 |        |        | <0.0001 | <0.0001 | <0.0002 | <0.0002 | <0.0005 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0005 | <0.0005 | <0.0005 | <0.0010 | <0.0010 | <0.0010 | <0.0005 | <0.0010 | <0.0010 | <0.0010 | <0.0025 | <0.0025 | < 0.     |          |          |          |          |          |          |          |



## GCC Energy Hydrologic Monitoring Data

| MW-3-MI                       |        |        |         |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |        |
|-------------------------------|--------|--------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
| Year                          |        | 2018   |         |        |         |         |         |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |         | 2023    |          |          |          | 2024     |          |          |          | 2025     |        |
| Quarter                       |        | Q1     |         |        | Q2      |         | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2       | Q3       | Q4       | Q1       | Q2       | Q3       | Q4       | Q1       | Q2     |
| Month                         |        | 1      | 2       | 3      | 4       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 12      | 2       | 5       | 8       | 11      | 2       | 5       | 9       | 11      | 3       | 6        | 8        | 11       | 2        | 6        | 8        | 11       | 2        | 5      |
| Sample Date                   |        | 1/3    | 2/21    | 3/23   | 4/12    | 5/7     | 8/8     | 11/6    | 2/27    | 5/21    | 8/21    | 11/12   | 2/4     | 5/26    | 8/31    | 12/1    | 2/10    | 5/18    | 8/10    | 11/9    | 2/24    | 5/11    | 9/6     | 11/18   | 3/16    | 6/15     | 8/8      | 11/16    | 2/21     | 6/20     | 8/13     | 11/24    | 2/7      | 5/14   |
| Lab Analysis (Y/N)            |        | N      | Y       | N      | N       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y        | Y        | Y        | Y        | Y        | Y        | Y        | Y        |        |
| Field Parameters:             |        |        |         |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |        |
| Purge Flow Rate               | gpm    | NM     | 0.10    | NM     | 0.10    | 0.10    | 0.10    | 0.10    | 0.12    | 0.12    | 0.06    | 0.25    | 0.50    | 0.25    | 0.13    | 0.13    | 0.10    | 0.13    | 0.13    | 0.25    | 0.25    | 0.25    | 0.15    | 0.10    | 0.11    | 0.12     | 0.26     | 0.33     | 0.09     | 0.17     | 0.17     | 0.17     | 0.19     | 0.21   |
| Total Purged                  | gal    | 1.3    | 1.5     | 1.5    | 1.0     | 1.3     | 1.0     | 1.1     | 1.5     | 1.3     | 2.0     | 1.0     | 1.5     | 1.3     | 1.8     | 1.3     | 1.3     | 1.5     | 1.5     | 1.3     | 1.5     | 2.0     | 1.3     | 1.3     | 1.1     | 1.1      | 1.1      | 1.1      | 1.1      | 1.3      | 1.1      | 1.1      | 1.1      | 1.1    |
| Depth to Water                | ft bgs | 240.73 | 240.55  | 240.65 | 240.84  | 241.04  | 241.97  | 242.13  | 242.15  | 242.32  | 246.55  | 243.07  | 242.85  | 243.05  | 243.6   | 243.9   | 243.93  | 244.25  | 244.28  | 244.15  | 242.90  | 244.05  | 244.65  | 244.3   | 243.83  | 249.55   | 242.86   | 242.65   | 242.35   | 242.40   | 242.35   | 242.9    | 242.27   | 242.27 |
| Temperature                   | deg C  | 11.9   | 11.3    | 11.9   | 11.8    | 12.6    | 13.0    | 12.4    | 11.6    | 11.3    | 13.2    | 12.3    | 11.6    | 12.6    | 12.8    | 11.7    | 11.5    | 12.8    | 13.0    | 11.9    | 11.4    | 13.2    | 13.7    | 11.6    | 11.7    | 12.5     | 13.1     | 12.3     | 11.7     | 13.1     | 12.5     | 11.6     | 11.9     | 11.7   |
| pH                            | SU     | 8.84   | 8.83    | 8.84   | 8.51    | 8.48    | 8.49    | 8.46    | 8.51    | 8.55    | 8.71    | 8.75    | 8.76    | 8.82    | 9.01    | 9.09    | 9.03    | 9.06    | 9.13    | 9.11    | 9.07    | 9.04    | 9.03    | 8.81    | 9.06    | 9.03     | 9.00     | 8.89     | 8.97     | 8.80     | 8.73     | 8.89     | 8.91     | 8.90   |
| Specific Conductance          | µS/cm  | 1790   | 1810    | 1771   | 1772    | 1727    | 1709    | 1746    | 1753    | 1739    | 1691    | 1739    | 1758    | 1737    | 1560    | 1555    | 1519    | 1232    | 1647    | 1765    | 1705    | 1686    | 1720    | 1739    | 1609    | 1737     | 1702     | 1784     | 1788     | 1704     | 1753     | 1764     | 1860     | 1738   |
| Oxygen Reduction Potential    | mV     | -136.0 | -131.4  | -160.7 | -99.9   | -103.9  | -127.8  | -176.5  | -113.0  | -84.5   | 43.9    | -130.8  | -104.3  | -174.5  | -111.0  | -132.4  | -94.6   | -120.4  | -142.9  | -163.3  | -207.2  | -104.2  | -184.3  | -158.9  | -186.8  | -192.3   | -213.0   | -263.6   | -279.2   | -222.1   | -156.7   | -213.9   | -136.5   | -94.5  |
| Lab Analytical Results:       |        |        |         |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |        |
| Hardness as CaCO3             | mg/L   |        | 9.92    |        | 8.65    | 8.63    | 8.88    | 7.63    | 6.84    | 7.98    | 6.64    | 6.50    | 7.25    | 6.39    | 5.94    | 6.63    | 5.06    | 5.39    | 5.21    | 5.28    | 5.13    | <3.31   | <3.31   | <3.31   | <3.31   | < 3.31   | 5.20     | 4.21     | 5.20     | 5.63     | 4.96     | 4.88     | 5.08     |        |
| pH (Lab)                      | SU     |        | 8.66    |        | 8.56    | 8.58    | 8.34    | 8.50    | 8.45    | 8.58    | 8.62    | 8.61    | 8.59    | 8.87    | 8.77    | 8.72    | 8.84    | 8.81    | 8.88    | 8.78    | 8.87    | 8.76    | 8.78    | 8.63    | 8.71    | 8.84     | 8.85     | 8.76     | 8.76     | 8.71     | 8.79     | 8.87     | 8.78     |        |
| Total Dissolved Solids (Lab)  | mg/L   |        | 1170    |        | 1210    | 1110    | 1120    | 1120    | 1170    | 1010    | 1130    | 1130    | 1130    | 1060    | 1160    | 1120    | 1110    | 1180    | 1130    | 1070    | 1140    | 1080    | 1070    | 1140    | 1100    | 1070     | 1050     | 1120     | 1060     | 1120     | 1100     | 1060     | 1110     |        |
| Calcium                       | mg/L   |        | 2.2     |        | 1.9     | 2.0     | 2.0     | 1.9     | 1.7     | 2.0     | 1.7     | 1.6     | 1.8     | 1.6     | 1.4     | 1.7     | 1.3     | 1.3     | 1.3     | 1.3     | 1.3     | 1.1     | 1.2     | 1.2     | 1.1     | 1.1      | 1.3      | 1.1      | 1.3      | 1.4      | 1.2      | 1.3      | 1.2      |        |
| Magnesium                     | mg/L   |        | 1.1     |        | 0.9     | 0.9     | 0.9     | 0.7     | 0.6     | 0.7     | 0.6     | 0.6     | 0.7     | 0.6     | 0.6     | 0.6     | 0.5     | 0.5     | 0.5     | 0.5     | 0.4     | <0.500  | <0.500  | <0.500  | <0.500  | < 0.500  | 0.4      | 0.3      | 0.5      | 0.5      | 0.5      | 0.4      | 0.5      |        |
| Sodium                        | mg/L   |        | 459.0   |        | 417.0   | 446.0   | 476.0   | 434.0   | 419.0   | 454.0   | 437.0   | 437.0   | 427.0   | 431.0   | 431.0   | 468.0   | 410.0   | 403.0   | 390.0   | 413.0   | 415.0   | 374.0   | 389.0   | 397.0   | 408.0   | 398.0    | 405.0    | 388.0    | 413.0    | 411.0    | 413.0    | 436.0    | 408.0    |        |
| Potassium                     | mg/L   |        | <2.00   |        | 1.63    | <2.00   | <2.00   | 1.39    | 1.65    | <2.00   | <5.00   | <2.00   | <5.00   | <3.00   | <4.00   | <5.00   | <2.00   | <2.00   | <2.00   | 1.27    | <2.00   | <5.00   | <5.00   | <5.00   | <5.00   | < 5.00   | < 2.00   | < 2.00   | < 2.00   | 1.23     | 1.25     | 1.49     | < 5.00   |        |
| Alkalinity, Total             | mg/L   |        | 700     |        | 680     | 730     | 720     | 685     | 755     | 720     | 690     | 705     | 680     | 625     | 770     | 690     | 690     | 705     | 705     | 740     | 740     | 780     | 760     | 680     | 700     | 660      | 630      | 670      | 730      | 700      | 685      | 720      | 650      |        |
| Alkalinity, Bicarbonate       | mg/L   |        | 600     |        | 500     | 630     | 610     | 485     | 605     | 590     | 610     | 645     | 550     | 465     | 690     | 450     | 550     | 555     | 565     | 580     | 580     | 480     | 540     | 620     | 572     | 590      | 510      | 590      | 630      | 670      | 555      | 600      | 450      |        |
| Alkalinity, Carbonate         | mg/L   |        | 100.0   |        | 180.0   | 100.0   | 110.0   | 200.0   | 150.0   | 130.0   | 80.0    | 60.0    | 130.0   | 160.0   | 80.0    | 240.0   | 140.0   | 150.0   | 140.0   | 160.0   | 160.0   | 300.0   | 220.0   | 60.0    | 128.0   | 70.0     | 120.0    | 80.0     | 100.0    | 30.0     | 130.0    | 120.0    | 200.0    |        |
| Alkalinity, Hydroxide         | mg/L   |        | <10.0   |        | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   |        |
| Chloride                      | mg/L   |        | 10.70   |        | 10.70   | 8.54    | 8.83    | 9.21    | 9.25    | 10.20   | 9.13    | 9.21    | 9.61    | 9.45    | 10.00   | 9.84    | 10.50   | 10.40   | 10.40   | 10.60   | 10.20   | 11.20   | 10.70   | 10.90   | 10.80   | 10.80    | 10.70    | 10.70    | 10.60    | 10.30    | 9.63     | 10.20    | 10.30    |        |
| Fluoride                      | mg/L   |        | 1.300   |        | 1.200   | 1.160   | 1.190   | 1.210   | 1.220   | 1.190   | 1.190   | 1.130   | 1.130   | 1.090   | 1.120   | 1.030   | 1.090   | 1.070   | 0.980   | 1.100   | 0.982   | 1.110   | 1.080   | 1.100   | 1.020   | 0.862    | 0.924    | 0.940    | 1.120    | 1.090    | 1.110    | 1.180    | 1.040    |        |
| Sulfate as SO4                | mg/L   |        | 245.0   |        | 250.0   | 226.0   | 230.0   | 232.0   | 229.0   | 236.0   | 224.0   | 227.0   | 231.0   | 222.0   | 110.0   | 223.0   | 227.0   | 228.0   | 230.0   | 233.0   | 213.0   | 240.0   | 238.0   | 240.0   | 243.0   | 242.0    | 241.0    | 245.0    | 255.0    | 247.0    | 239.0    | 256.0    | 239.0    |        |
| Total Organic Carbon (TOC)    | mg/L   |        | 9.24    |        | 8.67    | 7.83    | 7.28    | 6.73    | 6.56    | 6.17    | 5.78    | 5.58    | 6.07    | 5.79    | 5.46    | 5.34    | 5.33    | 5.40    | 5.26    | 5.14    | 4.94    | 5.06    | 2.89    | 5.14    | 4.22    | 4.72     | 4.52     | 5.37     | 4.49     | 4.50     | 4.32     | 4.33     | 3.86     |        |
| Nitrate/Nitrite as N          | mg/L   |        | <0.020  |        | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | 0.034   | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | < 0.020  | 2.420    | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  |        |
| Ammonia as N ^                | mg/L   |        | NA      |        | NA      | NA      | NA      | NA      | NA      | NA      | 0.317   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA     |
| Ortho-Phosphate as P ^        | mg/L   |        | NA      |        | NA      | NA      | NA      | NA      | NA      | NA      | 0.3480  | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA     |
| Aluminum                      | mg/L   |        | <0.100  |        | <0.050  | <0.050  | <0.10   | <0.050  | <0.050  | 0.167   | <0.250  | <0.100  | <0.250  | <0.150  | <0.200  | <0.250  | <0.100  | <0.100  | <0.100  | <0.100  | <0.050  | <0.100  | <0.250  | <0.250  | <0.250  | <0.250   | < 0.250  | < 0.100  | < 0.100  | < 0.100  | < 0.050  | < 0.050  | < 0.250  |        |
| Arsenic                       | mg/L   |        | 0.0160  |        | 0.0152  | 0.0127  | 0.0104  | 0.0149  | 0.0107  | 0.0142  | 0.0099  | 0.0093  | 0.0086  | 0.0061  | 0.0070  | 0.0083  | 0.0091  | 0.0091  | 0.0078  | 0.0095  | 0.0082  | 0.0084  | 0.0085  | 0.0078  | 0.0094  | 0.0076   | 0.0084   | 0.0067   | 0.0049   | 0.0040   | 0.0041   | 0.0044   | 0.0036   |        |
| Cadmium                       | mg/L   |        | <0.0001 |        | <0.0001 | <0.0001 | <0.0002 | <0.0001 | <0.0005 | <0.0001 | <0.0002 | <0.0002 | <0.0005 | <0.0005 | <0.0004 | <0.0005 | <0.0005 | <0.0010 | <0.0010 | <0.0005 | <0.0010 | <0.0010 | <0.0010 | <0.0025 | <0.0025 | < 0.0025 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0010 |        |
| Copper                        | mg/L   |        | 0.0122  |        | 0.0048  | 0.0071  | 0.0073  | 0.0068  | 0.0063  | 0.0049  | 0.0037  | 0.0024  | <0.0025 | 0.0046  | 0.0045  | 0.0031  | 0.0131  | 0.0143  | 0.0097  | 0.0072  | 0.0126  | 0.0170  | 0.0089  | 0.0143  | 0.0187  | 0.0080   | 0.0081   | 0.0136   | 0.0167   | 0.0243   | 0.0197   | 0.0181   | 0.0135   |        |
| Iron                          | mg/L   |        | <0.100  |        | <0.05   | <0.05   | <0.1    | <0.050  | <0.050  | <0.100  | <0.250  | <0.100  | <0.250  | <0.150  | <0.200  | <0.250  | <0.100  | <0.100  | <0.100  | <0.050  | <0.100  | <0.250  | <0.250  | <0.250  | <0.250  | < 0.250  | < 0.100  | < 0.100  | < 0.100  | < 0.050  | < 0.050  | < 0.050  | < 0.250  |        |
| Lead                          | mg/L   |        | <0.0005 |        | <0.0005 | <0.0005 | <0.0010 | <0.0005 | <0.0025 | <0.0005 | <0.0010 | <0.0010 | <0.0025 | <0.0025 | <0.0020 | <0.0025 | <0.0005 | <0.0010 | <0.0010 | <0.0005 | <0.0010 | <0.0020 | <0.0010 | <0.0025 | <0.0025 | < 0.0025 | < 0.0010 | < 0.0025 | < 0.0010 | < 0.0005 | < 0.0005 | < 0.0010 | <0.0010  |        |
| Manganese                     | mg/L   |        | 0.0049  |        | 0.0060  | 0.0054  | 0.0072  | 0.0078  | 0.0082  | 0.0079  | 0.0099  | 0.0095  | 0.0102  | 0.0072  | 0.0070  | 0.0069  | 0.0057  | 0.0058  | 0.0054  | 0.0051  | 0.0049  | 0.0047  | 0.0058  | 0.0063  | 0.0058  | 0.0055   | 0.0059   | 0.0057   | 0.0066   | 0.0064   | 0.0058   | 0.0061   | 0.0062   |        |
| Mercury (dissolved)           | mg/L   |        | <0.0002 |        | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0050 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |         |         |         |         |         |          |          |          |          |          |          |          |          |        |
| Mercury (dissolved low-level) | ng/L   |        |         |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |        |
| Molybdenum                    | mg/L   |        | 0.0170  |        | 0.0160  | 0.0149  | 0.0158  | 0.0157  | 0.0167  | 0.0277  | 0.0372  | 0.0204  | 0.0195  | 0.0149  | 0.0163  | 0.0162  | 0.0160  | 0.0149  | 0.0140  | 0.0148  | 0.0143  | 0.0150  | 0.0150  | 0.0136  | 0.0143  | 0.0125   | 0.0139   | 0.0130   | 0.0135   | 0.0126   | 0.0117   | 0.0117   | 0.0109   |        |
| Selenium                      | mg/L   |        |         |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |        |

**Notes & Definitions:**

*Historical data prior to 2018 can be found in earlier posted versions of this table*

- ^ one-time analysis

Y/N yes or no

**gpm**    gallons per minute

deg C    degrees C

**SU** standard pH units

**μS/cm**    **microsiemens per centimeter**

mV millivolts

**mg/L** milligram per liter

pCi/L    picocuries per liter

NM not measured (field)

NA not analysed

ng/L nanogram per liter

1. "*<*" values denote that the quantification of that analyte is below the reporting level for the analytical laboratory, acceptable by environmental water quality laboratory industry standards.
2. Total alkalinity is measured by titration with hydrochloric acid to a set pH point, reporting this value as an equivalent amount of calcium carbonate. This value is then partitioned into bicarbonate, carbonate and hydroxide depending on the initial pH of the sample solution, each components reported as equivalent CaCO<sub>3</sub>.
3. Industry standard Quality Assurance/Quality Control (QA/QC) protocol are followed for this hydrologic monitoring program by both GCC Energy and the contracted environmental water quality analytical laboratories. QA/QC results are not shown in this table.



GCC Energy Hydrologic Monitoring Data

| MW-4-A                       |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |        |         |         |          |          |          |          |          |          |          |          |
|------------------------------|--------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Year                         | 2018   |        |         |        |        |         |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |        | 2023   |         |         |          | 2024     |          |          |          | 2025     |          |          |
| Quarter                      | Q1     |        |         | Q2     |        | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4     | Q1     | Q2      | Q3      | Q4       | Q1       | Q2       | Q3       | Q4       | Q1       | Q2       |          |
| Month                        | 1      | 2      | 3       | 4      | 5      | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 9       | 11     | 3      | 6       | 8       | 11       | 2        | 6        | 8        | 11       | 2        | 5        |          |
| Sample Date                  | 1/3    | 2/21   | 3/23    | 4/12   | 5/14   | 8/8     | 11/5    | 2/27    | 5/22    | 8/15    | 11/12   | 2/6     | 5/26    | 8/27    | 11/25   | 2/10    | 5/18    | 8/10    | 11/10   | 2/23    | 5/11    | 9/1     | 11/17  | 3/9    | 6/15    | 8/7     | 11/16    | 2/12     | 6/20     | 8/13     | 11/22    | 2/7      | 5/14     |          |
| Lab Analysis (Y/N)           | N      | Y      | N       | N      | Y      | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y      | Y      | Y       | Y       | Y        | Y        | Y        | Y        | Y        | Y        |          |          |
| Field Parameters:            |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |        |         |         |          |          |          |          |          |          |          |          |
| Purge Flow Rate              | gpm    | NM     | 0.10    | NM     | 0.10   | 0.10    | 0.10    | 0.06    | 0.06    | 0.06    | 0.13    | 0.03    | 0.03    | 0.13    | 0.13    | 0.05    | 0.13    | 0.25    | 0.20    | 0.22    | 0.13    | 0.13    | 0.06   | 0.05   | 0.03    | 0.08    | 0.05     | 0.06     | 0.04     | 0.05     | 0.70     | 0.08     | 0.08     |          |
| Total Purged                 | gal    | 1.3    | 1.5     | 1.5    | 1.0    | 1.5     | 1.5     | 1.1     | 1.5     | 1.3     | 1.1     | 1.0     | 1.5     | 1.2     | 1.3     | 1.3     | 1.3     | 1.5     | 1.3     | 1.8     | 1.5     | 1.0     | 1.1    | 1.1    | 1.1     | 1.1     | 1.1      | 1.1      | 1.1      | 1.1      | 1.1      | 1.1      | 1.1      |          |
| Depth to Water               | ft bgs | 334.31 | 334.73  | 334.81 | 335.07 | 335.58  | 336.06  | 336.73  | 335.6   | 335.07  | 335.21  | 335.16  | 336.35  | 337.16  | 336.88  | 336.13  | 335.46  | 335.72  | 335.93  | 336.16  | 336.01  | 336.31  | 336.74 | 337.16 | 337.66  | 330.46  | 335.36   | 335.49   | 335.38   | 335.96   | 335.81   | 337.98   | 337.81   | 337.86   |
| Temperature                  | deg C  | 10.9   | 9.8     | 11.4   | 10.9   | 17.8    | 12.9    | 11.6    | 11.1    | 10.4    | 13.6    | 11.6    | 10.3    | 12.5    | 14.0    | 12.3    | 10.3    | 11.2    | 12.1    | 11.6    | 9.4     | 12.4    | 15.6   | 12.4   | 11.6    | 15.0    | 15.2     | 12.4     | 10.9     | 14.1     | 12.8     | 12.3     | 11.4     | 12.2     |
| pH                           | SU     | 8.33   | 8.37    | 8.41   | 8.19   | 8.20    | 8.10    | 8.12    | 8.15    | 8.08    | 8.02    | 8.11    | 8.07    | 8.19    | 8.27    | 8.30    | 8.25    | 8.30    | 8.38    | 8.38    | 8.35    | 8.34    | 8.33   | 8.77   | 8.41    | 8.38    | 8.33     | 8.25     | 8.25     | 8.12     | 7.18     | 7.43     | 8.01     | 8.06     |
| Specific Conductance         | µS/cm  | 2259   | 2267    | 2207   | 2214   | 2183    | 2192    | 2246    | 2205    | 2237    | 2201    | 2211    | 2271    | 2273    | 2165    | 2249    | 2052    | 1618    | 2205    | 2268    | 2294    | 2244    | 2236   | 2236   | 2090    | 2246    | 2171     | 2298     | 2291     | 2212     | 2249     | 2261     | 2394     | 2220     |
| Oxygen Reduction Potential   | mV     | -35.2  | -75.9   | -117.3 | -77.9  | -81.8   | -137.5  | -157.6  | -92.3   | -89.3   | -54.3   | -19.8   | 15.3    | -71.3   | -11.5   | -10.6   | 29.0    | -63.4   | -48.7   | -77.3   | -153.2  | -78.6   | -203.9 | -66.6  | 35.8    | -41.9   | -76.5    | -167.0   | -207.3   | -80.1    | 4.7      | -93.1    | -37.0    | -16.9    |
| Lab Analytical Results:      |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |        |         |         |          |          |          |          |          |          |          |          |
| Hardness as CaCO3            | mg/L   |        | 7.73    |        |        | 7.84    | 7.69    | 8.81    | 7.76    | 7.31    | 8.62    | 8.00    | 8.19    | 7.46    | 7.87    | 7.77    | 8.87    | 7.02    | 5.81    | 7.54    | 8.32    | 7.88    | 8.44   | 7.41   | 7.78    | 8.02    | 6.50     | 7.47     | 7.88     | 8.97     | 8.43     | 8.10     | 7.35     | 7.76     |
| pH (Lab)                     | SU     |        | 8.28    |        |        | 8.31    | 8.21    | 8.24    | 8.05    | 8.08    | 8.15    | 8.02    | 8.11    | 7.90    | 8.19    | 8.16    | 8.04    | 8.15    | 8.09    | 8.21    | 8.24    | 8.24    | 8.50   | 8.29   | 8.10    | 8.12    | 8.23     | 8.30     | 8.07     | 8.21     | 7.62     | 7.92     | 8.03     | 8.05     |
| Total Dissolved Solids (Lab) | mg/L   |        | 1490    |        |        | 1470    | 1430    | 1350    | 1450    | 1410    | 1540    | 1490    | 1500    | 1480    | 1460    | 1560    | 1370    | 1430    | 1510    | 1470    | 1400    | 1540    | 1480   | 1430   | 1390    | 1480    | 1480     | 1400     | 1350     | 1430     | 1500     | 1470     | 1420     | 1470     |
| Calcium                      | mg/L   |        | 1.8     |        |        | 1.8     | 1.7     | 1.9     | 1.8     | 1.7     | 1.9     | 1.8     | 1.9     | 1.7     | 1.8     | 1.7     | 2.0     | 1.7     | 1.4     | 1.8     | 1.9     | 1.9     | 2.0    | 1.7    | 1.7     | 1.8     | 1.6      | 1.8      | 1.8      | 2.1      | 2.0      | 1.9      | 1.6      | 1.6      |
| Magnesium                    | mg/L   |        | 0.8     |        |        | 0.8     | 0.8     | 1.0     | 0.8     | 0.8     | 0.9     | 0.8     | 0.9     | 0.8     | 0.8     | 0.8     | 0.9     | 0.7     | 0.6     | 0.8     | 0.9     | 0.8     | 0.9    | 0.8    | 0.8     | 0.8     | 0.6      | 0.8      | 0.8      | 0.9      | 0.9      | 0.8      | 0.8      | 0.9      |
| Sodium                       | mg/L   |        | 507.0   |        |        | 528.0   | 531.0   | 568.0   | 535.0   | 515.0   | 548.0   | 529.0   | 551.0   | 498.0   | 533.0   | 531.0   | 565.0   | 507.0   | 411.0   | 488.0   | 504.0   | 523.0   | 520.0  | 482.0  | 559.0   | 535.0   | 503.0    | 509.0    | 538.0    | 520.0    | 564.0    | 513.0    | 525.0    | 508.0    |
| Potassium                    | mg/L   |        | <2.00   |        |        | 1.50    | <2.00   | <2.00   | <2.00   | <2.00   | 4.75    | <5.00   | <3.00   | <5.00   | <5.00   | <5.00   | <5.00   | <3.00   | <5.00   | <2.00   | <2.00   | <2.00   | <2.00  | <5.00  | <5.00   | 1.24    | < 5.00   | < 5.00   | < 3.00   | < 2.00   | 1.53     | 1.53     | < 5.00   | < 5.00   |
| Alkalinity, Total            | mg/L   |        | 530     |        |        | 560     | 575     | 575     | 545     | 565     | 575     | 544     | 560     | 585     | 605     | 538     | 620     | 590     | 580     | 670     | 535     | 605     | 590    | 480    | 569     | 579     | 562      | 515      | 555      | 585      | 615      | 590      | 590      | 555      |
| Alkalinity, Bicarbonate      | mg/L   |        | 490     |        |        | 560     | 555     | 575     | 505     | 544     | 535     | 528     | 560     | 545     | 565     | 530     | 620     | 530     | 580     | 670     | 485     | 455     | 590    | 480    | 531     | 579     | 524      | 515      | 545      | 585      | 615      | 590      | 590      | 465      |
| Alkalinity, Carbonate        | mg/L   |        | 40.0    |        |        | <10.0   | 20.0    | <10.0   | 40.0    | 32.0    | 40.0    | 16.0    | <10.0   | 40.0    | 40.0    | <10.0   | <10.0   | 60.0    | <10.0   | <10.0   | <10.0   | 50.0    | 150.0  | <10.0  | <10.0   | 38.0    | <10.0    | 38.0     | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | 90.0     |
| Alkalinity, Hydroxide        | mg/L   |        | <10.0   |        |        | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0  | <10.0  | <10.0   | < 10.0  | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   |          |
| Chloride                     | mg/L   |        | 10.00   |        |        | 9.94    | 9.55    | 8.60    | 8.93    | 8.99    | 8.91    | 8.76    | 8.83    | 8.89    | 10.10   | 9.15    | 8.79    | 9.15    | 9.17    | 9.04    | 9.04    | 8.97    | 9.89   | 9.61   | 9.72    | 10.30   | 10.60    | 10.30    | 11.30    | < 25.0   | 10.10    | 10.10    | 10.00    | 10.10    |
| Fluoride                     | mg/L   |        | <0.500  |        |        | <0.500  | <0.500  | 0.143   | <0.200  | <0.200  | <0.200  | <0.200  | <0.200  | <0.200  | <0.500  | <0.200  | <0.200  | <0.200  | <0.200  | <0.200  | <0.200  | <0.200  | <0.500 | <0.500 | <0.500  | 0.165   | < 0.500  | < 0.500  | < 1.00   | < 2.50   | < 0.500  | < 0.500  | < 0.200  | < 0.500  |
| Sulfate as SO4               | mg/L   |        | 579.0   |        |        | 561.0   | 522.0   | 450.0   | 567.0   | 584.0   | 615.0   | 559.0   | 557.0   | 580.0   | 542.0   | 607.0   | 561.0   | 577.0   | 593.0   | 551.0   | 581.0   | 525.0   | 580.0  | 590.0  | 602.0   | 594.0   | 571.0    | 583.0    | 586.0    | 576.0    | 586.0    | 570.0    | 592.0    | 552.0    |
| Total Organic Carbon (TOC)   | mg/L   |        | 3.46    |        |        | 3.59    | 3.60    | 3.59    | 3.47    | 3.40    | 3.33    | 3.25    | 3.10    | 3.49    | 3.48    | 3.27    | 3.42    | 3.42    | 3.23    | 3.28    | 3.31    | 3.32    | 3.40   | 1.99   | 3.78    | 3.35    | 3.44     | 2.86     | 3.69     | 3.34     | 3.53     | 3.47     | 3.34     | 3.13     |
| Nitrate/Nitrite as N         | mg/L   |        | <0.020  |        |        | <0.02   | <0.02   | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | 0.255   | <0.020 | <0.020 | <0.020  | <0.020  | < 0.020  | < 0.020  | < 0.020  | 0.025    | < 0.020  | < 0.020  | < 0.020  | < 0.020  |
| Ammonia as N ^               | mg/L   |        | NA      |        |        | NA      | NA      | NA      | NA      | NA      | NA      | 0.312   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA     | NA     | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       |
| Ortho-Phosphate as P ^       | mg/L   |        | NA      |        |        | NA      | NA      | NA      | NA      | NA      | NA      | <0.0500 | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA     | NA     | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       |
| Aluminum                     | mg/L   |        | <0.100  |        |        | <0.05   | <0.05   | <0.100  | <0.100  | <0.100  | <0.100  | <0.250  | <0.150  | <0.250  | <0.250  | <0.250  | <0.250  | <0.150  | <0.250  | <0.100  | <0.100  | <0.100  | <0.100 | <0.250 | <0.250  | <0.250  | < 0.250  | < 0.250  | < 0.150  | < 0.100  | < 0.050  | < 0.050  | < 0.250  | < 0.250  |
| Arsenic                      | mg/L   |        | 0.0019  |        |        | 0.0005  | <0.0025 | <0.0010 | <0.0010 | <0.0005 | <0.0005 | <0.0010 | <0.0010 | <0.0010 | <0.0025 | <0.0025 | <0.0025 | 0.0005  | <0.0010 | <0.0010 | 0.0008  | <0.0010 | <0.001 | <0.001 | <0.0025 | <0.0025 | < 0.0025 | < 0.0025 | < 0.0025 | < 0.0025 | < 0.0025 | < 0.0025 | < 0.0025 | < 0.0020 |
| Cadmium                      | mg/L   |        | <0.0001 |        |        | <0.0001 | <0.0001 | <0.0002 | <0.0002 | <0.0001 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0005 | <0.0005 | <0.0005 | <0.0010 | <0.0010 | <0.0005 | <0.0010 | <0.0010 | <0.001 | <0.001 | <0.0025 | <0.0025 | < 0.0    |          |          |          |          |          |          |          |

GCC Energy Hydrologic Monitoring Data

| MW-4-MI                      |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |         |
|------------------------------|--------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|---------|
| Year                         | 2018   |        |         |        |        |         |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |         | 2023    |         |         |          | 2024     |          |          |          | 2025     |          |         |
| Quarter                      | Q1     |        |         | Q2     |        | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4       | Q1       | Q2       | Q3       | Q4       | Q1       | Q2       |         |
| Month                        | 1      | 2      | 3       | 4      | 5      | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 9       | 11      | 3       | 5       | 8       | 11       | 2        | 6        | 8        | 11       | 2        | 5        |         |
| Sample Date                  | 1/3    | 2/21   | 3/23    | 4/12   | 5/14   | 8/8     | 11/5    | 2/27    | 5/22    | 8/15    | 11/12   | 2/6     | 5/26    | 8/27    | 11/25   | 2/10    | 5/18    | 8/10    | 11/10   | 2/23    | 5/11    | 9/1     | 11/17   | 3/9     | 5/31    | 8/7     | 11/16    | 2/12     | 6/20     | 8/13     | 11/22    | 2/7      | 5/14     |         |
| Lab Analysis (Y/N)           | N      | Y      | N       | N      | Y      | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y        | Y        | Y        | Y        | Y        | Y        | Y        |         |
| Field Parameters:            |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |         |
| Purge Flow Rate              | gpm    | NM     | 0.10    | NM     | 0.10   | 0.10    | 0.10    | 0.06    | 0.06    | 0.13    | 0.25    | 0.13    | 0.13    | 0.13    | 0.13    | 0.13    | 0.13    | 0.25    | 0.25    | 0.25    | 0.25    | 0.15    | 0.09    | 0.22    | 0.13    | 0.91    | 0.12     | 0.12     | 0.14     | 0.12     | 0.12     | 0.12     | 0.07     |         |
| Total Purged                 | gal    | 1.3    | 1.5     | 1.5    | 1.0    | 1.3     | 1.8     | 1.6     | 2.0     | 1.3     | 1.1     | 1.0     | 1.3     | 1.2     | 1.3     | 1.3     | 1.5     | 1.3     | 1.5     | 1.5     | 1.3     | 1.5     | 1.0     | 1.3     | 1.1     | 1.1     | 1.1      | 1.2      | 1.2      | 1.2      | 1.2      | 1.2      | 1.2      |         |
| Depth to Water               | ft bgs | 330.52 | 330.42  | 330.53 | 330.50 | 329.62  | 331.10  | 336.57  | 331.10  | 331.06  | 331.92  | 332.10  | 332.50  | 332.87  | 332.45  | 333.29  | 333.22  | 329.27  | 333.57  | 333.65  | 333.45  | 333.80  | 334.22  | 334.15  | 334.35  | 334.85  | 335.30   | 335.55   | 335.18   | 335.80   | 335.72   | 335.30   | 335.00   | 334.71  |
| Temperature                  | deg C  | 11.2   | 11.0    | 10.5   | 10.9   | 10.1    | 11.8    | 11.3    | 11.1    | 10.8    | 13.3    | 11.6    | 11.8    | 12.2    | 12.9    | 11.8    | 10.8    | 11.6    | 12.1    | 11.7    | 11.0    | 12.0    | 13.0    | 11.5    | 11.5    | 12.9    | 12.5     | 12.1     | 10.9     | 12.5     | 12.7     | 12.4     | 11.2     | 11.7    |
| pH                           | SU     | 8.62   | 8.48    | 8.53   | 8.01   | 8.50    | 8.14    | 8.25    | 8.38    | 8.23    | 8.14    | 8.26    | 8.18    | 8.42    | 8.45    | 8.57    | 8.57    | 8.60    | 8.59    | 8.59    | 8.46    | 8.56    | 8.51    | 7.87    | 8.62    | 8.62    | 8.62     | 8.53     | 8.08     | 7.63     | 7.61     | 8.20     | 8.49     | 8.56    |
| Specific Conductance         | µS/cm  | 1848   | 1856    | 1841   | 1816   | 1739    | 1756    | 1808    | 1716    | 1800    | 1830    | 1776    | 1795    | 1794    | 1730    | 1777    | 1605    | 1258    | 1711    | 1761    | 1745    | 1727    | 1718    | 1749    | 1673    | 1728    | 1710     | 1791     | 1784     | 1695     | 1712     | 1780     | 1866     | 1726    |
| Oxygen Reduction Potential   | mV     | -112.5 | -151.3  | -145.7 | -117.7 | -130.0  | -178.2  | -202.3  | -140.4  | -154.7  | -127.3  | -76.8   | -50.6   | -131.2  | -92.0   | -87.7   | -53.9   | -105.9  | -97.8   | -118.1  | -141.5  | -128.8  | -247.1  | -131.9  | 85.0    | -139.7  | -81.2    | -267.6   | -266.9   | -140.8   | -93.9    | -157.0   | -182.8   | -142.8  |
| Lab Analytical Results:      |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |         |
| Hardness as CaCO3            | mg/L   |        | 6.01    |        |        | 5.88    | 6.06    | 6.39    | 5.35    | 4.93    | 5.65    | 3.31    | 4.70    | <3.31   | 5.19    | 2.84    | 4.91    | 3.79    | 4.59    | 4.53    | 4.17    | 4.15    | 4.59    | <3.31   | 3.84    | 4.11    | < 3.31   | 3.91     | 3.70     | 4.92     | 4.90     | 5.10     | 4.80     | < 3.31  |
| pH (Lab)                     | SU     |        | 8.47    |        |        | 8.48    | 8.31    | 8.47    | 8.35    | 8.30    | 8.44    | 8.08    | 8.33    | 8.02    | 8.28    | 8.38    | 8.21    | 8.38    | 8.28    | 8.59    | 8.35    | 8.42    | 8.68    | 8.48    | 8.25    | 8.41    | 8.44     | 8.59     | 7.39     | 8.23     | 8.26     | 8.37     | 8.49     | 8.40    |
| Total Dissolved Solids (Lab) | mg/L   |        | 1220    |        |        | 1140    | 1120    | 1100    | 1130    | 1130    | 1140    | 1120    | 1110    | 1110    | 1070    | 1170    | 1130    | 1100    | 1130    | 1090    | 1100    | 1140    | 1070    | 1060    | 1030    | 1030    | 1060     | 1050     | 1000     | 1030     | 1120     | 1070     | 1030     | 1110    |
| Calcium                      | mg/L   |        | 1.6     |        |        | 1.6     | 1.6     | 1.6     | 1.4     | 1.3     | 1.5     | 1.3     | 1.2     | 1.2     | 1.3     | 1.1     | 2.0     | 1.1     | 1.2     | 1.1     | 1.1     | 1.1     | 1.0     | 1.0     | 1.0     | 0.8     | 1.0      | 1.0      | 1.4      | 1.3      | 1.4      | 1.3      | 1.2      |         |
| Magnesium                    | mg/L   |        | 0.5     |        |        | 0.5     | 0.5     | 0.6     | 0.4     | 0.4     | 0.5     | <0.500  | 0.4     | <0.500  | 0.5     | <0.400  | <0.500  | 0.3     | 0.4     | 0.4     | 0.4     | 0.3     | 0.4     | <0.500  | 0.3     | 0.4     | < 0.500  | 0.4      | 0.3      | 0.4      | 0.4      | 0.4      | < 0.500  |         |
| Sodium                       | mg/L   |        | 447.0   |        |        | 471.0   | 470.0   | 500.0   | 462.0   | 458.0   | 496.0   | 477.0   | 441.0   | 460.0   | 459.0   | 458.0   | 476.0   | 431.0   | 427.0   | 418.0   | 430.0   | 443.0   | 448.0   | 384.0   | 468.0   | 427.0   | 428.0    | 424.0    | 439.0    | 427.0    | 440.0    | 450.0    | 466.0    | 443.0   |
| Potassium                    | mg/L   |        | <2.00   |        |        | 1.39    | <2.00   | <2.00   | 1.43    | 1.77    | 2.03    | <5.00   | <2.00   | <5.00   | <3.00   | <4.00   | <5.00   | <2.00   | <2.00   | <2.00   | <2.00   | <2.00   | <2.00   | <5.00   | <2.00   | <2.00   | < 5.00   | < 2.00   | < 2.00   | < 2.00   | 1.39     | 1.33     | 1.81     | < 5.00  |
| Alkalinity, Total            | mg/L   |        | 965     |        |        | 955     | 968     | 995     | 510     | 890     | 970     | 978     | 985     | 1030    | 1020    | 1010    | 990     | 1020    | 985     | 1140    | 935     | 1020    | 1180    | 920     | 1040    | 965     | 955      | 985      | 975      | 1040     | 1070     | 1090     | 1020     | 980     |
| Alkalinity, Bicarbonate      | mg/L   |        | 875     |        |        | 865     | 896     | 885     | 420     | 650     | 880     | 886     | 895     | 935     | 940     | 965     | 910     | 900     | 865     | 1020    | 825     | 870     | 1040    | 720     | 980     | 865     | 907      | 945      | 975      | 995      | 1020     | 905      | 920      | 840     |
| Alkalinity, Carbonate        | mg/L   |        | 90.0    |        |        | 90.0    | 72.0    | 110.0   | 90.0    | 240.0   | 90.0    | 92.0    | 90.0    | 90.0    | 80.0    | 40.0    | 80.0    | 120.0   | 120.0   | 120.0   | 110.0   | 150.0   | 140.0   | 200.0   | 60.0    | 100.0   | 48.0     | 40.0     | < 10.0   | 40.0     | 50.0     | 180.0    | 100.0    | 140.0   |
| Alkalinity, Hydroxide        | mg/L   |        | <10.0   |        |        | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    |         |
| Chloride                     | mg/L   |        | 8.74    |        |        | 7.99    | 5.68    | 5.38    | 5.98    | 5.98    | 5.83    | 5.47    | 5.37    | 5.11    | 5.02    | 4.97    | 4.89    | 4.85    | 4.91    | 4.98    | 4.55    | 4.36    | 4.29    | <5.00   | 25.40   | 3.91    | < 5.00   | 3.62     | < 5.00   | 3.46     | 3.36     | < 5.00   | 3.25     | < 5.00  |
| Fluoride                     | mg/L   |        | 5.020   |        |        | 4.820   | 4.840   | 4.940   | 5.490   | 5.440   | 5.380   | 5.310   | 5.110   | 5.160   | 5.000   | 5.270   | 4.920   | 5.030   | 5.200   | 4.780   | 5.160   | 4.730   | 5.420   | 5.130   | 5.420   | 5.310   | 4.320    | 4.830    | 5.080    | 5.660    | 5.570    | 5.740    | 5.810    | 5.180   |
| Sulfate as SO4               | mg/L   |        | 68.6    |        |        | 54.4    | 48.3    | 47.6    | 38.7    | 34.4    | 31.9    | 28.2    | 24.6    | 21.9    | 20.0    | 18.7    | 17.1    | 16.1    | 16.4    | 13.7    | 13.4    | 12.4    | 12.7    | 11.7    | 21.8    | 10.1    | < 5.00   | 8.2      | 8.5      | 9.0      | 8.9      | 9.3      | 9.4      | 8.4     |
| Total Organic Carbon (TOC)   | mg/L   |        | 9.54    |        |        | 9.25    | 8.94    | 8.48    | 8.37    | 8.25    | 7.81    | 6.42    | 6.63    | 6.55    | 5.93    | 5.77    | 5.78    | 5.36    | 5.29    | 5.09    | 4.80    | 4.28    | 4.73    | 2.31    | 4.82    | 4.52    | 4.06     | 4.05     | 4.07     | 3.57     | 3.53     | 3.66     | 3.51     | 3.14    |
| Nitrate/Nitrite as N         | mg/L   |        | <0.020  |        |        | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | 0.040   | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020 |
| Ammonia as N ^               | mg/L   |        | NA      |        |        | NA      | NA      | NA      | NA      | NA      | NA      | 0.240   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA      |
| Ortho-Phosphate as P ^       | mg/L   |        | NA      |        |        | NA      | NA      | NA      | NA      | NA      | NA      | 0.2800  | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA      |
| Aluminum                     | mg/L   |        | <0.100  |        |        | <0.050  | <0.100  | <0.100  | <0.050  | <0.050  | <0.100  | <0.250  | <0.100  | <0.250  | <0.150  | <0.200  | <0.250  | <0.100  | <0.100  | <0.100  | <0.100  | <0.100  | <0.100  | <0.250  | <0.100  | <0.100  | < 0.250  | < 0.100  | < 0.100  | < 0.100  | < 0.050  | < 0.050  | < 0.050  | < 0.250 |
| Arsenic                      | mg/L   |        | 0.0139  |        |        | 0.0153  | 0.0140  | 0.0119  | 0.0164  | 0.0111  | 0.0116  | 0.0107  | 0.0127  | 0.0139  | 0.0084  | 0.0092  | 0.0088  | 0.0110  | 0.0099  | 0.0093  | 0.0120  | 0.0092  | 0.0094  | 0.0090  | 0.0100  | 0.0074  | 0.0090   | 0.0101   | 0.0079   | 0.0082   | 0.0078   | 0.0088   | 0.0093   | 0.0059  |
| Cadmium                      | mg/L   |        | <0.0001 |        |        | <0.0001 | <0.0001 | <0.0002 | <0.0001 | <0.0001 | <0.0001 | <0.0002 | <0.0002 | <0.0001 | <0.0005 | <0.0004 | <0.0005 | <0.0005 | <0.0010 | <0.0010 | <0.0005 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0025 | < 0.0025 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0005 | < 0.0005 | < 0.0005 | < 0     |

GCC Energy Hydrologic Monitoring Data

| MW-4-C                       |        |        |         |        |        |         |         |         |         |         |         |         |         |         |          |        |         |         |         |        |        |        |        |        |        |         |         |         |         |         |         |         |         |         |
|------------------------------|--------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|--------|---------|---------|---------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                         | 2018   |        |         |        |        |         |         | 2019    |         |         |         | 2020    |         |         |          | 2021   |         |         |         | 2022   |        |        |        | 2023   |        |         |         | 2024    |         |         |         | 2025    |         |         |
| Quarter                      | Q1     |        |         | Q2     |        | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4       | Q1     | Q2      | Q3      | Q4      | Q1     | Q2     | Q3     | Q4     | Q1     | Q2     | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      |         |
| Month                        | 1      | 2      | 3       | 4      | 5      | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 12       | 2      | 5       | 8       | 11      | 2      | 5      | 9      | 11     | 3      | 5      | 8       | 11      | 2       | 6       | 8       | 11      | 2       | 5       |         |
| Sample Date                  | 1/3    | 2/21   | 3/23    | 4/12   | 5/14   | 8/8     | 11/5    | 2/27    | 5/22    | 8/15    | 11/12   | 2/4     | 5/26    | 8/27    | SQL inst | 2/10   | 5/18    | 8/10    | 11/10   | 2/23   | 5/11   | 9/1    | 11/17  | 3/9    | 5/31   | 8/18    | 11/16   | 2/12    | 6/20    | 8/13    | 11/22   | 2/7     | 5/14    |         |
| Lab Analysis (Y/N)           | N      | Y      | N       | N      | Y      | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y        | Y      | Y       | Y       | Y       | Y      | Y      | Y      | Y      | Y      | Y      | Y       | Y       | Y       | Y       | Y       | Y       | Y       |         |         |
| Field Parameters:            |        |        |         |        |        |         |         |         |         |         |         |         |         |         |          |        |         |         |         |        |        |        |        |        |        |         |         |         |         |         |         |         |         |         |
| Purge Flow Rate              | gpm    | NM     | 0.10    | NM     | 0.10   | 0.10    | 0.10    | 0.20    | 0.12    | 0.06    | 0.13    | 0.13    | 0.13    | 0.13    | 0.13     | 0.10   | 0.13    | 0.13    | 0.13    | 0.25   | 0.25   | 0.18   | 0.08   | 0.09   | 0.16   | 0.08    | 0.08    | 0.12    | 0.11    | 0.08    | 0.09    | 0.10    | 0.08    |         |
| Total Purged                 | gal    | 1.5    | 1.5     | 1.5    | 1.0    | 1.5     | 1.0     | 1.3     | 1.5     | 1.3     | 1.1     | 1.0     | 1.5     | 1.2     | 1.5      | 1.3    | 1.5     | 1.5     | 1.5     | 1.5    | 1.5    | 1.0    | 1.1    | 1.1    | 1.1    | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     |         |
| Depth to Water               | ft bgs | 282.35 | 281.30  | 303.30 | 304.05 | NM      | 302.55  | 302.17  | 302.45  | 303.93  | 304.93  | 305.73  | 306.44  | 304.90  | 307.80   | 308.05 | 308.65  | 308.58  | 309.32  | 309.90 | 309.80 | 311.45 | 310.88 | 311.37 | 310.15 | 311.45  | 311.85  | 311.55  | 311.35  | 310.24  | 311.74  | 311.77  | 312.30  | 311.85  |
| Temperature                  | deg C  | 11.7   | 10.8    | 12.5   | 11.4   | 12.4    | 12.9    | 11.5    | 11.3    | 11.2    | 12.5    | 11.7    | 11.2    | 12.7    | 13.0     | 11.4   | 10.0    | 11.4    | 12.3    | 11.7   | 10.3   | 12.2   | 13.8   | 12.1   | 11.1   | 13.8    | 13.7    | 12.4    | 11.0    | 12.8    | 12.7    | 11.3    | 11.1    | 12.1    |
| pH                           | SU     | 7.80   | 7.88    | 7.94   | 7.75   | 7.79    | 7.76    | 7.79    | 7.87    | 7.86    | 7.81    | 7.85    | 7.87    | 7.97    | 8.00     | 8.05   | 8.02    | 8.05    | 8.12    | 8.11   | 8.06   | 8.05   | 8.06   | 8.28   | 8.15   | 8.09    | 8.17    | 8.02    | 8.00    | 7.91    | 7.98    | 7.96    | 7.90    | 7.96    |
| Specific Conductance         | µS/cm  | 5834   | 5903    | 5628   | 5792   | 5592    | 5583    | 5775    | 5710    | 5712    | 5930    | 5636    | 5729    | 5636    | 5429     | 5665   | 5106    | 4047    | 5454    | 5687   | 5698   | 5645   | 5589   | 5649   | 5116   | 5678    | 5560    | 5842    | 5792    | 5580    | 5751    | 5761    | 6075    | 5662    |
| Oxygen Reduction Potential   | mV     | -123.8 | -154.3  | -131.3 | -134.9 | -129.3  | -157.6  | -209.0  | -160.1  | -180.1  | -156.8  | -148.7  | -135.9  | -147.7  | -132.1   | -128.7 | -106.2  | -100.6  | -142.3  | -173.0 | -255.6 | -178.7 | -278.7 | -161.3 | -158.1 | -168.9  | -182.7  | -255.3  | -250.2  | -190.4  | -194.8  | -231.9  | -182.9  | -190.8  |
| Lab Analytical Results:      |        |        |         |        |        |         |         |         |         |         |         |         |         |         |          |        |         |         |         |        |        |        |        |        |        |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3            | mg/L   |        | 26.50   |        |        | 26.20   | 25.90   | 28.60   | 23.60   | 22.50   | 25.20   | 24.40   | 24.00   | 22.70   | 23.00    | 21.80  | 25.60   | 19.60   | 21.90   | 20.90  | 22.20  | 21.40  | 26.00  | 20.10  | 21.10  | 21.00   | 24.30   | 22.10   | 23.50   | 20.90   | 23.70   | 23.60   | 22.00   | 23.00   |
| pH (Lab)                     | SU     |        | 7.84    |        |        | 7.97    | 7.96    | 8.27    | 7.90    | 7.92    | 7.95    | 7.85    | 7.95    | 7.76    | 7.92     | 7.94   | 7.96    | 7.97    | 7.96    | 8.08   | 8.01   | 8.07   | 8.19   | 8.15   | 7.98   | 8.12    | 8.04    | 8.13    | 7.65    | 8.01    | 8.05    | 7.94    | 7.99    | 7.97    |
| Total Dissolved Solids (Lab) | mg/L   |        | 3730    |        |        | 3660    | 3650    | 3590    | 3580    | 3590    | 3610    | 3610    | 3580    | 3570    | 3510     | 3610   | 3720    | 3540    | 3600    | 3630   | 3520   | 3580   | 3670   | 3530   | 3620   | 3450    | 3390    | 3560    | 3420    | 3490    | 3590    | 3510    | 3500    | 3510    |
| Calcium                      | mg/L   |        | 6.3     |        |        | 6.2     | 5.9     | 6.6     | 5.5     | 5.2     | 5.8     | 5.6     | 5.6     | 5.3     | 5.3      | 5.2    | 6.0     | 4.6     | 5.1     | 4.8    | 5.0    | 5.1    | 6.0    | 4.7    | 4.8    | 4.8     | 5.7     | 5.2     | 5.5     | 4.9     | 5.5     | 5.6     | 5.2     | 5.2     |
| Magnesium                    | mg/L   |        | 2.6     |        |        | 2.6     | 2.7     | 2.9     | 2.4     | 2.3     | 2.6     | 2.5     | 2.4     | 2.3     | 2.4      | 2.2    | 2.6     | 2.0     | 2.3     | 2.2    | 2.3    | 2.1    | 2.7    | 2.1    | 2.2    | 2.2     | 2.5     | 2.2     | 2.4     | 2.1     | 2.4     | 2.4     | 2.2     | 2.4     |
| Sodium                       | mg/L   |        | 1410.0  |        |        | 1400.0  | 1410.0  | 1590.0  | 1410.0  | 1370.0  | 1440.0  | 1430.0  | 1440.0  | 1390.0  | 1400.0   | 1400.0 | 1520.0  | 1310.0  | 1340.0  | 1270.0 | 1360.0 | 1350.0 | 1530.0 | 1290.0 | 1410.0 | 1360.0  | 1440.0  | 1360.0  | 1410.0  | 1370.0  | 1480.0  | 1370.0  | 1440.0  | 1370.0  |
| Potassium                    | mg/L   |        | <10.0   |        |        | <5.00   | <5.00   | 5.36    | <5.00   | <5.00   | 5.42    | <10.0   | <5.00   | <10.0   | <10.0    | <10.0  | <10.0   | <6.00   | <5.00   | <5.00  | <5.00  | <5.00  | <5.00  | <10.0  | <10.0  | <10.0   | < 10.0  | < 10.0  | < 6.00  | 4.13    | 4.32    | 4.71    | < 5.00  | < 5.00  |
| Alkalinity, Total            | mg/L   |        | 2600    |        |        | 2410    | 2480    | 2450    | 2470    | 2550    | 2500    | 2470    | 2480    | 2460    | 2500     | 2950   | 2470    | 2500    | 2410    | 2630   | 2360   | 2500   | 2430   | 2250   | 2580   | 2240    | 2460    | 2460    | 2350    | 2580    | 2620    | 2410    | 2460    | 2420    |
| Alkalinity, Bicarbonate      | mg/L   |        | 2600    |        |        | 2330    | 2480    | 2450    | 2470    | 2350    | 2390    | 2410    | 2420    | 2340    | 2390     | 2880   | 2430    | 2360    | 2290    | 2410   | 2180   | 2300   | 2430   | 2250   | 2490   | 2240    | 2330    | 2420    | 2330    | 2380    | 2280    | 2410    | 2320    | 2160    |
| Alkalinity, Carbonate        | mg/L   |        | <10.0   |        |        | 80.0    | <10.0   | <10.0   | <10.0   | 200.0   | 110.0   | 60.0    | 60.0    | 120.0   | 110.0    | 70.0   | 40.0    | 140.0   | 120.0   | 220.0  | 180.0  | 200.0  | <10.0  | <10.0  | 90.0   | <10.0   | 130.0   | 40.0    | 20.0    | 200.0   | 340.0   | < 10.0  | 140.0   | 260.0   |
| Alkalinity, Hydroxide        | mg/L   |        | <10.0   |        |        | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0    | <10.0  | <10.0   | <10.0   | <10.0   | <10.0  | <10.0  | <10.0  | <10.0  | <10.0  | <10.0  | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   |         |
| Chloride                     | mg/L   |        | 592.00  |        |        | 573.00  | 533.00  | 590.00  | 575.00  | 554.00  | 580.00  | 525.00  | 528.00  | 555.00  | 543.00   | 565.00 | 557.00  | 553.00  | 572.00  | 561.00 | 562.00 | 563.00 | 570.00 | 583.00 | 576.00 | 581.00  | 566.00  | 586.00  | 575.00  | 579.00  | 573.00  | 548.00  | 597.00  | 515.00  |
| Fluoride                     | mg/L   |        | 2.530   |        |        | 2.520   | 2.480   | 2.540   | 2.640   | 2.620   | 2.590   | 2.510   | 2.410   | 2.360   | 2.340    | 2.370  | 2.210   | 2.160   | 2.280   | 2.040  | 2.260  | 2.020  | 2.340  | 2.220  | 2.230  | 2.150   | 2.100   | 2.020   | 1.750   | 2.740   | 2.370   | 3.200   | 2.730   | 2.230   |
| Sulfate as SO4               | mg/L   |        | 34.5    |        |        | 27.0    | 18.7    | 11.2    | 5.1     | <5.00   | <5.00   | <5.00   | <5.00   | <5.00   | <5.00    | <5.00  | <5.00   | <5.00   | <5.00   | <5.00  | <5.00  | <5.00  | <10.0  | <10.0  | <5.00  | < 10.0  | < 10.0  | < 10.0  | 11.1    | < 10.0  | < 10.0  | < 2.00  | < 5.00  | < 10.0  |
| Total Organic Carbon (TOC)   | mg/L   |        | 3.23    |        |        | 3.23    | 2.80    | 3.46    | 3.24    | 2.62    | 2.63    | 4.18    | 2.23    | 2.50    | 2.31     | 3.72   | 4.57    | 4.92    | 4.81    | 4.70   | 5.93   | 4.91   | 4.39   | 3.19   | 4.75   | 5.54    | 7.10    | 19.60   | 6.25    | 5.89    | 6.08    | 6.76    | 6.52    | 4.21    |
| Nitrate/Nitrite as N         | mg/L   |        | <0.020  |        |        | <0.020  | <0.020  | <0.020  | 0.061   | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020   | <0.020 | <0.020  | <0.020  | <0.020  | <0.020 | <0.040 | <0.020 | <0.100 | <0.020 | <0.020 | <0.02   | < 0.020 | < 0.020 | 0.252   | < 0.020 | < 0.020 | < 0.020 | < 0.020 | < 0.020 |
| Ammonia as N ^               | mg/L   |        | NA      |        |        | NA      | NA      | NA      | NA      | NA      | NA      | 0.424   | NA      | NA      | NA       | NA     | NA      | NA      | NA      | NA     | NA     | NA     | NA     | NA     | NA     | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |
| Ortho-Phosphate as P ^       | mg/L   |        | NA      |        |        | NA      | NA      | NA      | NA      | NA      | NA      | 0.1820  | NA      | NA      | NA       | NA     | NA      | NA      | NA      | NA     | NA     | NA     | NA     | NA     | NA     | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |
| Aluminum                     | mg/L   |        | <0.500  |        |        | <0.250  | <0.250  | <0.250  | <0.250  | <0.250  | <0.250  | <0.500  | <0.250  | <0.500  | <0.500   | <0.500 | <0.500  | <0.300  | <0.250  | <0.250 | <0.250 | <0.250 | <0.500 | <0.500 | <0.500 | < 0.500 | < 0.500 | < 0.500 | < 0.300 | < 0.100 | < 0.050 | < 0.050 | < 0.250 | < 0.250 |
| Arsenic                      | mg/L   |        | 0.0246  |        |        | 0.0195  | 0.0202  | 0.0164  | 0.0211  | 0.0171  | 0.0178  | 0.0179  | 0.0203  | 0.0195  | 0.0150   | 0.0182 | 0.0177  | 0.0212  | 0.0248  | 0.0213 | 0.0213 | 0.0172 | 0.0219 | 0.0207 | 0.0218 | 0.0155  | 0.0237  | 0.0179  | 0.0181  | 0.0221  | 0.0215  | 0.0211  | 0.0221  | 0.0202  |
| Cadmium                      | mg/L   |        | <0.0005 |        |        | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0001 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.001   | <0.001 | <0.0010 | <0.0025 | <0.0025 | &      |        |        |        |        |        |         |         |         |         |         |         |         |         |         |



GCC Energy Hydrologic Monitoring Data

| MW-6-A                        |        |         |        |         |        |        |         |        |        |         |      |         |         |         |         |         |         |         |         |         |         |         |       |      |      |     |       |      |      |      |       |      |      |
|-------------------------------|--------|---------|--------|---------|--------|--------|---------|--------|--------|---------|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|------|------|-----|-------|------|------|------|-------|------|------|
| Year                          | 2018   | 2019    |        |         |        |        |         |        |        |         |      | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |       | 2023 |      |     |       | 2024 |      |      |       | 2025 |      |
| Quarter                       | Q4     | Q1      |        |         | Q2     |        |         | Q3     |        |         | Q4   | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4    | Q1   | Q2   | Q3  | Q4    | Q1   | Q2   | Q3   | Q4    | Q1   | Q2   |
| Month                         | 12     | 1       | 2      | 3       | 4      | 5      | 6       | 7      | 8      | 9       | 11   | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11    | 3    | 5    | 8   | 11    | 2    | 6    | 8    | 11    | 2    | 5    |
| Sample Date                   | 12/28  | 1/31    | 2/21   | 3/21    | 4/23   | 5/20   | 6/19    | 7/23   | 8/15   | 9/24    | 11/7 | 2/5     | 5/14    | 8/11    | 11/25   | 2/9     | 5/17    | 8/9     | 11/9    | 2/15    | 5/10    | 8/31    | 11/25 | 3/13 | 5/18 | 8/8 | 11/16 | 2/5  | 6/19 | 8/13 | 11/21 | 2/7  | 5/14 |
| Lab Analysis (Y/N)            | Y      | N       | Y      | N       | N      | Y      | N       | N      | Y      | N       | Y    | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | N       | N     | N    | N    | N   | N     | N    | N    | N    | N     | N    | N    |
| Field Parameters:             |        |         |        |         |        |        |         |        |        |         |      |         |         |         |         |         |         |         |         |         |         |         |       |      |      |     |       |      |      |      |       |      |      |
| Purge Flow Rate               | gpm    | NM      | NM     | 0.10    | 2.00   | 0.03   | 0.03    | 0.03   | 0.06   | 0.03    | 0.02 | 0.01    | 0.05    | 0.13    | 0.05    | 0.05    | 0.05    | 0.02    | 0.13    | 0.02    | 0.05    | 0.10    | dry   | dry  | dry  | dry | dry   | dry  | dry  | dry  | dry   | dry  | dry  |
| Total Purged                  | gal    | 36.3    | 0.5    | 0.5     | 2.0    | 2.0    | 1.3     | 1.0    | 1.3    | 1.1     | 1.3  | 1.5     | 1.1     | 1.0     | 1.3     | 1.0     | 1.0     | 1.0     | 1.0     | 1.0     | 1.0     |         |       |      |      |     |       |      |      |      |       |      |      |
| Depth to Water                | ft bgs | 304.33  | 306.41 | 307.40  | 309.60 | 311.05 | 312.50  | 314.20 | 315.75 | 316.43  | NM   | 318.70  | 315.46  | 319.63  | 319.64  | 319.65  | 319.66  | 319.66  | 319.64  | 319.66  | 320.30  | 320.68  |       |      |      |     |       |      |      |      |       |      |      |
| Temperature                   | deg C  | 7.4     | 10.7   | 8.1     | 7.5    | 9.6    | 7.3     | 12.5   | 12.3   | 11.9    | 10.4 | 10.4    | 7.8     | 9.8     | 19.5    | 8.0     | 9.7     | 12.6    | 19.4    | 10.7    | 11.5    | 17.3    |       |      |      |     |       |      |      |      |       |      |      |
| pH                            | SU     | 7.32    | 6.64   | 6.66    | 6.74   | 6.65   | 6.73    | 6.76   | 6.75   | 6.76    | 6.80 | 6.79    | 6.89    | 6.95    | 6.97    | 7.10    | 7.03    | 7.10    | 7.11    | 7.11    | 7.02    | 7.05    |       |      |      |     |       |      |      |      |       |      |      |
| Specific Conductance          | µS/cm  | 6573    | 6053   | 6072    | 6107   | 6012   | 6057    | 5725   | 5598   | 5562    | 5451 | 5108    | 5043    | 4779    | 4339    | 4656    | 4051    | 3198    | 4238    | 4465    | 4486    | 4477    |       |      |      |     |       |      |      |      |       |      |      |
| Oxygen Reduction Potential    | mV     | -22.8   | 19.4   | 24.6    | 12.6   | 11.8   | 34.8    | 86.6   | 25.8   | 6.5     | 29.2 | 20.5    | 36.7    | 51.7    | 62.3    | 55.2    | 73.5    | 83.5    | 5.2     | 26.5    | -56.1   | 2.4     |       |      |      |     |       |      |      |      |       |      |      |
| Lab Analytical Results:       |        |         |        |         |        |        |         |        |        |         |      |         |         |         |         |         |         |         |         |         |         |         |       |      |      |     |       |      |      |      |       |      |      |
| Hardness as CaCO3             | mg/L   | 4360    |        | 4190    |        |        | 3920    |        |        | 3540    |      | 3070    | 3200    | 2780    | 2690    | 2710    | 2660    | 2550    | 2740    | 2510    | 2440    | 2490    |       |      |      |     |       |      |      |      |       |      |      |
| pH (Lab)                      | SU     | 7.10    |        | 6.85    |        |        | 6.77    |        |        | 6.85    |      | 6.87    | 6.90    | 6.93    | 6.66    | 7.04    | 7.20    | 6.93    | 7.10    | 6.98    | 7.19    | 7.26    |       |      |      |     |       |      |      |      |       |      |      |
| Total Dissolved Solids (Lab)  | mg/L   | 6520    |        | 6520    |        |        | 120*    |        |        | 6080    |      | 5210    | 4980    | 4670    | 4490    | 4570    | 4480    | 4390    | 4440    | 4310    | 4440    | 4450    |       |      |      |     |       |      |      |      |       |      |      |
| Calcium                       | mg/L   | 615.0   |        | 559.0   |        |        | 553.0   |        |        | 492.0   |      | 431.0   | 467.0   | 400.0   | 398.0   | 406.0   | 398.0   | 378.0   | 415.0   | 370.0   | 359.0   | 365.0   |       |      |      |     |       |      |      |      |       |      |      |
| Magnesium                     | mg/L   | 687.0   |        | 678.0   |        |        | 617.0   |        |        | 560.0   |      | 484.0   | 495.0   | 431.0   | 411.0   | 413.0   | 404.0   | 390.0   | 413.0   | 385.0   | 374.0   | 383.0   |       |      |      |     |       |      |      |      |       |      |      |
| Sodium                        | mg/L   | 294.0   |        | 283.0   |        |        | 296.0   |        |        | 304.0   |      | 276.0   | 296.0   | 274.0   | 261.0   | 273.0   | 272.0   | 266.0   | 263.0   | 254.0   | 257.0   | 268.0   |       |      |      |     |       |      |      |      |       |      |      |
| Potassium                     | mg/L   | 15.00   |        | 14.40   |        |        | 12.40   |        |        | 12.80   |      | 11.10   | <20.0   | 10.60   | 10.30   | 10.50   | 11.10   | 10.70   | 11.00   | 10.40   | 10.70   | 10.60   |       |      |      |     |       |      |      |      |       |      |      |
| Alkalinity, Total             | mg/L   | 160     |        | 160     |        |        | 143     |        |        | 183     |      | 220     | 215     | 233     | 236     | 246     | 245     | 290     | 255     | 295     | 285     | 270     |       |      |      |     |       |      |      |      |       |      |      |
| Alkalinity, Bicarbonate       | mg/L   | 160     |        | 160     |        |        | 143     |        |        | 183     |      | 220     | 215     | 233     | 236     | 246     | 245     | 290     | 255     | 295     | 285     | 270     |       |      |      |     |       |      |      |      |       |      |      |
| Alkalinity, Carbonate         | mg/L   | <10.0   |        | <10.0   |        |        | <10.0   |        |        | <10.0   |      | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   |         |       |      |      |     |       |      |      |      |       |      |      |
| Alkalinity, Hydroxide         | mg/L   | <10.0   |        | <10.0   |        |        | <10.0   |        |        | <10.0   |      | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   |         |       |      |      |     |       |      |      |      |       |      |      |
| Chloride                      | mg/L   | 97.40   |        | 28.60   |        |        | 27.30   |        |        | 29.90   |      | 29.60   | 28.40   | 29.00   | 26.00   | 26.60   | 24.90   | 25.80   | 26.00   | 26.60   | 26.20   | 26.10   |       |      |      |     |       |      |      |      |       |      |      |
| Fluoride                      | mg/L   | 2.830   |        | <0.500  |        |        | <0.500  |        |        | <0.500  |      | <0.500  | <0.500  | <0.500  | <0.500  | <0.500  | <0.500  | <0.500  | <0.500  | <0.500  | <0.500  |         |       |      |      |     |       |      |      |      |       |      |      |
| Sulfate as SO4                | mg/L   | 205.0   |        | 4300.0  |        |        | 4280.0  |        |        | 4260.0  |      | 3460.0  | 3080.0  | 3020.0  | 3160.0  | 2890.0  | 2620.0  | 2740.0  | 2780.0  | 2790.0  | 2870.0  | 2820.0  |       |      |      |     |       |      |      |      |       |      |      |
| Total Organic Carbon (TOC)    | mg/L   | 3.45    |        | 3.08    |        |        | 2.91    |        |        | 3.57    |      | 3.10    | 3.16    | 3.39    | 3.31    | 3.26    | 1.71    | 3.82    | 3.33    | 3.25    | 3.26    | 3.14    |       |      |      |     |       |      |      |      |       |      |      |
| Nitrate/Nitrite as N          | mg/L   | <0.020  |        | <0.020  |        |        | <0.020  |        |        | <0.020  |      | <0.020  | 0.049   | 0.154   | 0.117   | 0.093   | 0.039   | 0.156   | 0.118   | 0.096   | 0.131   | 0.103   |       |      |      |     |       |      |      |      |       |      |      |
| Ammonia as N ^                | mg/L   | NA      |        | NA      |        |        | NA      |        |        | NA      |      | 2.720   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |       |      |      |     |       |      |      |      |       |      |      |
| Ortho-Phosphate as P ^        | mg/L   | NA      |        | NA      |        |        | NA      |        |        | NA      |      | <0.0500 | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |       |      |      |     |       |      |      |      |       |      |      |
| Aluminum                      | mg/L   | <0.500  |        | <0.250  |        |        | <0.250  |        |        | <0.250  |      | <0.250  | <1.00   | <0.500  | <0.250  | <0.500  | <0.250  | <0.250  | <0.250  | <0.250  | <0.250  |         |       |      |      |     |       |      |      |      |       |      |      |
| Arsenic                       | mg/L   | <0.0025 |        | <0.0025 |        |        | 0.0009  |        |        | <0.0025 |      | <0.0025 | <0.0025 | <0.0050 | <0.0025 | <0.0050 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0020 | <0.0025 |       |      |      |     |       |      |      |      |       |      |      |
| Cadmium                       | mg/L   | <0.0005 |        | <0.0005 |        |        | 0.0001  |        |        | <0.0005 |      | <0.0005 | <0.0005 | <0.0010 | <0.0005 | <0.0010 | <0.0005 | <0.0005 | <0.0025 | <0.0025 | <0.0020 | <0.0025 |       |      |      |     |       |      |      |      |       |      |      |
| Copper                        | mg/L   | 0.0116  |        | 0.0081  |        |        | 0.0035  |        |        | 0.0039  |      | 0.0017  | 0.0028  | <0.0050 | <0.0025 | <0.0050 | <0.0025 | 0.0068  | 0.0082  | 0.0063  | 0.0065  | 0.0093  |       |      |      |     |       |      |      |      |       |      |      |
| Iron                          | mg/L   | 1.370   |        | 3.750   |        |        | 3.930   |        |        | 3.220   |      | 2.720   | 1.950   | 1.380   | 1.100   | 1.240   | 1.170   | 0.890   | 1.480   | 1.150   | 1.410   | 1.370   |       |      |      |     |       |      |      |      |       |      |      |
| Lead                          | mg/L   | <0.0025 |        | <0.0025 |        |        | <0.0005 |        |        | <0.0025 |      | <0.0025 | <0.0025 | <0.0050 | <0.0025 | <0.0050 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0020 | <0.0025 |       |      |      |     |       |      |      |      |       |      |      |
| Manganese                     | mg/L   | 0.7880  |        | 0.8020  |        |        | 0.7240  |        |        | 0.6900  |      | 0.5850  | 0.5510  | 0.5260  | 0.5200  | 0.4540  | 0.4370  | 0.3970  | 0.4070  | 0.3910  | 0.4200  | 0.4310  |       |      |      |     |       |      |      |      |       |      |      |
| Mercury (dissolved)           | mg/L   | <0.0002 |        | <0.0002 |        |        | <0.0002 |        |        | <0.0002 |      | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |         |       |      |      |     |       |      |      |      |       |      |      |
| Mercury (dissolved low-level) | ng/L   |         |        |         |        |        |         |        |        |         |      |         |         |         |         |         |         |         |         |         | <5      |         |       |      |      |     |       |      |      |      |       |      |      |
| Molybdenum                    | mg/L   | <0.0025 |        | <0.0025 |        |        | <0.0005 |        |        | <0.0025 |      | <0.0025 | <0.0025 | <0.0050 | <0.0025 | <0.005  | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0020 | <0.0025 |       |      |      |     |       |      |      |      |       |      |      |
| Selenium                      | mg/L   | <0.0050 |        | <0.0050 |        |        | 0.0028  |        |        | <0.0050 |      | <0.0050 | <0.005  | <0.0100 | <0.0050 | <0.0100 | <0.0050 | <0.0050 | <0.0050 | <0.0100 | <0.0040 | <0.0050 |       |      |      |     |       |      |      |      |       |      |      |
| Silica (SiO2)                 | mg/L   | 12.30   |        | 11.90   |        |        | 14.30   |        |        | 13.40   |      | 12.50   | <21.4   | 11.00   | 11.40   | 12.30   | 11.90   | 13.20   | 14.30   | 13.60   | 12.70   | 12.30   |       |      |      |     |       |      |      |      |       |      |      |
| Silicon                       | mg/L   | 5.77    |        | 5.57    |        |        | 6.69    |        |        | 6.28    |      | 5.83    | <10.00  | 5.17    | 5.35    | 5.76    | 5.58    | 6.17    | 6.67    | 6.36    | 5.96    | 5.73    |       |      |      |     |       |      |      |      |       |      |      |
| Uranium                       | mg/L   | <0.0005 |        | <0.0005 |        |        | <0.0001 |        |        | <0.0005 |      | <0.0005 | <0.0025 | <0.0050 | <0.0025 | <0.0050 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0020 | <0.0025 |       |      |      |     |       |      |      |      |       |      |      |
| Zinc                          | mg/L   | 0.0689  |        | <0.0100 |        |        | 0.0082  |        |        | 0.0108  |      | 0.0117  | 0.0107  | <0.0200 | 0.0159  | <0.0200 | <0.0100 | <0.0100 | <0.0100 | <0.0100 | <0.0080 | <0.0100 |       |      |      |     |       |      |      |      |       |      |      |



## GCC Energy Hydrologic Monitoring Data

| MW-6-MI                      |        |         |        |         |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
|------------------------------|--------|---------|--------|---------|--------|----------------|--------|------|------|------|------|------|------|------|------|-------|------|------|-----|------|------|------|-----|-------|------|------|-----|-------|------|------|------|-------|------|------|
| Year                         | 2018   | 2019    |        |         |        |                |        |      |      |      |      |      | 2020 |      |      |       | 2021 |      |     |      | 2022 |      |     |       | 2023 |      |     |       | 2024 |      |      |       | 2025 |      |
| Quarter                      | Q4     | Q1      |        |         | Q2     |                |        |      | Q3   |      |      | Q4   | Q1   | Q2   | Q3   | Q4    | Q1   | Q2   | Q3  | Q4   | Q1   | Q2   | Q3  | Q4    | Q1   | Q2   | Q3  | Q4    | Q1   | Q2   | Q3   | Q4    | Q1   | Q2   |
| Month                        | 12     | 1       | 2      | 3       | 4      | 5              | 5      | 6    | 7    | 8    | 9    | 11   | 2    | 5    | 8    | 11    | 2    | 5    | 8   | 11   | 2    | 5    | 8   | 11    | 3    | 5    | 8   | 11    | 2    | 6    | 8    | 11    | 2    | 5    |
| Sample Date                  | 12/29  | 1/31    | 2/25   | 3/21    | 4/19   | 5/20           | 5/30   | 6/19 | 7/23 | 8/15 | 9/24 | 11/7 | 2/5  | 5/14 | 8/11 | 11/24 | 2/9  | 5/17 | 8/9 | 11/9 | 2/15 | 5/10 | 8/1 | 11/25 | 3/13 | 5/31 | 8/8 | 11/16 | 2/5  | 6/19 | 8/13 | 11/21 | 2/7  | 5/14 |
| Lab Analysis (Y/N)           | Y      | N       | Y      | N       | N      | N <sup>#</sup> | N      | N    | N    | N    | N    | N    | N    | N    | N    | N     | N    | N    | N   | N    | N    | N    | N   | N     | N    | N    | N   | N     | N    | N    | N    | N     | N    | N    |
| Field Parameters:            |        |         |        |         |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Purge Flow Rate              | gpm    | NM      | NM     | NM      | 0.50   | 0.10           | 0.02   | dry  |      | dry  | dry  | dry  | dry  | dry  | dry  | dry   | dry  | dry  | dry | dry  | dry  | dry  | dry | dry   | dry  | dry  | dry | dry   | dry  | dry  | dry  | dry   | dry  |      |
| Total Purged                 | gal    | 11.3    | 0.5    | 1.5     | 0.5    | 1.0            | 0.9    |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Depth to Water               | ft bgs | 374.49  | 368.09 | 367.92  | 370.49 | 369.50         | 371.00 |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Temperature                  | deg C  | 14.3    | 13.6   | 10.8    | 9.7    | 16.7           | 3.9    |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| pH                           | SU     | 8.26    | 7.43   | 7.21    | 7.55   | 7.97           | 7.84   |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Specific Conductance         | µS/cm  | 3390    | 3620   | 3132    | 2619   | 2202           | 2527   |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Oxygen Reduction Potential   | mV     | 103.0   | -80.2  | 77.6    | 59.8   | 38.3           | 64.9   |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Lab Analytical Results:      |        |         |        |         |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Hardness as CaCO3            | mg/L   | 679     |        | 147     |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| pH (Lab)                     | SU     | 8.18    |        | 8.35    |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Total Dissolved Solids (Lab) | mg/L   | 2480    |        | 1880    |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Calcium                      | mg/L   | 104.0   |        | 23.4    |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Magnesium                    | mg/L   | 102.0   |        | 21.6    |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Sodium                       | mg/L   | 646.0   |        | 565.0   |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Potassium                    | mg/L   | 12.00   |        | 5.30    |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Alkalinity, Total            | mg/L   | 395     |        | 615     |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Alkalinity, Bicarbonate      | mg/L   | 345     |        | 615     |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Alkalinity, Carbonate        | mg/L   | 50.0    |        | <10.0   |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Alkalinity, Hydroxide        | mg/L   | <10.0   |        | <10.0   |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Chloride                     | mg/L   | 175.00  |        | 178.00  |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Fluoride                     | mg/L   | 2.060   |        | 2.460   |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Sulfate as SO4               | mg/L   | 1210.0  |        | 585.0   |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Total Organic Carbon (TOC)   | mg/L   | 3.63    |        | 4.55    |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Nitrate/Nitrite as N         | mg/L   | 0.023   |        | <0.020  |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Aluminum                     | mg/L   | <0.100  |        | <0.100  |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Arsenic                      | mg/L   | 0.0084  |        | 0.0144  |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Cadmium                      | mg/L   | <0.0001 |        | <0.0002 |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Copper                       | mg/L   | 0.0113  |        | 0.0112  |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Iron                         | mg/L   | <0.100  |        | <0.100  |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Lead                         | mg/L   | <0.0005 |        | <0.0010 |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Manganese                    | mg/L   | 0.050   |        | 0.022   |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Mercury (dissolved)          | mg/L   | <0.0002 |        | <0.0002 |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Molybdenum                   | mg/L   | 0.0558  |        | 0.0690  |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |

### Notes & Definitions:

# No sample collected, due to low yield, insufficient volume for lab sample after field parameters we measured

Y/N    yes or no

**gpm**    gallons per minute

deg C    degrees Celsius

SU standard pH units

S/cm    microsiemens per centimeter

mV millivolts

mg/L milligram per liter

pCi/L picocuries per liter

NM not measured (field)

NA not analyzed (lab)

**ng/L** nanogram per liter

1. " $<$ " values denote that the quantification of that analyte is below the reporting level for the analytical laboratory, acceptable by environmental water quality laboratory industry standards.
2. Total alkalinity is measured by titration with hydrochloric acid to a set pH point, reporting this value as an equivalent amount of calcium carbonate. This value is then partitioned into bicarbonate, carbonate and hydroxide depending on the initial pH of the sample solution, each components reported as equivalent  $\text{CaCO}_3$ .
3. Industry standard Quality Assurance/Quality Control (QA/QC) protocol are followed for this hydrologic monitoring program by both GCC Energy and the contracted environmental water quality analytical laboratories. QA/QC results are not shown in this table.

GCC Energy Hydrologic Monitoring Data

| MW-6-C                        |        |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
|-------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|-----|------|------|------|-----|-------|------|------|-----|-------|------|------|------|-------|------|------|
| Year                          | 2018   | 2019 |      |      |      |      |      |      |      |      |      | 2020 |      |      |       | 2021 |      |     |      | 2022 |      |     |       | 2023 |      |     |       | 2024 |      |      |       | 2025 |      |
| Quarter                       | Q4     | Q1   |      |      | Q2   |      |      | Q3   |      |      | Q4   | Q1   | Q2   | Q3   | Q4    | Q1   | Q2   | Q3  | Q4   | Q1   | Q2   | Q3  | Q4    | Q1   | Q2   | Q3  | Q4    | Q1   | Q2   | Q3   | Q4    | Q1   | Q2   |
| Month                         | 12     | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 11   | 2    | 5    | 8    | 11    | 2    | 5    | 8   | 11   | 2    | 5    | 8   | 11    | 3    | 5    | 8   | 11    | 2    | 6    | 8    | 11    | 2    | 5    |
| Sample Date                   | 12/24  | 1/30 | 2/21 | 3/21 | 4/23 | 5/20 | 6/19 | 7/23 | 8/15 | 9/24 | 11/7 | 2/5  | 5/12 | 8/11 | 11/24 | 2/9  | 5/17 | 8/9 | 11/9 | 2/15 | 5/10 | 8/1 | 11/25 | 3/13 | 5/18 | 8/8 | 11/16 | 2/5  | 6/19 | 8/13 | 11/21 | 2/7  | 5/14 |
| Lab Analysis (Y/N)            | N      | N    | N    | N    | N    | N    | N    | N    | N    | N    | N    | N    | N    | N    | N     | N    | N    | N   | N    | N    | N    | N   | N     | N    | N    | N   | N     | N    | N    | N    | N     | N    | N    |
| Field Parameters:             |        |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Purge Flow Rate               | gpm    | dry  | dry  | dry  | dry  | dry  | dry  | dry  | dry  | dry  | dry  | dry  | dry  | dry  | dry   | dry  | dry  | dry | dry  | dry  | dry  | dry | dry   | dry  | dry  | dry | dry   | dry  | dry  | dry  | dry   | dry  |      |
| Total Purged                  | gal    |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Depth to Water                | ft bgs |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Temperature                   | deg C  |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| pH                            | SU     |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Specific Conductance          | µS/cm  |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Oxygen Reduction Potential    | mV     |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Lab Analytical Results:       |        |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Hardness as CaCO3             | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| pH (Lab)                      | SU     |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Total Dissolved Solids (Lab)  | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Calcium                       | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Magnesium                     | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Sodium                        | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Potassium                     | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Alkalinity, Total             | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Alkalinity, Bicarbonate       | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Alkalinity, Carbonate         | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Alkalinity, Hydroxide         | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Chloride                      | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Fluoride                      | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Sulfate as SO4                | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Total Organic Carbon (TOC)    | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Nitrate/Nitrite as N          | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Aluminum                      | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Arsenic                       | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Cadmium                       | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Copper                        | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Iron                          | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Lead                          | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Manganese                     | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Mercury (dissolved)           | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Mercury (dissolved low-level) | ng/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Molybdenum                    | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Selenium                      | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Silica (SiO2)                 | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Silicon                       | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Uranium                       | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |
| Zinc                          | mg/L   |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |     |      |      |      |     |       |      |      |     |       |      |      |      |       |      |      |

| Notes & Definitions: |                             |                                                                                                                                                                                                                                                                                                                                      |
|----------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Y/N                  | yes or no                   | 1. "≤" values denote that the quantification of that analyte is below the reporting level for the analytical laboratory, acceptable by environmental water quality laboratory industry standards.                                                                                                                                    |
| gpm                  | gallons per minute          |                                                                                                                                                                                                                                                                                                                                      |
| deg C                | degrees Celsius             |                                                                                                                                                                                                                                                                                                                                      |
| SU                   | standard pH units           | 2. Total alkalinity is measured by titration with hydrochloric acid to a set pH point, reporting this value as an equivalent amount of calcium carbonate. This value is then partitioned into bicarbonate, carbonate and hydroxide depending on the initial pH of the sample solution, each components reported as equivalent CaCO3. |
| µS/cm                | microsiemens per centimeter |                                                                                                                                                                                                                                                                                                                                      |
| mV                   | millivolts                  |                                                                                                                                                                                                                                                                                                                                      |
| mg/L                 | milligram per liter         |                                                                                                                                                                                                                                                                                                                                      |
| pCi/L                | picocuries per liter        |                                                                                                                                                                                                                                                                                                                                      |
| NM                   | not measured (field)        | 3. Industry standard Quality Assurance/Quality Control (QA/QC) protocol are followed for this hydrologic monitoring program by both GCC Energy and the contracted environmental water quality analytical laboratories. QA/QC results are not shown in this table.                                                                    |
| NA                   | not analyzed (lab)          |                                                                                                                                                                                                                                                                                                                                      |
| ng/L                 | nanogram per liter          |                                                                                                                                                                                                                                                                                                                                      |

GCC Energy Hydrologic Monitoring Data

| MW-6-LM                      |        |         |        |         |        |        |         |        |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |        |         |         |         |          |          |          |          |          |          |          |         |
|------------------------------|--------|---------|--------|---------|--------|--------|---------|--------|--------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|---------|
| Year                         | 2018   | 2019    |        |         |        |        |         |        |        |        |         |        | 2020   |         |         |         | 2021    |         |         |         | 2022    |         |         |         | 2023   |         |         |         | 2024     |          |          |          | 2025     |          |          |         |
| Quarter                      | Q4     | Q1      |        |         | Q2     |        |         | Q3     |        |        | Q4      |        | Q1     | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1     | Q2      | Q3      | Q4      | Q1       | Q2       | Q3       | Q4       | Q1       | Q2       |          |         |
| Month                        | 12     | 1       | 2      | 3       | 4      | 5      | 6       | 7      | 8      | 9      | 10      | 11     | 2      | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 3      | 5       | 8       | 11      | 2        | 6        | 8        | 11       | 2        | 5        |          |         |
| Sample Date                  | 12/30  | 1/31    | 2/25   | 3/21    | 4/23   | 5/20   | 6/19    | 7/23   | 8/15   | 9/24   | 10/28   | 11/7   | 2/5    | 5/14    | 8/11    | 11/25   | 2/9     | 5/17    | 8/9     | 11/9    | 2/15    | 5/10    | 8/31    | 11/25   | 3/13   | 5/31    | 8/8     | 11/16   | 2/12     | 6/19     | 8/13     | 11/21    | 2/7      | 5/14     |          |         |
| Lab Analysis (Y/N)           | Y      | N       | Y      | N       | N      | Y      | N       | N      | Y      | N      | N       | Y      | Y      | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y      | Y       | Y       | Y       | Y        | Y        | Y        | Y        | Y        | Y        |          |         |
| Field Parameters:            |        |         |        |         |        |        |         |        |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |        |         |         |         |          |          |          |          |          |          |          |         |
| Purge Flow Rate              | gpm    | NM      | NM     | 0.1     | 2.0    | 0.0    | 0.0     | 0.1    | 0.1    | 0.0    | 0.0     | 0.0    | 0.0    | 0.1     | 0.0     | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     | 0.2     | 0.1    | 0.0     | 0.1     | 0.1     | 0.2      | 0.0      | 0.0      | 0.1      | 0.1      | 0.1      |          |         |
| Total Purged                 | gal    | 1       | 1      | 2       | 2      | 2      | 2       | 1      | 1      | 2      | 2       | 2      | 2      | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 1       | 2       | 1      | 1       | 1       | 2       | 1        | 1        | 1        | 1        | 1        | 1        | 1        |         |
| Depth to Water               | ft bgs | 535.72  | 538.73 | 539.34  | 540.64 | 539.98 | 537.58  | 540.00 | 540.35 | 540.24 | 540.17  | 539.80 | 540.18 | 539.70  | 539.45  | 539.98  | 540.30  | 539.78  | 540.20  | 541.25  | 541.34  | 541.00  | 541.30  | 542.20  | 541.30 | 541.37  | 541.50  | 541.88  | 541.85   | 541.65   | 541.65   | 541.97   | 542.05   | 541.85   | 541.80   |         |
| Temperature                  | deg C  | 7.9     | 14.3   | 7.8     | 8.1    | 9.1    | 9.3     | 11.7   | 14.0   | 13.4   | 11.6    | 10.1   | 12.4   | 10.5    | 11.3    | 14.8    | 11.4    | 10.2    | 11.6    | 14.4    | 11.1    | 11.0    | 11.8    | 13.1    | 10.4   | 8.7     | 14.4    | 13.5    | 10.9     | 8.7      | 12.2     | 16.0     | 9.3      | 11.0     | 11.5     |         |
| pH                           | SU     | 7.64    | 7.38   | 7.51    | 7.54   | 7.49   | 7.54    | 7.67   | 7.80   | 7.65   | 7.43    | 7.45   | 7.37   | 7.39    | 7.54    | 7.44    | 7.47    | 7.44    | 7.54    | 7.52    | 7.49    | 7.46    | 7.56    | 7.64    | 7.70   | 7.77    | 7.58    | 7.67    | 7.55     | 7.65     | 7.36     | 7.49     | 7.48     | 7.57     | 7.39     |         |
| Specific Conductance         | µS/cm  | 6011    | 3784   | 3503    | 1461   | 1164   | 1296    | 1400   | 1272   | 1532   | 2104    | 2267   | 2113   | 2283    | 2287    | 2442    | 2495    | 2136    | 1629    | 2531    | 2478    | 2362    | 2297    | 2053    | 1889   | 1599    | 1321    | 1525    | 1655     | 1498     | 1153     | 1030     | 997      | 886      | 770      |         |
| Oxygen Reduction Potential   | mV     | 185.3   | 10.7   | 40.9    | -32.8  | -35.8  | -111.0  | -194.5 | -163.6 | -67.2  | 6.4     | -48.0  | 19.9   | -128.9  | -222.9  | 32.1    | 21.8    | 3.5     | -188.8  | -2.6    | -36.6   | -135.8  | -112.6  | -181.6  | -132.5 | -80.3   | -41.7   | -75.3   | -173.0   | -249.9   | -122.1   | -77.2    | -229.4   | -157.6   | -62.9    |         |
| Lab Analytical Results:      |        |         |        |         |        |        |         |        |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |        |         |         |         |          |          |          |          |          |          |          |         |
| Hardness as CaCO3            | mg/L   | 2260    |        | 1270    |        |        | 431     |        |        |        | 621     |        |        | 843     | 1060    | 965     | 1130    | 1160    | 1120    | 1010    | 1280    | 1130    | 1030    | 954     | 971    | 870     | 687     | 456     | 573      | 621      | 535      | 414      | 335      | 282      | 213      | 200     |
| pH (Lab)                     | SU     | 7.60    |        | 7.52    |        |        | 7.47    |        |        |        | 7.59    |        |        | 7.32    | 7.43    | 7.18    | 6.95    | 7.45    | 7.49    | 7.45    | 7.37    | 7.57    | 7.54    | 7.60    | 7.90   | 7.60    | 7.75    | 7.58    | 7.79     | 7.76     | 7.48     | 7.24     | 7.73     | 7.54     | 7.65     | 7.82    |
| Total Dissolved Solids (Lab) | mg/L   | 5100    |        | 2840    |        |        | 875     |        |        |        | 1150    |        |        | 1630    | 1840    | 1840    | 2040    | 2020    | 1990    | 1830    | 2290    | 2050    | 1990    | 1840    | 1870   | 1620    | 1290    | 940     | 1030     | 1060     | 940      | 755      | 680      | 575      | 440      | 445     |
| Calcium                      | mg/L   | 367.0   |        | 216.0   |        |        | 75.9    |        |        |        | 103.0   |        |        | 136.0   | 173.0   | 150.0   | 179.0   | 184.0   | 176.0   | 154.0   | 201.0   | 174.0   | 159.0   | 145.0   | 152.0  | 133.0   | 109.0   | 76.8    | 91.5     | 99.1     | 86.9     | 70.5     | 58.1     | 49.2     | 39.8     | 38.2    |
| Magnesium                    | mg/L   | 325.0   |        | 177.0   |        |        | 58.7    |        |        |        | 88.3    |        |        | 122.0   | 153.0   | 143.0   | 165.0   | 171.0   | 166.0   | 152.0   | 189.0   | 170.0   | 154.0   | 144.0   | 143.0  | 131.0   | 101.0   | 64.2    | 83.5     | 90.6     | 77.2     | 57.8     | 46.2     | 38.6     | 27.5     | 25.4    |
| Sodium                       | mg/L   | 459.0   |        | 248.0   |        |        | 129.0   |        |        |        | 153.0   |        |        | 172.0   | 203.0   | 188.0   | 194.0   | 194.0   | 188.0   | 169.0   | 177.0   | 166.0   | 162.0   | 158.0   | 163.0  | 150.0   | 139.0   | 125.0   | 128.0    | 132.0    | 131.0    | 123.0    | 122.0    | 119.0    | 115.0    | 105.0   |
| Potassium                    | mg/L   | 173.00  |        | 64.50   |        |        | 14.00   |        |        |        | 13.70   |        |        | 11.30   | 11.00   | 7.82    | 7.20    | 6.04    | 5.96    | 5.22    | 5.69    | 4.99    | 5.22    | <5.00   | 4.84   | 4.34    | 4.04    | 3.14    | < 5.00   | 3.34     | 3.47     | 3.11     | 2.89     | 2.63     | 2.48     | 2.55    |
| Alkalinity, Total            | mg/L   | 205     |        | 315     |        |        | 371     |        |        |        | 381     |        |        | 355     | 320     | 353     | 335     | 329     | 336     | 346     | 330     | 380     | 365     | 365     | 337    | 310     | 368     | 470     | 390      | 355      | 355      | 360      | 430      | 410      | 440      | 405     |
| Alkalinity, Bicarbonate      | mg/L   | 205     |        | 315     |        |        | 371     |        |        |        | 381     |        |        | 355     | 320     | 353     | 335     | 329     | 336     | 346     | 330     | 380     | 365     | 365     | 337    | 310     | 368     | 470     | 390      | 355      | 355      | 360      | 430      | 410      | 440      | 405     |
| Alkalinity, Carbonate        | mg/L   | <10.0   |        | <10.0   |        |        | <10.0   |        |        |        | <10.0   |        |        | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0  | <10.0   | <10.0   | < 10.0  | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   |         |
| Alkalinity, Hydroxide        | mg/L   | <10.0   |        | <10.0   |        |        | <10.0   |        |        |        | <10.0   |        |        | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0  | <10.0   | <10.0   | < 10.0  | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   |         |
| Chloride                     | mg/L   | 256.00  |        | 43.70   |        |        | 5.73    |        |        |        | 8.70    |        |        | 11.40   | 11.00   | 11.70   | 12.20   | 12.40   | 11.00   | 10.50   | 12.60   | 11.10   | 10.50   | 10.90   | 10.70  | 9.29    | 6.75    | 5.09    | 5.75     | 6.09     | 6.04     | 4.47     | 3.61     | 3.06     | 2.18     | < 1.00  |
| Fluoride                     | mg/L   | 0.530   |        | <0.500  |        |        | 0.324   |        |        |        | <0.500  |        |        | <0.500  | 0.352   | <0.500  | 0.346   | 0.356   | 0.318   | 0.340   | 0.418   | 0.306   | 0.328   | <0.500  | 0.310  | 0.322   | 0.328   | 0.254   | < 0.200  | 0.240    | < 0.500  | 0.306    | 0.316    | 0.335    | 0.344    | < 0.100 |
| Sulfate as SO4               | mg/L   | 3050.0  |        | 1790.0  |        |        | 338.0   |        |        |        | 492.0   |        |        | 830.0   | 951.0   | 904.0   | 1260.0  | 1170.0  | 1020.0  | 978.0   | 1300.0  | 1100.0  | 555.0   | 931.0   | 1010.0 | 848.0   | 563.0   | 366.0   | 500.0    | 534.0    | 451.0    | 298.0    | 209.0    | 144.0    | 63.0     | 8.5     |
| Total Organic Carbon (TOC)   | mg/L   | 3.46    |        | 2.61    |        |        | 1.57    |        |        |        | 1.78    |        |        | 1.85    | 1.76    | 1.84    | 1.87    | 1.93    | 3.17    | 1.81    | 1.91    | 1.94    | 1.83    | 1.74    | 2.08   | 1.29    | 2.13    | <2.5    | 1.66     | 0.76     | 1.70     | 1.74     | 1.36     | 1.36     | 1.13     | 1.21    |
| Nitrate/Nitrite as N         | mg/L   | <0.020  |        | <0.020  |        |        | <0.020  |        |        |        | <0.020  |        |        | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020 | <0.020  | 0.022   | < 0.020 | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  |         |
| Ammonia as N ^               | mg/L   | NA      |        | NA      |        |        | NA      |        |        |        | NA      |        |        | 1.990   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA     | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA      |
| Ortho-Phosphate as P ^       | mg/L   | NA      |        | NA      |        |        | NA      |        |        |        | NA      |        |        | <0.0500 | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA     | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA      |
| Aluminum                     | mg/L   | <0.250  |        | <0.250  |        |        | <0.050  |        |        |        | <0.050  |        |        | <0.100  | <0.250  | <0.250  | <0.150  | <0.250  | <0.250  | <0.150  | <0.100  | <0.100  | <0.250  | <0.250  | <0.100 | <0.100  | <0.100  | <0.100  | < 0.250  | < 0.100  | < 0.100  | < 0.100  | < 0.050  | < 0.050  | < 0.050  | < 0.050 |
| Arsenic                      | mg/L   | 0.0039  |        | 0.0049  |        |        | 0.0036  |        |        |        | 0.0038  |        |        | 0.0035  | 0.0044  | 0.0034  | 0.0038  | 0.0036  | 0.0038  | 0.0038  | 0.0039  | 0.0038  | 0.0042  | 0.0034  | 0.0034 | 0.0043  | 0.0054  | 0.0030  | < 0.0025 | 0.0040   | 0.0052   | 0.0030   | 0.0030   | 0.0027   | 0.0020   |         |
| Cadmium                      | mg/L   | <0.0005 |        | <0.0005 |        |        | <0.0001 |        |        |        | <0.0001 |        |        | <0.0002 | <0.0002 | <0.0005 | <0.0003 | <0.0005 | <0.0005 | <0.0015 | <0.0010 | <0.0010 | <0.0010 | <0.0025 | <0.001 | <0.0010 | <0.0025 | <0.0010 | < 0.0025 | < 0.0010 | < 0.0010 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 |         |
| Copper                       | mg/L   | 0.0135  |        | 0.0064  |        |        | 0.0017  |        |        |        | 0.0018  |        |        | 0.0069  | 0.0014  | <0.0025 | <0.0015 | <0.0025 | <0.0025 | 0.0042  | 0.0046  | 0.0040  | 0.0044  | 0.0038  | 0.0054 | 0.0030  | 0.0100  | 0.0016  | < 0.0025 | 0.0032   | 0.0060   | 0.0050   | 0.0135   | 0.0088   | 0.0106   | 0.0031  |
| Iron                         | mg/L</ |         |        |         |        |        |         |        |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |        |         |         |         |          |          |          |          |          |          |          |         |

GCC Energy Hydrologic Monitoring Data

| MW-7-EAA                     |        |         |       |         |       |       |         |       |       |         |       |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |
|------------------------------|--------|---------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| Year                         | 2018   | 2019    |       |         |       |       |         |       |       |         |       |       | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |         | 2023    |         |         |          | 2024     |          |          |          | 2025     |          |          |
| Quarter                      | Q4     | Q1      |       |         | Q2    |       |         | Q3    |       |         | Q4    |       | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4       | Q1       | Q2       | Q3       | Q4       | Q1       | Q2       |          |
| Month                        | 12     | 1       | 2     | 3       | 4     | 5     | 6       | 7     | 8     | 9       | 10    | 11    | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 3       | 6       | 9       | 11      | 3       | 6       | 8       | 11       | 3        | 6        | 8        | 11       | 1        | 5        |          |
| Sample Date                  | 12/23  | 1/29    | 2/19  | 3/20    | 4/16  | 5/29  | 6/20    | 7/24  | 8/13  | 9/27    | 10/24 | 11/6  | 2/11    | 5/27    | 8/25    | 11/11   | 2/16    | 5/24    | 8/24    | 11/30   | 3/23    | 6/7     | 9/8     | 11/28   | 3/18    | 6/14    | 8/8     | 11/13    | 3/17     | 6/19     | 8/6      | 11/18    | 1/25     | 5/12     |          |
| Lab Analysis (Y/N)           | Y      | N       | Y     | N       | N     | Y     | N       | N     | Y     | N       | N     | Y     | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y        | Y        | Y        | Y        | Y        | Y        |          |          |
| Field Parameters:            |        |         |       |         |       |       |         |       |       |         |       |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |
| Purge Flow Rate              | gpm    | 1.10    | 1.10  | 1.00    | 3.00  | 1.00  | 1.00    | 1.00  | 1.00  | 1.00    | 1.00  | 1.00  | 1.00    | 0.25    | 0.13    | 0.25    | 0.25    | 0.13    | 0.25    | 0.25    | 0.25    | 0.25    | 0.25    | 0.25    | 0.20    | 0.11    | 0.16    | 0.17     | 0.10     | 0.07     | 0.06     | 0.01     | 0.15     | 0.12     |          |
| Total Purged                 | gal    | 15.0    | 18.0  | 15.0    | 3.0   | 15.0  | 16.0    | 15.3  | 15.3  | 17.0    | 15.0  | 15.0  | 36.5    | 15.0    | 16.0    | 17.0    | 15.0    | 17.0    | 17.0    | 18.0    | 18.0    | 17.0    | 17.0    | 0.5     | 0.4     | 0.4     | 0.4     | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      |          |
| Depth to Water               | ft bgs | 36.13   | 36.27 | 36.45   | 36.52 | 36.70 | 36.25   | 36.22 | 36.48 | 36.49   | 36.88 | 36.85 | 36.72   | 35.40   | 36.35   | 37.10   | 36.20   | 35.33   | 36.91   | 35.92   | 35.90   | 35.70   | 36.71   | 36.40   | 35.85   | 29.10   | 28.40   | 25.60    | 27.45    | 25.40    | 26.30    | 25.00    | 25.00    | 23.10    |          |
| Temperature                  | deg C  | 10.0    | 10.0  | 10.0    | 9.9   | 10.1  | 10.4    | 10.4  | 10.6  | 10.5    | 10.3  | 10.4  | 10.6    | 10.4    | 12.1    | 10.3    | 10.1    | 10.5    | 10.9    | 10.6    | 10.5    | 10.7    | 10.8    | 11.1    | 13.1    | 11.7    | 11.8    | 11.4     | 10.1     | 12.9     | 11.6     | 9.0      | 9.8      | 12.3     |          |
| pH                           | SU     | 6.99    | 7.01  | 7.04    | 6.93  | 7.00  | 7.06    | 7.07  | 6.28  | 6.95    | 7.06  | 7.03  | 7.06    | 6.91    | 7.17    | 7.09    | 7.12    | 7.14    | 7.19    | 7.24    | 7.23    | 7.12    | 7.15    | 7.14    | 6.28    | 7.28    | 7.16    | 7.11     | 7.16     | 7.24     | 6.90     | 6.89     | 6.94     | 6.88     | 6.96     |
| Specific Conductance         | µS/cm  | 2001    | 1910  | 1910    | 1926  | 1912  | 1767    | 1836  | 1885  | 1890    | 1913  | 1936  | 1922    | 1993    | 1890    | 1772    | 1628    | 1672    | 1805    | 1814    | 1878    | 1882    | 1896    | 1880    | 1808    | 1754    | 1785    | 1831     | 1966     | 2082     | 1905     | 1932     | 2069     | 2062     | 1610     |
| Oxygen Reduction Potential   | mV     | -68.0   | -36.7 | -41.4   | -38.1 | -48.8 | 14.1    | -13.8 | -33.9 | -37.8   | -29.5 | -25.6 | -21.3   | 0.9     | -49.2   | 17.6    | -8.6    | 2.2     | -55.8   | -41.9   | -20.4   | -133.6  | -73.8   | -196.7  | -86.9   | -10.9   | -32.4   | -60.3    | -117.9   | -133.9   | -102.0   | -59.0    | -160.4   | -70.9    | -45.1    |
| Lab Analytical Results:      |        |         |       |         |       |       |         |       |       |         |       |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |
| Hardness as CaCO3            | mg/L   | 936     |       | 1030    |       |       | 982     |       |       | 997     |       |       | 1020    | 963     | 1020    | 1080    | 939     | 1090    | 958     | 986     | 957     | 1040    | 958     | 916     | 962     | 1020    | 952     | 902      | 1010     | 1080     | 1080     | 1030     | 997      | 993      | 1110     |
| pH (Lab)                     | SU     | 7.20    |       | 7.37    |       |       | 7.17    |       |       | 7.09    |       |       | 6.99    | 6.92    | 6.89    | 7.23    | 7.06    | 6.99    | 6.92    | 7.03    | 7.01    | 7.11    | 7.12    | 7.24    | 7.18    | 6.95    | 6.95    | 7.25     | 7.16     | 6.84     | 7.07     | 7.10     | 7.13     | 7.09     | 7.08     |
| Total Dissolved Solids (Lab) | mg/L   | 1460    |       | 1480    |       |       | 1490    |       |       | 1480    |       |       | 1530    | 1520    | 1430    | 1480    | 1450    | 1590    | 1460    | 1510    | 1580    | 1500    | 1500    | 1490    | 1420    | 1500    | 1400    | 1450     | 1560     | 1570     | 1550     | 1550     | 1650     | 1540     | 1490     |
| Calcium                      | mg/L   | 170.0   |       | 179.0   |       |       | 171.0   |       |       | 173.0   |       |       | 162.0   | 165.0   | 175.0   | 183.0   | 157.0   | 186.0   | 167.0   | 167.0   | 164.0   | 173.0   | 166.0   | 154.0   | 165.0   | 174.0   | 161.0   | 151.0    | 173.0    | 184.0    | 186.0    | 177.0    | 170.0    | 169.0    | 185.0    |
| Magnesium                    | mg/L   | 124.0   |       | 142.0   |       |       | 135.0   |       |       | 137.0   |       |       | 144.0   | 134.0   | 142.0   | 150.0   | 133.0   | 152.0   | 131.0   | 138.0   | 133.0   | 149.0   | 132.0   | 129.0   | 134.0   | 143.0   | 134.0   | 127.0    | 141.0    | 150.0    | 149.0    | 141.0    | 139.0    | 139.0    | 157.0    |
| Sodium                       | mg/L   | 75.3    |       | 81.3    |       |       | 75.0    |       |       | 75.2    |       |       | 74.9    | 73.7    | 76.0    | 80.9    | 73.4    | 81.4    | 75.0    | 74.6    | 72.0    | 77.8    | 71.9    | 71.6    | 72.3    | 76.3    | 75.6    | 69.2     | 77.1     | 80.6     | 80.5     | 77.1     | 78.1     | 75.6     | 82.7     |
| Potassium                    | mg/L   | 3.87    |       | 3.90    |       |       | <5.00   |       |       | 3.74    |       |       | 3.74    | 3.82    | <5.00   | <5.00   | <5.00   | 4.25    | <5.00   | <5.00   | 3.69    | 3.88    | 3.59    | 3.71    | 3.66    | <5.00   | 3.63    | < 5.00   | 3.46     | 3.62     | 3.84     | 3.78     | 3.65     | < 5.00   | < 5.00   |
| Alkalinity, Total            | mg/L   | 380     |       | 367     |       |       | 405     |       |       | 392     |       |       | 350     | 357     | 355     | 268     | 430     | 420     | 395     | 340     | 440     | 425     | 425     | 400     | 310     | 378     | 410     | 437      | 425      | 440      | 455      | 437      | 460      | 440      | 430      |
| Alkalinity, Bicarbonate      | mg/L   | 380     |       | 367     |       |       | 405     |       |       | 392     |       |       | 425     | 357     | 355     | 268     | 430     | 420     | 395     | 340     | 440     | 425     | 425     | 400     | 310     | 378     | 410     | 437      | 425      | 440      | 455      | 437      | 460      | 440      | 430      |
| Alkalinity, Carbonate        | mg/L   | <10.0   |       | <10.0   |       |       | <10.0   |       |       | <10.0   |       |       | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | < 10.0  | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   |          |
| Alkalinity, Hydroxide        | mg/L   | <10.0   |       | <10.0   |       |       | <10.0   |       |       | <10.0   |       |       | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | < 10.0  | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   |          |
| Chloride                     | mg/L   | 11.90   |       | 10.70   |       |       | 10.80   |       |       | 10.90   |       |       | 11.60   | 10.30   | 10.70   | 10.20   | 10.10   | 10.40   | 10.10   | 10.50   | 10.30   | 10.10   | 10.30   | 11.20   | 11.00   | 11.10   | 10.80   | 11.80    | 11.90    | 11.50    | 11.40    | 11.60    | 11.20    | 12.80    | 11.30    |
| Fluoride                     | mg/L   | <0.500  |       | 0.332   |       |       | 0.322   |       |       | 0.322   |       |       | <0.500  | 0.354   | 0.330   | 0.322   | 0.322   | 0.300   | 0.304   | 0.312   | 0.260   | 0.292   | <0.200  | 0.310   | 0.306   | 0.340   | 0.262   | < 0.200  | 0.238    | 0.282    | 0.298    | < 0.500  | 0.314    | < 0.500  | < 0.500  |
| Sulfate as SO4               | mg/L   | 732.0   |       | 736.0   |       |       | 733.0   |       |       | 844.0   |       |       | 746.0   | 774.0   | 803.0   | 767.0   | 742.0   | 757.0   | 746.0   | 796.0   | 751.0   | 755.0   | 743.0   | 759.0   | 761.0   | 827.0   | 709.0   | 719.0    | 828.0    | 842.0    | 821.0    | 790.0    | 747.0    | 867.0    | 798.0    |
| Total Organic Carbon (TOC)   | mg/L   | 3.72    |       | 3.57    |       |       | 3.73    |       |       | 3.70    |       |       | 3.45    | 3.42    | 3.63    | 4.01    | 3.39    | 3.00    | 3.42    | 3.63    | 3.38    | 3.50    | 3.42    | 3.38    | 2.12    | 3.68    | 3.31    | 5.57     | 4.24     | 5.38     | 5.12     | 4.40     | 4.99     | 5.11     | 3.91     |
| Nitrate/Nitrite as N         | mg/L   | <0.020  |       | <0.020  |       |       | <0.020  |       |       | <0.020  |       |       | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | < 0.020 | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.100  | < 0.020  |          |
| Ammonia as N ^               | mg/L   | NA      |       | NA      |       |       | NA      |       |       | NA      |       |       | 0.178   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       |
| Ortho-Phosphate as P ^       | mg/L   | NA      |       | NA      |       |       | NA      |       |       | NA      |       |       | <0.0500 | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       |
| Aluminum                     | mg/L   | <0.050  |       | <0.100  |       |       | <0.250  |       |       | <0.100  |       |       | <0.050  | <0.100  | <0.250  | <0.250  | <0.250  | <0.150  | <0.250  | <0.250  | <0.100  | <0.050  | <0.050  | <0.100  | <0.100  | <0.250  | <0.250  | < 0.250  | < 0.100  | < 0.150  | < 0.100  | < 0.050  | 0.197    | < 0.250  | < 0.250  |
| Arsenic                      | mg/L   | 0.0014  |       | 0.0015  |       |       | 0.0013  |       |       | 0.0016  |       |       | 0.0013  | 0.0013  | 0.0011  | <0.0015 | <0.0025 | 0.0016  | <0.0025 | <0.0025 | 0.0011  | 0.0009  | 0.0014  | <0.0025 | 0.0013  | <0.0025 | <0.0025 | < 0.0025 | 0.0010   | < 0.0020 | < 0.0020 | < 0.0010 | < 0.0010 | < 0.0050 | < 0.0010 |
| Cadmium                      | mg/L   | <0.0001 |       | <0.0002 |       |       | <0.0001 |       |       | <0.0001 |       |       | <0.0002 | <0.0002 | <0.0002 | <0.0003 | <0.0005 | <0.0001 | <0.0025 | <0.0025 | <0.0010 | <0.0005 | <0.0005 | <0.0025 | <0.0010 | <0.0025 | <0.0025 | < 0.0025 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0005 | < 0.0005 | < 0.0025 | < 0.0005 |
| Copper                       | mg/L   | 0.0003  |       | 0.0018  |       |       | 0.0011  |       |       | 0.0008  |       |       | 0.0006  | <0.0010 | <0.0010 | <0.0015 | <0.0025 | 0.0007  | <0.0025 | <0.0025 | 0.0018  | 0.0021  | 0.0036  | <0.0025 | 0.0030  | <0.0025 | 0.0028  | 0.0032   | 0.0018   | 0.0048   | 0.0044   | 0.0045   | 0.0186   | < 0.005  |          |

GCC Energy Hydrologic Monitoring Data

| MW-8-EAA                     |        |         |       |         |       |       |         |       |       |         |       |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |          |
|------------------------------|--------|---------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Year                         | 2018   | 2019    |       |         |       |       |         |       |       |         |       |       | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |         | 2023    |         |          |          | 2024     |          |          |          | 2025     |          |          |
| Quarter                      | Q4     | Q1      |       |         | Q2    |       |         | Q3    |       |         | Q4    |       | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3       | Q4       | Q1       | Q2       | Q3       | Q4       | Q1       | Q2       |          |
| Month                        | 12     | 1       | 2     | 3       | 4     | 5     | 6       | 7     | 8     | 9       | 10    | 11    | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 3       | 6       | 9       | 11      | 3       | 6       | 8        | 11       | 3        | 6        | 8        | 11       | 1        | 5        |          |
| Sample Date                  | 12/23  | 1/29    | 2/19  | 3/20    | 4/16  | 5/29  | 6/20    | 7/24  | 8/13  | 9/27    | 10/24 | 11/6  | 2/11    | 5/27    | 8/25    | 11/11   | 2/16    | 5/24    | 8/24    | 11/30   | 3/23    | 6/7     | 9/8     | 11/28   | 3/18    | 6/14    | 8/8      | 11/13    | 3/17     | 6/19     | 8/6      | 11/21    | 1/25     | 5/13     |          |
| Lab Analysis (Y/N)           | Y      | N       | Y     | N       | N     | Y     | N       | N     | Y     | N       | N     | Y     | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y        | Y        | Y        | Y        | Y        | Y        | Y        |          |          |
| Field Parameters:            |        |         |       |         |       |       |         |       |       |         |       |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |          |
| Purge Flow Rate              | gpm    | 0.85    | 1.10  | 0.50    | 3.00  | 0.50  | 0.75    | 1.00  | 1.00  | 0.75    | 0.50  | 1.00  | 0.25    | 1.00    | 0.25    | 0.13    | 0.13    | 0.13    | 0.13    | 0.25    | 0.25    | 0.25    | 0.25    | 0.25    | 0.33    | 0.11    | 0.09     | 0.38     | 0.15     | 0.60     | 0.06     | 0.09     | 0.11     | 0.06     |          |
| Total Purged                 | gal    | 18.0    | 14.0  | 15.0    | 3.0   | 15.0  | 17.0    | 15.3  | 15.3  | 18.0    | 15.3  | 15.5  | 15.0    | 15.2    | 15.0    | 16.0    | 15.0    | 15.0    | 16.0    | 15.0    | 16.0    | 15.0    | 16.0    | 0.5     | 0.5     | 0.4     | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      |          |
| Depth to Water               | ft bgs | 40.00   | 39.95 | 40.10   | 43.45 | 40.44 | 40.05   | 39.94 | 40.10 | 40.08   | 40.25 | 40.31 | 40.22   | 40.40   | 40.45   | 34.50   | 40.83   | 41.22   | 41.00   | 40.98   | 48.04   | 40.95   | 41.00   | 41.30   | 41.30   | 41.50   | 37.19    | 37.40    | 34.90    | 36.45    | 31.78    | 32.91    | 33.00    | 32.52    | 31.73    |
| Temperature                  | deg C  | 10.3    | 10.2  | 10.0    | 9.9   | 10.3  | 10.5    | 10.6  | 10.5  | 10.6    | 10.3  | 10.2  | 11.2    | 10.5    | 11.0    | 11.1    | 11.0    | 10.9    | 11.0    | 11.2    | 10.7    | 10.8    | 10.7    | 9.7     | 11.0    | 11.6    | 12.2     | 12.3     | 9.8      | 11.7     | 12.2     | 10.9     | 9.9      | 11.2     |          |
| pH                           | SU     | 7.12    | 7.09  | 7.13    | 7.17  | 7.09  | 7.02    | 7.17  | 7.09  | 7.05    | 7.03  | 6.99  | 6.99    | 6.99    | 7.14    | 7.19    | 7.19    | 7.20    | 7.27    | 7.31    | 7.30    | 7.18    | 7.23    | 7.23    | 6.59    | 7.20    | 7.27     | 7.23     | 7.07     | 7.35     | 6.97     | 7.02     | 7.06     | 6.92     | 7.11     |
| Specific Conductance         | µS/cm  | 1781    | 1696  | 1720    | 1725  | 1729  | 1628    | 1676  | 1699  | 172     | 1739  | 1774  | 1739    | 1758    | 1760    | 1675    | 1716    | 1570    | 1642    | 1671    | 1746    | 1750    | 1763    | 1763    | 1793    | 1665    | 1766     | 1742     | 1761     | 1955     | 1849     | 1851     | 1848     | 1971     | 1577     |
| Oxygen Reduction Potential   | mV     | -65.0   | -52.8 | -51.8   | -53.0 | -59.7 | 11.0    | -29.5 | -46.6 | -44.8   | -33.5 | -38.8 | -39.2   | -18.2   | -72.4   | 1.4     | -14.7   | -20.2   | -63.3   | -57.4   | -37.2   | -156.9  | -111.7  | -230.9  | -23.9   | 182.6   | -81.5    | -86.6    | -103.6   | -175.8   | -96.2    | -99.4    | -147.0   | -73.2    | -82.7    |
| Lab Analytical Results:      |        |         |       |         |       |       |         |       |       |         |       |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |          |          |
| Hardness as CaCO3            | mg/L   | 870     |       | 861     |       |       | 864     |       |       | 883     |       |       | 867     | 861     | 907     | 937     | 810     | 914     | 838     | 859     | 859     | 937     | 867     | 831     | 871     | 940     | 932      | 887      | 901      | 962      | 975      | 957      | 936      | 918      | 960      |
| pH (Lab)                     | SU     | 7.28    |       | 7.36    |       |       | 7.13    |       |       | 7.05    |       |       | 7.01    | 7.11    | 6.96    | 7.18    | 7.10    | 7.03    | 6.97    | 7.06    | 6.81    | 7.19    | 7.16    | 7.27    | 7.25    | 7.05    | 7.03     | 7.33     | 7.43     | 7.02     | 7.20     | 7.17     | 7.30     | 7.19     | 7.10     |
| Total Dissolved Solids (Lab) | mg/L   | 1220    |       | 1290    |       |       | 1240    |       |       | 1280    |       |       | 1380    | 1290    | 1260    | 1280    | 1310    | 1400    | 1320    | 1320    | 1340    | 1380    | 1330    | 1360    | 1300    | 1320    | 1350     | 1400     | 1430     | 1480     | 1420     | 1460     | 1470     | 1460     | 1230     |
| Calcium                      | mg/L   | 152.0   |       | 151.0   |       |       | 148.0   |       |       | 154.0   |       |       | 143.0   | 149.0   | 153.0   | 160.0   | 134.0   | 156.0   | 146.0   | 146.0   | 149.0   | 158.0   | 150.0   | 143.0   | 149.0   | 163.0   | 159.0    | 152.0    | 156.0    | 168.0    | 169.0    | 167.0    | 162.0    | 158.0    | 164.0    |
| Magnesium                    | mg/L   | 119.0   |       | 118.0   |       |       | 120.0   |       |       | 121.0   |       |       | 124.0   | 119.0   | 127.0   | 130.0   | 115.0   | 127.0   | 115.0   | 120.0   | 118.0   | 131.0   | 119.0   | 115.0   | 121.0   | 130.0   | 130.0    | 123.0    | 125.0    | 132.0    | 134.0    | 131.0    | 129.0    | 127.0    | 134.0    |
| Sodium                       | mg/L   | 81.7    |       | 82.6    |       |       | 77.2    |       |       | 78.6    |       |       | 77.1    | 77.2    | 77.7    | 82.9    | 74.3    | 80.9    | 76.1    | 75.8    | 74.9    | 81.2    | 75.0    | 75.0    | 75.3    | 80.5    | 79.8     | 75.5     | 77.4     | 79.4     | 80.3     | 78.8     | 81.2     | 77.7     | 80.3     |
| Potassium                    | mg/L   | 3.80    |       | 3.27    |       |       | 3.55    |       |       | 3.18    |       |       | 3.52    | 3.80    | <5.00   | <5.00   | <5.00   | 3.63    | 3.49    | <5.00   | 3.36    | 3.65    | 3.35    | 3.45    | 3.42    | <5.00   | 3.73     | < 5.00   | 3.24     | 3.58     | 3.61     | 3.69     | 3.70     | < 5.00   | < 5.00   |
| Alkalinity, Total            | mg/L   | 400     |       | 435     |       |       | 450     |       |       | 431     |       |       | 445     | 404     | 385     | 288     | 480     | 450     | 445     | 385     | 490     | 460     | 465     | 480     | 430     | 417     | 448      | 417      | 415      | 435      | 475      | 480      | 470      | 465      | 465      |
| Alkalinity, Bicarbonate      | mg/L   | 400     |       | 435     |       |       | 450     |       |       | 431     |       |       | 445     | 404     | 385     | 288     | 480     | 450     | 445     | 385     | 490     | 460     | 465     | 480     | 430     | 417     | 448      | 417      | 415      | 435      | 475      | 480      | 470      | 465      | 465      |
| Alkalinity, Carbonate        | mg/L   | <10.0   |       | <10.0   |       |       | <10.0   |       |       | <10.0   |       |       | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   |          |
| Alkalinity, Hydroxide        | mg/L   | <10.0   |       | <10.0   |       |       | <10.0   |       |       | <10.0   |       |       | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   |          |
| Chloride                     | mg/L   | 9.83    |       | 10.50   |       |       | 10.30   |       |       | 11.10   |       |       | 11.00   | 10.20   | 10.30   | 10.10   | 11.30   | 10.40   | 10.20   | 10.30   | 10.50   | 10.50   | 10.60   | 11.70   | 11.40   | 11.60   | 11.80    | 12.20    | 12.20    | 12.30    | 11.80    | 12.20    | 12.50    | 12.60    | 12.00    |
| Fluoride                     | mg/L   | 0.380   |       | 0.370   |       |       | 0.338   |       |       | 0.342   |       |       | <0.500  | 0.330   | 0.346   | 0.336   | 0.334   | 0.292   | 0.306   | 0.350   | 0.272   | 0.304   | 0.204   | 0.332   | 0.316   | 0.358   | 0.284    | < 0.200  | 0.266    | 0.330    | 0.312    | < 0.500  | < 0.500  | < 0.500  | 0.315    |
| Sulfate as SO4               | mg/L   | 533.0   |       | 559.0   |       |       | 606.0   |       |       | 643.0   |       |       | 577.0   | 602.0   | 625.0   | 605.0   | 582.0   | 609.0   | 595.0   | 615.0   | 599.0   | 608.0   | 597.0   | 627.0   | 619.0   | 686.0   | 675.0    | 685.0    | 748.0    | 768.0    | 731.0    | 713.0    | 697.0    | 732.0    | 693.0    |
| Total Organic Carbon (TOC)   | mg/L   | 3.77    |       | 3.59    |       |       | 3.77    |       |       | 3.68    |       |       | 3.52    | 3.49    | 3.56    | 3.82    | 3.54    | 3.04    | 3.65    | 3.71    | 3.48    | 3.49    | 3.56    | 3.64    | 1.82    | 3.63    | 3.25     | 5.64     | 3.64     | 4.76     | 4.00     | 4.20     | 5.82     | 5.25     | 3.47     |
| Nitrate/Nitrite as N         | mg/L   | <0.020  |       | <0.020  |       |       | <0.020  |       |       | <0.020  |       |       | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020   | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  |
| Ammonia as N ^               | mg/L   | NA      |       | NA      |       |       | NA      |       |       | NA      |       |       | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       |
| Ortho-Phosphate as P ^       | mg/L   | NA      |       | NA      |       |       | NA      |       |       | NA      |       |       | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA       |
| Aluminum                     | mg/L   | <0.100  |       | <0.100  |       |       | <0.050  |       |       | <0.100  |       |       | <0.050  | <0.100  | <0.250  | <0.250  | <0.250  | <0.150  | <0.050  | <0.250  | <0.100  | <0.050  | <0.050  | <0.100  | <0.100  | <0.250  | <0.250   | < 0.250  | < 0.100  | < 0.100  | < 0.100  | < 0.100  | < 0.100  | < 0.100  |          |
| Arsenic                      | mg/L   | 0.0020  |       | 0.0018  |       |       | 0.0018  |       |       | 0.0021  |       |       | 0.0018  | 0.0017  | 0.0017  | 0.0018  | <0.0025 | 0.0018  | 0.0018  | <0.0025 | 0.0017  | 0.0015  | 0.0019  | <0.0025 | 0.0020  | 0.0027  | <0.0025  | < 0.0025 | 0.0020   | < 0.0020 | < 0.0020 | 0.0015   | 0.0016   | < 0.0050 | 0.0025   |
| Cadmium                      | mg/L   | <0.0001 |       | <0.0002 |       |       | <0.0001 |       |       | <0.0001 |       |       | <0.0001 | <0.0002 | <0.0002 | <0.0003 | <0.0005 | <0.0003 | <0.0015 | <0.0025 | <0.0010 | <0.0005 | <0.0005 | <0.0025 | <0.0010 | <0.0025 | < 0.0025 | < 0.0025 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0005 | < 0.0005 | < 0.0025 | < 0.0010 |
| Copper                       | mg/L   | 0.0004  |       | 0.0024  |       |       | 0.0023  |       |       | 0.0008  |       |       | 0.0010  | 0.0010  | <0.0010 | <0.0015 | <0.0025 | <0.0015 | <0.0015 | <0.0025 | 0.0017  | 0.0021  | 0.0031  | <0.0025 | 0.0021  | <0.0025 | 0.0084   | < 0.0025 | 0.0020   | 0.0048   | 0.0030   | 0.0033   | 0.0160   | < 0.0050 |          |



GCC Energy Hydrologic Monitoring Data

| MW-8-MI                      |        |         |        |         |        |       |         |       |        |         |       |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |         |
|------------------------------|--------|---------|--------|---------|--------|-------|---------|-------|--------|---------|-------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|---------|
| Year                         | 2018   | 2019    |        |         |        |       |         |       |        |         |       |       | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |         | 2023    |         |         |          | 2024     |          |          |          | 2025     |          |         |
| Quarter                      | Q4     | Q1      |        |         | Q2     |       |         | Q3    |        |         | Q4    |       | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4       | Q1       | Q2       | Q3       | Q4       | Q1       | Q2       |         |
| Month                        | 12     | 1       | 2      | 3       | 4      | 5     | 6       | 7     | 8      | 9       | 10    | 11    | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 3       | 6       | 9       | 11      | 3       | 6       | 8       | 11       | 3        | 6        | 8        | 11       | 1        | 5        |         |
| Sample Date                  | 12/23  | 1/29    | 2/19   | 3/20    | 4/16   | 5/29  | 6/20    | 7/24  | 8/13   | 9/27    | 10/24 | 11/6  | 2/11    | 5/27    | 8/25    | 11/11   | 2/16    | 5/24    | 8/24    | 11/30   | 3/23    | 6/7     | 9/8     | 11/28   | 3/18    | 6/14    | 8/8     | 11/13    | 3/17     | 6/19     | 8/6      | 11/21    | 1/25     | 5/13     |         |
| Lab Analysis (Y/N)           | Y      | N       | Y      | N       | N      | Y     | N       | N     | Y      | N       | N     | Y     | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y        | Y        | Y        | Y        | Y        | Y        |          |         |
| Field Parameters:            |        |         |        |         |        |       |         |       |        |         |       |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |         |
| Purge Flow Rate              | gpm    | 1.10    | 1.00   | 0.50    | 3.00   | 0.50  | 0.50    | 0.25  | 0.50   | 0.75    | 0.50  | 1.00  | 0.25    | 0.25    | 0.13    | 0.10    | 0.25    | 0.25    | 0.13    | 0.25    | 0.25    | 0.25    | 0.13    | 0.15    | 0.50    | 0.12    | 0.13    | 0.23     | 0.19     | 0.11     | 0.18     | 0.17     | 0.19     | 0.09     | 0.19    |
| Total Purged                 | gal    | 27.5    | 18.0   | 1.0     | 3.0    | 1.5   | 2.5     | 2.3   | 3.0    | 2.0     | 2.5   | 1.0   | 1.0     | 1.0     | 2.0     | 1.0     | 2.0     | 3.0     | 1.0     | 1.0     | 1.0     | 0.8     | 0.5     | 0.5     | 0.6     | 0.6     | 0.6     | 0.6      | 0.6      | 0.6      | 0.6      | 0.6      | 0.6      | 0.6      |         |
| Depth to Water               | ft bgs | 45.75   | 43.48  | 43.50   | 44.30  | 44.47 | 44.10   | 44.24 | 44.45  | 44.59   | 44.90 | 45.12 | 45.10   | 45.20   | 45.42   | 45.84   | 46.24   | 46.38   | 46.54   | 47.27   | 46.84   | 47.69   | 48.00   | 48.00   | 48.25   | 47.75   | 44.65   | 44.52    | 42.85    | 43.51    | 39.90    | 40.52    | 40.62    | 40.25    | 39.60   |
| Temperature                  | deg C  | 10.8    | 10.8   | 10.6    | 11.2   | 10.4  | 11.1    | 11.4  | 11.0   | 11.4    | 10.9  | 10.3  | 11.4    | 10.2    | 11.3    | 13.1    | 11.3    | 10.0    | 11.6    | 11.9    | 11.1    | 10.9    | 12.5    | 14.3    | 9.9     | 11.7    | 11.5    | 11.9     | 12.1     | 10.3     | 12.3     | 12.6     | 11.2     | 10.4     | 12.0    |
| pH                           | SU     | 7.57    | 7.50   | 7.48    | 7.47   | 7.34  | 7.31    | 7.48  | 7.42   | 7.38    | 7.30  | 7.23  | 7.15    | 7.08    | 7.44    | 7.44    | 7.43    | 7.47    | 7.59    | 7.55    | 7.56    | 7.41    | 7.54    | 7.59    | 6.92    | 7.52    | 7.54    | 7.51     | 7.52     | 7.66     | 7.33     | 7.28     | 7.35     | 7.21     | 7.41    |
| Specific Conductance         | µS/cm  | 1786    | 1667   | 1651    | 1658   | 1643  | 1595    | 1639  | 1645   | 1658    | 1637  | 1689  | 1642    | 1651    | 1659    | 1598    | 1628    | 1468    | 1616    | 1554    | 1629    | 1596    | 1575    | 1505    | 1631    | 1632    | 1607    | 1538     | 1544     | 1642     | 1526     | 1580     | 1578     | 1673     | 1327    |
| Oxygen Reduction Potential   | mV     | -84.4   | -177.1 | -122.1  | -113.3 | -87.2 | -54.4   | -97.1 | -116.4 | -119.4  | -88.4 | -82.0 | -59.3   | -136.6  | -184.9  | -107.0  | -112.2  | -72.0   | -131.9  | -123.1  | -115.9  | -195.3  | -150.6  | -262.2  | -172.4  | -79.7   | -134.6  | -148.3   | -178.2   | -22.8    | -160.5   | -118.0   | -249.6   | -122.3   | -173.2  |
| Lab Analytical Results:      |        |         |        |         |        |       |         |       |        |         |       |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |         |
| Hardness as CaCO3            | mg/L   | 167     |        | 249     |        |       | 273     |       |        | 253     |       |       | 267     | 254     | 309     | 355     | 339     | 376     | 288     | 377     | 317     | 406     | 378     | 374     | 390     | 405     | 388     | 363      | 361      | 366      | 388      | 389      | 386      | 389      | 394     |
| pH (Lab)                     | SU     | 7.73    |        | 7.54    |        |       | 7.24    |       |        | 7.46    |       |       | 7.44    | 7.53    | 7.25    | 7.34    | 7.27    | 7.33    | 7.36    | 7.31    | 7.06    | 7.36    | 7.38    | 7.70    | 7.45    | 7.30    | 7.36    | 7.67     | 7.66     | 7.11     | 7.47     | 7.44     | 7.48     | 7.42     | 7.31    |
| Total Dissolved Solids (Lab) | mg/L   | 1050    |        | 1030    |        |       | 1100    |       |        | 1110    |       |       | 1050    | 1060    | 1040    | 1010    | 1040    | 1060    | 1040    | 1000    | 1100    | 1050    | 1040    | 1050    | 990     | 1050    | 995     | 1060     | 1050     | 995      | 985      | 1030     | 995      | 1040     | 895     |
| Calcium                      | mg/L   | 34.0    |        | 48.5    |        |       | 52.4    |       |        | 49.7    |       |       | 51.3    | 48.7    | 58.5    | 65.9    | 62.6    | 69.7    | 54.0    | 70.3    | 59.8    | 75.5    | 71.2    | 69.2    | 72.3    | 76.0    | 72.1    | 67.4     | 66.3     | 68.4     | 72.9     | 73.5     | 71.3     | 70.3     | 72.1    |
| Magnesium                    | mg/L   | 19.9    |        | 31.0    |        |       | 34.5    |       |        | 31.4    |       |       | 33.8    | 32.1    | 39.6    | 46.2    | 44.4    | 49.1    | 37.2    | 48.9    | 40.8    | 52.7    | 48.7    | 48.8    | 50.8    | 52.3    | 50.4    | 47.1     | 47.5     | 47.4     | 50.1     | 50.0     | 50.6     | 51.9     | 52.0    |
| Sodium                       | mg/L   | 344.0   |        | 312.0   |        |       | 289.0   |       |        | 289.0   |       |       | 275.0   | 269.0   | 272.0   | 260.0   | 232.0   | 237.0   | 256.0   | 229.0   | 238.0   | 226.0   | 220.0   | 213.0   | 210.0   | 230.0   | 236.0   | 216.0    | 215.0    | 219.0    | 221.0    | 228.0    | 217.0    | 207.0    | 220.0   |
| Potassium                    | mg/L   | 4.47    |        | 5.25    |        |       | <5.00   |       |        | 4.55    |       |       | 5.07    | 4.71    | 5.00    | 5.56    | 5.22    | 5.88    | 5.05    | 5.69    | 5.14    | 5.98    | 5.47    | 5.59    | 5.63    | 5.44    | 6.18    | 5.09     | 5.12     | 5.38     | 5.65     | 5.73     | 5.73     | 5.70     | 6.00    |
| Alkalinity, Total            | mg/L   | 500     |        | 565     |        |       | 560     |       |        | 573     |       |       | 585     | 543     | 545     | 448     | 590     | 590     | 575     | 570     | 605     | 590     | 590     | 500     | 540     | 550     | 568     | 553      | 560      | 555      | 595      | 580      | 610      | 585      | 590     |
| Alkalinity, Bicarbonate      | mg/L   | 500     |        | 565     |        |       | 560     |       |        | 573     |       |       | 585     | 543     | 545     | 448     | 590     | 590     | 575     | 570     | 605     | 590     | 590     | 500     | 540     | 550     | 568     | 553      | 560      | 555      | 595      | 580      | 610      | 585      | 590     |
| Alkalinity, Carbonate        | mg/L   | <10.0   |        | <10.0   |        |       | <10.0   |       |        | <10.0   |       |       | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    |         |
| Alkalinity, Hydroxide        | mg/L   | <10.0   |        | <10.0   |        |       | <10.0   |       |        | <10.0   |       |       | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    |         |
| Chloride                     | mg/L   | 12.70   |        | 10.00   |        |       | 9.33    |       |        | 9.06    |       |       | 9.66    | 8.19    | 8.23    | 8.12    | 7.91    | 7.96    | 8.07    | 7.85    | 7.91    | 7.70    | 8.36    | 8.88    | 8.60    | 8.56    | 8.39    | 8.80     | 8.35     | 8.67     | 8.73     | 9.13     | 8.77     | 9.71     | 8.39    |
| Fluoride                     | mg/L   | <0.500  |        | <0.200  |        |       | <0.200  |       |        | <0.200  |       |       | <0.500  | <0.200  | <0.200  | <0.200  | <0.200  | <0.200  | <0.200  | <0.200  | <0.200  | <0.200  | <0.200  | <0.200  | <0.200  | <0.200  | 0.112   | < 0.200  | < 0.200  | < 0.200  | < 0.200  | < 0.500  | < 0.500  | < 0.500  | 0.118   |
| Sulfate as SO4               | mg/L   | 347.0   |        | 353.0   |        |       | 343.0   |       |        | 366.0   |       |       | 317.0   | 314.0   | 316.0   | 335.0   | 319.0   | 326.0   | 314.0   | 324.0   | 312.0   | 325.0   | 322.0   | 352.0   | 351.0   | 335.0   | 327.0   | 323.0    | 320.0    | 329.0    | 329.0    | 356.0    | 319.0    | 378.0    | 336.0   |
| Total Organic Carbon (TOC)   | mg/L   | 2.73    |        | 2.83    |        |       | 2.81    |       |        | 2.74    |       |       | 2.65    | 2.60    | 2.94    | 2.87    | 2.76    | 2.60    | 2.74    | 2.97    | 2.66    | 2.77    | 2.77    | 2.96    | 1.66    | 2.75    | 2.62    | 4.25     | 2.76     | 3.44     | 2.70     | 2.80     | 2.93     | 3.02     | 2.60    |
| Nitrate/Nitrite as N         | mg/L   | <0.020  |        | <0.020  |        |       | <0.020  |       |        | <0.020  |       |       | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020   | <0.020   | <0.020   | <0.020   | <0.020   | <0.020   | <0.020   |         |
| Ammonia as N ^               | mg/L   | NA      |        | NA      |        |       | NA      |       |        | NA      |       |       | 1.310   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       |         |
| Ortho-Phosphate as P ^       | mg/L   | NA      |        | NA      |        |       | NA      |       |        | NA      |       |       | <0.0500 | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       |         |
| Aluminum                     | mg/L   | <0.050  |        | <0.100  |        |       | <0.250  |       |        | <0.100  |       |       | <0.050  | <0.100  | <0.250  | <0.250  | <0.250  | <0.150  | <0.050  | <0.250  | <0.100  | <0.050  | <0.050  | <0.100  | <0.100  | <0.250  | <0.250  | < 0.250  | < 0.100  | < 0.100  | < 0.100  | < 0.050  | < 0.050  | < 0.250  | < 0.250 |
| Arsenic                      | mg/L   | 0.0008  |        | <0.0010 |        |       | 0.0006  |       |        | 0.0005  |       |       | 0.0005  | <0.0010 | <0.0010 | <0.0015 | <0.0025 | <0.0015 | <0.0015 | <0.0025 | <0.0010 | <0.0005 | 0.0006  | <0.0025 | 0.0010  | <0.0025 | <0.0025 | <0.0025  | < 0.0010 | < 0.0020 | < 0.0020 | < 0.0010 | < 0.0050 | < 0.0020 |         |
| Cadmium                      | mg/L   | <0.0001 |        | <0.0002 |        |       | <0.0001 |       |        | <0.0001 |       |       | <0.0001 | <0.0002 | <0.0002 | <0.0003 | <0.0005 | <0.0003 | <0.0015 | <0.0025 | <0.0010 | <0.0005 | <0.0005 | <0.0025 | <0.0010 | <0.0025 | <0.0025 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0005 | < 0.0005 | < 0.0025 | < 0.0010 |         |
| Copper                       | mg/L   | 0.0031  |        | 0.0066  |        |       | 0.0036  |       |        | 0.0035  |       |       | 0.0037  | 0.0027  | <0.0010 | <0.0015 | <0.0025 | 0.0015  | 0.0046  | 0.0047  | 0.0054  | 0.0055  | 0.0087  | 0.0038  | 0.0044  | 0.0025  | 0.0104  | 0.0031   | 0.0044   | 0.0088   | 0.0083   | 0.0081   | 0.0086   | 0.0083   |         |
| Iron                         | mg/L   | 0.137   |        | 0.162   |        |       | <0.     |       |        |         |       |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |         |

GCC Energy Hydrologic Monitoring Data

| MW-8-LM                      |        |         |        |         |        |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------|--------|---------|--------|---------|--------|--------|---------|--------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                         | 2018   | 2019    |        |         |        |        |         |        |        |         |        |        | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |         | 2023    |         |         |         | 2024    |         |         |         | 2025    |         |         |
| Quarter                      | Q4     | Q1      |        |         | Q2     |        |         | Q3     |        |         | Q4     |        | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      |         |
| Month                        | 12     | 1       | 2      | 3       | 4      | 5      | 6       | 7      | 8      | 9       | 10     | 11     | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 3       | 6       | 9       | 11      | 3       | 6       | 8       | 11      | 3       | 6       | 8       | 11      | 1       | 5       |         |
| Sample Date                  | 12/28  | 1/29    | 2/19   | 3/21    | 4/16   | 5/29   | 6/18    | 7/24   | 8/13   | 9/27    | 10/24  | 11/6   | 2/11    | 5/27    | 8/25    | 11/11   | 2/16    | 5/24    | 8/24    | 11/30   | 3/23    | 6/7     | 9/8     | 11/28   | 3/18    | 6/14    | 8/8     | 11/13   | 3/17    | 6/19    | 8/6     | 11/21   | 1/25    | 5/13    |         |
| Lab Analysis (Y/N)           | Y      | N       | Y      | N       | N      | Y      | N       | N      | Y      | N       | N      | Y      | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       |         |         |
| Field Parameters:            |        |         |        |         |        |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Purge Flow Rate              | gpm    | NM      | 1.00   | 0.25    | 1.00   | 0.50   | 0.10    | 0.25   | 0.25   | 0.50    | 0.25   | 0.12   | 0.25    | 0.25    | 0.25    | 0.13    | 0.13    | 0.13    | 0.13    | 0.25    | 0.25    | 0.15    | NM      | 0.14    | 0.03    | 0.16    | 0.20    | 0.15    | 0.20    | 0.18    | 0.14    | 0.19    | 0.12    |         |         |
| Total Purged                 | gal    | 30.0    | 4.0    | 1.5     | 1.0    | 2.0    | 1.3     | 6.8    | 2.0    | 2.0     | 1.0    | 1.0    | 1.5     | 1.0     | 1.0     | 2.0     | 1.0     | 1.5     | 1.0     | 1.0     | 1.0     | 1.0     | NM      | 0.7     | 0.7     | 0.7     | 0.7     | 0.7     | 0.7     | 0.7     | 0.7     | 0.7     | 0.7     |         |         |
| Depth to Water               | ft bgs | 136.39  | 130.52 | 134.30  | 144.03 | 140.03 | 137.48  | 142.23 | 144.15 | 138.06  | 137.50 | 137.60 | 137.34  | 139.15  | 129.70  | 127.90  | 125.75  | 126.72  | 126.13  | 125.25  | 123.55  | 124.10  | 123.75  | 126.81  | NM      | 126.10  | 125.80  | 126.12  | 125.92  | 124.95  | 125.05  | 125.12  | 125.05  | 126.05  | 127.25  |
| Temperature                  | deg C  | 4.1     | 13.9   | 13.2    | 8.7    | 13.6   | 13.9    | 12.8   | 13.7   | 13.4    | 13.0   | 11.7   | 13.3    | 11.4    | 13.4    | 13.6    | 8.8     | 12.1    | 12.8    | 13.5    | 12.5    | 12.3    | 14.1    | 13.4    | 11.9    | 12.7    | 13.0    | 13.1    | 13.2    | 11.5    | 12.8    | 13.8    | 12.3    | 10.4    | 12.6    |
| pH                           | SU     | 8.37    | 8.70   | 8.71    | 8.41   | 8.70   | 8.50    | 8.66   | 8.64   | 8.58    | 8.44   | 8.44   | 8.47    | 7.98    | 8.76    | 8.83    | 8.81    | 8.82    | 8.90    | 8.90    | 8.91    | 8.79    | 8.84    | 8.82    | 8.29    | 8.88    | 8.88    | 8.83    | 8.84    | 8.94    | 8.66    | 8.67    | 8.44    | 8.62    | 8.71    |
| Specific Conductance         | µS/cm  | 2306    | 1274   | 1265    | 1310   | 1262   | 1234    | 1264   | 1226   | 1269    | 1252   | 1299   | 1255    | 1294    | 1282    | 1055    | 1117    | 1132    | 1121    | 1196    | 1262    | 1260    | 1232    | 1255    | 1276    | 1233    | 1252    | 1241    | 1224    | 1305    | 1229    | 1227    | 1261    | 1365    | 1255    |
| Oxygen Reduction Potential   | mV     | 37.5    | -114.3 | 112.8   | 77.0   | -36.2  | 33.2    | -63.9  | -93.5  | -103.0  | -115.9 | -94.4  | -47.4   | -106.6  | -204.5  | -106.9  | -93.6   | -87.8   | -164.1  | -106.1  | -99.3   | -241.3  | -149.4  | -247.4  | -66.9   | -58.6   | -137.0  | -147.9  | -210.0  | -26.4   | -149.5  | -106.3  | -179.2  | -77.9   | -71.2   |
| Lab Analytical Results:      |        |         |        |         |        |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3            | mg/L   | 45.00   |        | 7.29    |        |        | 16.90   |        |        | 6.67    |        |        | 6.38    | 6.79    | 7.76    | 7.53    | 6.35    | 6.93    | 7.23    | 4.65    | 7.11    | 7.29    | 6.61    | 6.43    | 6.29    | 4.01    | 6.22    | 4.01    | 7.08    | 6.62    | 6.92    | 7.96    | 6.78    | 6.16    | 7.45    |
| pH (Lab)                     | SU     | 8.57    |        | 8.63    |        |        | 8.02    |        |        | 8.56    |        |        | 8.52    | 8.55    | 8.41    | 8.45    | 8.48    | 8.54    | 8.57    | 8.48    | 8.31    | 8.61    | 8.63    | 8.99    | 8.59    | 8.47    | 8.51    | 8.71    | 8.84    | 8.42    | 8.66    | 8.70    | 8.73    | 8.64    | 8.60    |
| Total Dissolved Solids (Lab) | mg/L   | 1420    |        | 770     |        |        | 780     |        |        | 785     |        |        | 780     | 840     | 730     | 740     | 700     | 795     | 720     | 740     | 760     | 740     | 795     | 755     | 685     | 765     | 745     | 805     | 755     | 760     | 760     | 750     | 775     | 740     |         |
| Calcium                      | mg/L   | 10.8    |        | 1.9     |        |        | 3.8     |        |        | 1.8     |        |        | 1.7     | 1.8     | 2.1     | 2.1     | 1.7     | 1.9     | 1.9     | 1.9     | 1.9     | 2.0     | 1.8     | 1.7     | 1.7     | 1.6     | 1.7     | 1.6     | 1.9     | 1.8     | 1.8     | 2.1     | 1.8     | 1.6     | 1.9     |
| Magnesium                    | mg/L   | 4.390   |        | 0.600   |        |        | 1.770   |        |        | 0.541   |        |        | 0.528   | 0.574   | 0.620   | 0.587   | 0.502   | 0.550   | 0.592   | <0.500  | 0.587   | 0.580   | 0.530   | 0.532   | 0.524   | <0.500  | 0.473   | <0.500  | 0.583   | 0.534   | 0.563   | 0.655   | 0.532   | 0.509   | 0.675   |
| Sodium                       | mg/L   | 382.0   |        | 341.0   |        |        | 317.0   |        |        | 306.0   |        |        | 305.0   | 309.0   | 315.0   | 337.0   | 304.0   | 319.0   | 315.0   | 308.0   | 291.0   | 316.0   | 298.0   | 298.0   | 301.0   | 287.0   | 315.0   | 289.0   | 299.0   | 304.0   | 311.0   | 304.0   | 310.0   | 300.0   | 312.0   |
| Potassium                    | mg/L   | 45.70   |        | 3.49    |        |        | <5.00   |        |        | 2.27    |        |        | 2.18    | 2.06    | <5.00   | <5.00   | <5.00   | <3.00   | 2.24    | <5.00   | 2.12    | 2.31    | 2.06    | <2.00   | 2.12    | <5.00   | 1.85    | <5.00   | 2.07    | 2.00    | 2.13    | 2.22    | 2.07    | <5.00   | <5.00   |
| Alkalinity, Total            | mg/L   | 615     |        | 720     |        |        | 745     |        |        | 731     |        |        | 745     | 685     | 630     | 675     | 780     | 730     | 755     | 750     | 770     | 780     | 765     | 760     | 750     | 714     | 732     | 714     | 700     | 690     | 760     | 745     | 765     | 740     | 740     |
| Alkalinity, Bicarbonate      | mg/L   | 535     |        | 610     |        |        | 645     |        |        | 645     |        |        | 685     | 595     | 530     | 585     | 680     | 630     | 645     | 650     | 620     | 640     | 655     | 580     | 510     | 666     | 732     | 646     | 620     | 640     | 640     | 665     | 665     | 670     | 600     |
| Alkalinity, Carbonate        | mg/L   | 80.0    |        | 110.0   |        |        | 100.0   |        |        | 86.0    |        |        | 60.0    | 90.0    | 100.0   | 90.0    | 100.0   | 100.0   | 110.0   | 100.0   | 150.0   | 140.0   | 110.0   | 180.0   | 240.0   | 48.0    | <10.0   | 68.0    | 80.0    | 50.0    | 120.0   | 80.0    | 100.0   | 70.0    | 140.0   |
| Alkalinity, Hydroxide        | mg/L   | <10.0   |        | <10.0   |        |        | <10.0   |        |        | <10.0   |        |        | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   |         |
| Chloride                     | mg/L   | 175.00  |        | 5.11    |        |        | 6.80    |        |        | 2.63    |        |        | 2.48    | 3.04    | 3.01    | 2.98    | 2.47    | 2.50    | 2.48    | 2.55    | 2.47    | 2.47    | 2.49    | 2.64    | 2.65    | 2.66    | 2.76    | 2.67    | 2.75    | 2.66    | 2.64    | 2.57    | <5.00   | <5.00   | 2.50    |
| Fluoride                     | mg/L   | 2.060   |        | 3.910   |        |        | 3.950   |        |        | 3.970   |        |        | 3.880   | 3.610   | 3.630   | 3.530   | 3.660   | 3.580   | 3.480   | 3.670   | 3.400   | 3.440   | 3.250   | 3.790   | 3.730   | 3.840   | 3.650   | 3.150   | 3.420   | 3.930   | 3.940   | 3.860   | 3.920   | 4.130   | 3.800   |
| Sulfate as SO4               | mg/L   | 190.00  |        | 3.79    |        |        | 9.58    |        |        | 1.02    |        |        | <1.00   | <2.00   | <2.00   | <2.00   | <1.00   | <1.00   | <1.00   | <1.00   | <1.00   | <1.00   | <1.00   | <2.00   | <2.00   | <2.00   | 0.89    | <2.00   | <2.00   | <2.00   | <2.00   | <2.00   | <5.00   | <5.00   | <1.00   |
| Total Organic Carbon (TOC)   | mg/L   | 2.80    |        | 1.80    |        |        | 3.33    |        |        | 1.94    |        |        | 1.69    | 1.69    | 1.92    | 1.82    | 1.66    | 1.20    | 1.71    | 1.79    | 1.60    | 1.70    | 1.72    | 1.77    | 1.13    | 1.73    | 1.43    | 1.89    | 1.70    | 2.43    | 1.70    | 1.72    | 1.61    | 1.94    | 1.49    |
| Nitrate/Nitrite as N         | mg/L   | <0.020  |        | <0.020  |        |        | <0.020  |        |        | <0.020  |        |        | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  |         |
| Ammonia as N ^               | mg/L   | NA      |        | NA      |        |        | NA      |        |        | NA      |        |        | 0.282   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |
| Ortho-Phosphate as P ^       | mg/L   | NA      |        | NA      |        |        | NA      |        |        | NA      |        |        | <0.0500 | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |
| Aluminum                     | mg/L   | <0.050  |        | <0.100  |        |        | <0.250  |        |        | <0.050  |        |        | <0.050  | <0.100  | <0.250  | <0.250  | <0.250  | <0.150  | <0.050  | <0.250  | <0.100  | <0.050  | <0.050  | <0.100  | <0.050  | <0.250  | <0.250  | <0.250  | <0.050  | <0.100  | <0.100  | <0.050  | <0.050  | <0.250  | <0.250  |
| Arsenic                      | mg/L   | 0.0106  |        | <0.0010 |        |        | 0.0006  |        |        | 0.0007  |        |        | 0.0006  | <0.0005 | <0.0010 | <0.0015 | <0.0025 | <0.0015 | <0.0015 | <0.0025 | <0.0010 | 0.0008  | 0.0008  | <0.0025 | <0.0005 | <0.0025 | <0.0015 | <0.0025 | <0.0010 | <0.0020 | <0.0020 | <0.0010 | <0.0010 | <0.0010 | <0.0020 |
| Cadmium                      | mg/L   | <0.0001 |        | <0.0002 |        |        | <0.0001 |        |        | <0.0001 |        |        | <0.0001 | <0.0001 | <0.0002 | <0.0003 | <0.0005 | <0.0003 | <0.0015 | <0.0025 | <0.0010 | <0.0005 | <0.0005 | <0.0025 | <0.0005 | <0.0025 | <0.0015 | <0.0025 | <0.0010 | <0.0010 | <0.0010 | <0.0005 | <0.0005 | <0.0005 | <0.0010 |
| Copper                       | mg/L   | 0.0337  |        | 0.0077  |        |        | 0.0047  |        |        | 0.0041  |        |        | 0.0051  | 0.0033  | 0.0012  | 0.0017  | <0.0025 | 0.0025  | 0.0057  | 0.0068  | 0.0065  | 0.0075  | 0.0167  | 0.0052  | 0.0079  | 0.0043  | 0.0155  | 0.0040  | 0.0068  | 0.0128  | 0.0132  | 0.0130  | 0.0143  | 0.0130  | 0.0128  |
| Iron                         | mg/L   | <0.050  |        | <0.100  |        |        | <0.250  |        |        | <0.050  |        |        | <       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |

GCC Energy Hydrologic Monitoring Data

| MW-8-PL                      |        |         |        |         |        |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |        |
|------------------------------|--------|---------|--------|---------|--------|--------|---------|--------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|--------|
| Year                         | 2018   | 2019    |        |         |        |        |         |        |        |         |        |        | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |         | 2023    |         |         |          | 2024     |          |          |          | 2025     |          |        |
| Quarter                      | Q4     | Q1      |        |         | Q2     |        |         | Q3     |        |         | Q4     |        | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4       | Q1       | Q2       | Q3       | Q4       | Q1       | Q2       |        |
| Month                        | 12     | 1       | 2      | 3       | 4      | 5      | 6       | 7      | 8      | 9       | 10     | 11     | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 3       | 6       | 9       | 11      | 3       | 6       | 8       | 11       | 3        | 6        | 8        | 11       | 1        | 5        |        |
| Sample Date                  | 12/27  | 1/29    | 2/19   | 3/20    | 4/16   | 5/29   | 6/20    | 7/24   | 8/13   | 9/27    | 10/24  | 11/6   | 2/11    | 5/27    | 8/25    | 11/11   | 2/16    | 5/24    | 8/24    | 11/30   | 3/23    | 6/7     | 9/8     | 11/28   | 3/18    | 6/14    | 8/8     | 11/13    | 3/17     | 6/19     | 8/6      | 11/21    | 1/25     | 5/13     |        |
| Lab Analysis (Y/N)           | Y      | N       | Y      | N       | N      | Y      | N       | N      | Y      | N       | N      | Y      | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y        | Y        | Y        | Y        | Y        | Y        |          |        |
| Field Parameters:            |        |         |        |         |        |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |        |
| Purge Flow Rate              | gpm    | 0.25    | 1.00   | 0.50    | 3.00   | 0.50   | 0.25    | 0.50   | 1.00   | 0.50    | 0.50   | 0.75   | 0.25    | 0.25    | 0.25    | 0.25    | 0.75    | 0.25    | 0.25    | 0.25    | 0.25    | 0.25    | 0.13    | 1.00    | 0.22    | 0.18    | 0.13    | 0.16     | 0.22     | 0.13     | 0.13     | 0.13     | 0.13     | 0.06     |        |
| Total Purged                 | gal    | 20.0    | 5.0    | 2.0     | 3.0    | 2.0    | 3.0     | 2.5    | 2.3    | 2.5     | 2.0    | 2.5    | 1.3     | 2.0     | 2.0     | 2.3     | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 1.8     | 1.0     | 1.0     | 1.0     | 1.0     | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      |        |
| Depth to Water               | ft bgs | 125.97  | 126.29 | 126.40  | 127.10 | 126.98 | 126.70  | 126.82 | 127.25 | 127.38  | 127.42 | 127.48 | 127.59  | 127.32  | 127.34  | 128.00  | 127.31  | 127.50  | 127.83  | 127.89  | 127.90  | 128.30  | 128.40  | 128.53  | 128.75  | 128.10  | 128.05  | 128.48   | 128.50   | 128.25   | 128.19   | 128.36   | 128.10   | 127.75   | 127.80 |
| Temperature                  | deg C  | 10.3    | 14.2   | 13.4    | 12.9   | 13.2   | 14.2    | 14.8   | 14.7   | 14.9    | 14.0   | 13.2   | 14.9    | 13.8    | 14.8    | 14.9    | 14.1    | 12.9    | 14.6    | 14.8    | 13.4    | 14.1    | 14.1    | 14.3    | 12.8    | 13.2    | 14.2    | 13.4     | 13.3     | 12.2     | 13.1     | 13.5     | 12.6     | 11.8     | 13.2   |
| pH                           | SU     | 7.50    | 7.30   | 7.49    | 7.30   | 7.29   | 7.31    | 7.57   | 7.56   | 7.52    | 7.45   | 7.47   | 7.52    | 7.55    | 7.47    | 7.52    | 7.53    | 7.58    | 7.55    | 7.57    | 7.43    | 7.49    | 7.44    | 7.67    | 7.61    | 7.56    | 7.53    | 7.57     | 7.69     | 7.33     | 7.34     | 7.38     | 7.24     | 7.37     |        |
| Specific Conductance         | µS/cm  | 1690    | 1531   | 1571    | 1558   | 1554   | 1411    | 1326   | 1165   | 1083    | 947    | 940    | 900     | 862     | 844     | 792     | 827     | 760     | 813     | 816     | 836     | 817     | 826     | 822     | 848     | 853     | 825     | 814      | 815      | 854      | 813      | 824      | 830      | 880      | 822    |
| Oxygen Reduction Potential   | mV     | 30.2    | -116.5 | 97.9    | -108.7 | -110.6 | 34.2    | -57.6  | -74.0  | -79.5   | -51.3  | -52.5  | -30.8   | -59.9   | -101.9  | -38.0   | -37.3   | -11.5   | -76.6   | -64.4   | -53.5   | -161.9  | -94.6   | -215.9  | -104.0  | -36.3   | -87.6   | -113.8   | -140.3   | -210.9   | -141.2   | -101.5   | -189.8   | -90.2    | -93.1  |
| Lab Analytical Results:      |        |         |        |         |        |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |          |          |          |          |          |          |        |
| Hardness as CaCO3            | mg/L   | 617     |        | 644     |        |        | 596     |        |        | 411     |        |        | 294     | 278     | 298     | 292     | 268     | 281     | 283     | 280     | 272     | 292     | 276     | 275     | 274     | 303     | 282     | 274      | 269      | 279      | 282      | 296      | 281      | 268      | 292    |
| pH (Lab)                     | SU     | 7.28    |        | 7.40    |        |        | 7.26    |        |        | 7.22    |        |        | 7.39    | 7.47    | 7.19    | 7.16    | 7.41    | 7.36    | 7.41    | 7.29    | 7.16    | 7.42    | 7.47    | 7.88    | 7.39    | 7.33    | 7.36    | 7.51     | 7.70     | 7.26     | 7.52     | 7.56     | 7.55     | 7.54     | 7.47   |
| Total Dissolved Solids (Lab) | mg/L   | 1150    |        | 1090    |        |        | 995     |        |        | 705     |        |        | 620     | 500     | 490     | 525     | 465     | 525     | 505     | 475     | 465     | 485     | 505     | 500     | 430     | 500     | 465     | 540      | 505      | 460      | 490      | 480      | 490      | 450      | 275    |
| Calcium                      | mg/L   | 112.0   |        | 120.0   |        |        | 105.0   |        |        | 73.1    |        |        | 52.1    | 49.3    | 53.8    | 53.3    | 49.1    | 52.2    | 53.3    | 53.0    | 51.1    | 55.7    | 53.1    | 52.4    | 52.0    | 57.9    | 53.3    | 52.4     | 51.4     | 53.5     | 55.1     | 57.7     | 53.4     | 50.6     | 54.8   |
| Magnesium                    | mg/L   | 82.1    |        | 83.8    |        |        | 81.4    |        |        | 55.4    |        |        | 39.7    | 37.6    | 39.7    | 38.5    | 35.4    | 36.6    | 36.5    | 35.9    | 35.0    | 37.1    | 34.9    | 35.1    | 34.9    | 38.4    | 36.1    | 34.8     | 34.1     | 35.4     | 35.2     | 36.9     | 35.9     | 34.4     | 37.7   |
| Sodium                       | mg/L   | 106.0   |        | 124.0   |        |        | 102.0   |        |        | 91.7    |        |        | 83.3    | 78.5    | 80.4    | 81.6    | 77.2    | 78.6    | 79.7    | 77.8    | 73.7    | 80.8    | 75.4    | 76.3    | 75.0    | 81.7    | 77.4    | 75.3     | 75.1     | 76.0     | 78.2     | 77.5     | 78.1     | 74.0     | 78.4   |
| Potassium                    | mg/L   | 5.14    |        | 5.62    |        |        | <5.00   |        |        | 2.80    |        |        | 2.35    | 2.32    | 2.11    | <2.00   | <2.00   | 1.78    | 1.73    | <2.00   | 1.54    | 1.71    | 1.48    | 1.53    | 1.55    | <2.00   | 1.59    | < 2.00   | 1.46     | 1.54     | < 2.00   | 1.67     | 1.61     | < 5.00   | 1.64   |
| Alkalinity, Total            | mg/L   | 370     |        | 415     |        |        | 435     |        |        | 393     |        |        | 390     | 339     | 340     | 315     | 410     | 370     | 385     | 360     | 385     | 362     | 380     | 356     | 410     | 350     | 388     | 350      | 335      | 370      | 375      | 375      | 405      | 365      | 390    |
| Alkalinity, Bicarbonate      | mg/L   | 370     |        | 415     |        |        | 435     |        |        | 393     |        |        | 390     | 339     | 340     | 315     | 410     | 370     | 385     | 360     | 385     | 362     | 380     | 340     | 410     | 338     | 388     | 350      | 335      | 370      | 375      | 375      | 405      | 365      | 390    |
| Alkalinity, Carbonate        | mg/L   | <10.0   |        | <10.0   |        |        | <10.0   |        |        | <10.0   |        |        | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | 16.0    | <10.0   | 12.0    | <10.0   | < 10.0  | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   |        |
| Alkalinity, Hydroxide        | mg/L   | <10.0   |        | <10.0   |        |        | <10.0   |        |        | <10.0   |        |        | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   | < 10.0   |        |
| Chloride                     | mg/L   | 18.80   |        | 18.50   |        |        | 9.03    |        |        | 5.61    |        |        | 5.66    | 3.51    | 3.38    | 3.33    | 3.32    | 3.39    | 3.30    | 3.33    | 3.38    | 3.33    | 3.34    | 3.66    | 3.51    | 3.70    | 3.61    | 3.67     | 3.58     | 3.56     | 3.56     | 3.48     | 3.37     | 3.62     | 3.52   |
| Fluoride                     | mg/L   | 0.505   |        | 0.474   |        |        | 0.290   |        |        | 0.291   |        |        | <0.500  | 0.258   | 0.240   | 0.233   | 0.224   | 0.219   | 0.200   | 0.222   | 0.196   | 0.195   | 0.159   | 0.198   | 0.187   | 0.218   | 0.175   | 0.126    | 0.159    | 0.206    | 0.201    | 0.211    | 0.233    | 0.215    | 0.202  |
| Sulfate as SO4               | mg/L   | 478.0   |        | 471.0   |        |        | 390.0   |        |        | 232.0   |        |        | 127.0   | 109.0   | 103.0   | 99.2    | 99.0    | 101.0   | 96.3    | 102.0   | 98.4    | 100.0   | 94.7    | 106.0   | 107.0   | 107.0   | 106.0   | 104.0    | 104.0    | 106.0    | 107.0    | 106.0    | 102.0    | 108.0    | 108.0  |
| Total Organic Carbon (TOC)   | mg/L   | 4.17    |        | 4.02    |        |        | 2.92    |        |        | 2.21    |        |        | 1.75    | 1.63    | 1.63    | 1.61    | 1.44    | 0.93    | 1.42    | 1.54    | 1.40    | 1.54    | 1.36    | 1.60    | 0.77    | 1.44    | 1.15    | 1.59     | < 1.00   | 1.45     | 1.46     | 1.40     | 1.47     | 1.50     | 1.26   |
| Nitrate/Nitrite as N         | mg/L   | <0.020  |        | <0.020  |        |        | <0.020  |        |        | <0.020  |        |        | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  | < 0.020  |        |
| Ammonia as N ^               | mg/L   | NA      |        | NA      |        |        | NA      |        |        | NA      |        |        | 0.199   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA     |
| Ortho-Phosphate as P ^       | mg/L   | NA      |        | NA      |        |        | NA      |        |        | NA      |        |        | <0.0500 | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA       | NA       | NA       | NA       | NA       | NA       | NA       | NA     |
| Aluminum                     | mg/L   | <0.050  |        | <0.100  |        |        | <0.250  |        |        | <0.050  |        |        | <0.050  | <0.050  | <0.100  | <0.100  | <0.100  | <0.050  | <0.050  | <0.100  | <0.050  | <0.050  | <0.050  | <0.050  | <0.100  | <0.050  | < 0.100 | < 0.050  | < 0.050  | < 0.100  | < 0.050  | < 0.050  | < 0.250  | < 0.050  |        |
| Arsenic                      | mg/L   | 0.0074  |        | 0.0124  |        |        | 0.0190  |        |        | 0.0156  |        |        | 0.0104  | 0.0073  | 0.0075  | 0.0064  | 0.0058  | 0.0074  | 0.0055  | 0.0017  | 0.0051  | 0.0046  | 0.0047  | 0.0042  | 0.0037  | 0.0033  | 0.0036  | 0.0029   | 0.0030   | 0.0029   | 0.0030   | 0.0026   | 0.0026   | 0.0025   |        |
| Cadmium                      | mg/L   | <0.0001 |        | <0.0002 |        |        | <0.0001 |        |        | <0.0001 |        |        | <0.0001 | <0.0002 | <0.0001 | <0.0002 | <0.0002 | <0.0001 | <0.0010 | <0.0010 | <0.0005 | <0.0005 | <0.0005 | <0.0010 | <0.0005 | <0.0025 | <0.0005 | < 0.0010 | < 0.0005 | < 0.0005 | < 0.0010 | < 0.0005 | < 0.0005 | < 0.0005 |        |
| Copper                       | mg/L   | 0.0016  |        | 0.0025  |        |        | 0.0017  |        |        | 0.0011  |        |        | 0.0004  | 0.0010  | <0.0025 | <0.001  | 0.0014  | 0.0005  | 0.0013  | <0.0010 | 0.0015  | 0.0023  | 0.0040  | 0.0014  | 0.0015  | 0.0028  | 0.0027  | 0.0020   | 0.0026   | 0.0030   | 0.0038   | 0.0039   | 0.0052   | 0.0029   |        |
| Iron                         | mg/L   | <0.050  |        | 0.352   |        |        | <0.250  |        |        | 0.129   |        |        | 0.075   | 0.054   | <0.100  | <0.100  | <0.100  | <0.050  | <0.050  | <0.100  | 0.070   | 0.079   | <       |         |         |         |         |          |          |          |          |          |          |          |        |



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
970.247.4227 Fax  
jeremy.allen@greenanalytical.com

03 June 2025

Michael Dickson  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: [none]

Enclosed are the results of analyses for samples received by the laboratory on 05/12/25 16:45. This data replaces the previous report (See case narrative). The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Jeremy D Allen  
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

# Table of Contents

|                                |    |
|--------------------------------|----|
| Samples in Report              | 3  |
| Case Narratives                | 4  |
| Sample Results                 | 5  |
| 2505141-01: Seep-3             | 5  |
| Quality Assurance Results      | 7  |
| Notes and Definitions          | 11 |
| Qualifier Summary              | 12 |
| Chain of Custody & Attachments | 13 |



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:36

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| Seep-3    | 2505141-01    | Water  | 05/12/25 10:56 | 05/12/25 16:45 |       |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:36

This report has been reissued in order to rerun Manganese and Iron for sample -01, per client request. The data has been replaced and qualified. This replaces the previously issued report dated 2505141\_1 GAL 05 23 25 1032.

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:36

### Seep-3

**2505141-01 (Ground Water)**

**Sampled Date: 05/12/25 10:56**

**Sampled By: Brandon Waddell**

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

#### General Chemistry

|                                                |        |       |       |           |   |                |                       |  |     |
|------------------------------------------------|--------|-------|-------|-----------|---|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 590    | 10.0  | 5.55  | mg/L      | 5 | 05/19/25 13:45 | 2320 B                |  | AWG |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 5 | 05/19/25 13:45 | 2320 B                |  | AWG |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 5 | 05/19/25 13:45 | 2320 B                |  | AWG |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 590    | 10.0  | 5.55  | mg/L      | 5 | 05/19/25 13:45 | 2320 B                |  | AWG |
| Cation/Anion Balance                           | 6.60   | -100  | -100  | %         | 1 | 05/20/25 14:24 | Calculation           |  | JDA |
| Chloride*                                      | 6.62   | 5.00  | 2.49  | mg/L      | 5 | 05/16/25 20:22 | EPA 300.0             |  | AWG |
| Fluoride*                                      | 0.545  | 0.500 | 0.168 | mg/L      | 5 | 05/16/25 20:22 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007 | mg/L as N | 1 | 05/20/25 13:35 | EPA 353.2             |  | HIC |
| pH*                                            | 7.37   |       |       | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 20.1   |       |       | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| SAR                                            | 1.26   |       |       | No Unit   | 1 | 05/14/25 15:29 | Calculation           |  | AWG |
| Sulfate*                                       | 460    | 5.00  | 2.81  | mg/L      | 5 | 05/16/25 20:22 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 1200   | 10.0  |       | mg/L      | 1 | 05/14/25 16:54 | EPA 160.1/SM<br>2540C |  | HIC |
| Total Organic Carbon*                          | 14.7   | 0.500 | 0.220 | mg/L      | 1 | 05/21/25 15:31 | 5310C                 |  | AES |

#### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |    |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|----|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178 | mg/L | 5 | 05/14/25 15:29 | EPA 200.7   |    | AWG |
| Calcium*                      | 167    | 0.500 | 0.362 | mg/L | 5 | 05/14/25 15:29 | EPA 200.7   |    | AWG |
| Hardness as CaCO <sub>3</sub> | 934    | 3.31  | 2.54  | mg/L | 5 | 05/14/25 15:29 | 2340 B      |    | AWG |
| Iron*                         | <0.250 | 0.250 | 0.173 | mg/L | 5 | 06/02/25 15:43 | EPA 200.7   | Q6 | AWG |
| Magnesium*                    | 126    | 0.500 | 0.397 | mg/L | 5 | 05/14/25 15:29 | EPA 200.7   |    | AWG |
| Potassium*                    | 5.62   | 5.00  | 0.906 | mg/L | 5 | 05/14/25 15:29 | EPA 200.7   |    | AWG |
| Silica (SiO <sub>2</sub> )    | 18.7   | 5.35  | 0.104 | mg/L | 5 | 05/14/25 15:29 | Calculation |    | AWG |
| Silicon                       | 8.74   | 2.50  | 0.049 | mg/L | 5 | 05/14/25 15:29 | EPA 200.7   |    | AWG |
| Sodium*                       | 88.9   | 5.00  | 3.78  | mg/L | 5 | 05/14/25 15:29 | EPA 200.7   |    | AWG |

#### Dissolved Metals by ICPMS

|            |         |        |         |      |   |                |           |    |     |
|------------|---------|--------|---------|------|---|----------------|-----------|----|-----|
| Arsenic*   | 0.0027  | 0.0020 | 0.0008  | mg/L | 2 | 05/16/25 17:52 | EPA 200.8 |    | AES |
| Cadmium*   | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 05/16/25 17:52 | EPA 200.8 |    | AES |
| Copper*    | 0.0117  | 0.0020 | 0.0015  | mg/L | 2 | 05/16/25 17:52 | EPA 200.8 |    | AES |
| Lead*      | <0.0010 | 0.0010 | 0.0002  | mg/L | 2 | 05/16/25 17:52 | EPA 200.8 |    | AES |
| Manganese* | 0.836   | 0.0025 | 0.0009  | mg/L | 5 | 06/02/25 13:49 | EPA 200.8 | Q6 | AES |

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:36

### Seep-3

**2505141-01 (Ground Water)**

**Sampled Date: 05/12/25 10:56**

**Sampled By: Brandon Waddell**

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

#### Dissolved Metals by ICPMS

|                    |               |        |         |      |   |                |           |  |     |
|--------------------|---------------|--------|---------|------|---|----------------|-----------|--|-----|
| <b>Molybdenum*</b> | <b>0.0010</b> | 0.0010 | 0.00009 | mg/L | 2 | 05/16/25 17:52 | EPA 200.8 |  | AES |
| <b>Selenium*</b>   | <0.0020       | 0.0020 | 0.0007  | mg/L | 2 | 05/16/25 17:52 | EPA 200.8 |  | AES |
| <b>Uranium</b>     | <0.0010       | 0.0010 | 0.00005 | mg/L | 2 | 05/16/25 17:52 | EPA 200.8 |  | AES |
| <b>Zinc*</b>       | <b>0.0215</b> | 0.0040 | 0.0010  | mg/L | 2 | 05/16/25 17:52 | EPA 200.8 |  | AES |

#### Dissolved Mercury by CVAFS

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/21/25 14:23 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:36

### General Chemistry - Quality Control

| Analyte                                        | Result | Reporting Limit | Units     | Spike Level                           | Source Result | %REC | %REC Limits  | RPD    | RPD Limit | Notes |
|------------------------------------------------|--------|-----------------|-----------|---------------------------------------|---------------|------|--------------|--------|-----------|-------|
| <b>Batch B251251 - Dissolved ICP</b>           |        |                 |           |                                       |               |      |              |        |           |       |
| <b>Blank (B251251-BLK1)</b>                    |        |                 |           | Prepared: 05/13/25 Analyzed: 05/14/25 |               |      |              |        |           |       |
| SAR                                            | 0.00   |                 | No Unit   |                                       |               |      |              |        |           |       |
| <b>Batch B251265 - General Prep - Wet Chem</b> |        |                 |           |                                       |               |      |              |        |           |       |
| <b>Blank (B251265-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 05/14/25         |               |      |              |        |           |       |
| Total Dissolved Solids                         | ND     | 10.0            | mg/L      |                                       |               |      |              |        |           |       |
| <b>Reference (B251265-SRM1)</b>                |        |                 |           | Prepared & Analyzed: 05/14/25         |               |      |              |        |           |       |
| Total Dissolved Solids                         | 365    | 10.0            | mg/L      | 400                                   |               | 91.2 | 85-115       |        |           |       |
| <b>Batch B251285 - Lachat</b>                  |        |                 |           |                                       |               |      |              |        |           |       |
| <b>Blank (B251285-BLK1)</b>                    |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |        |           |       |
| Nitrate/Nitrite as N                           | ND     | 0.020           | mg/L as N |                                       |               |      |              |        |           |       |
| <b>LCS (B251285-BS1)</b>                       |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |        |           |       |
| Nitrate/Nitrite as N                           | 1.01   | 0.020           | mg/L as N | 1.00                                  |               | 101  | 90-110       |        |           |       |
| <b>LCS Dup (B251285-BSD1)</b>                  |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |        |           |       |
| Nitrate/Nitrite as N                           | 1.01   | 0.020           | mg/L as N | 1.00                                  |               | 101  | 90-110       | 0.0995 | 20        |       |
| <b>Batch B251288 - General Prep - Wet Chem</b> |        |                 |           |                                       |               |      |              |        |           |       |
| <b>Reference (B251288-SRM1)</b>                |        |                 |           | Prepared & Analyzed: 05/14/25         |               |      |              |        |           |       |
| pH                                             | 6.94   |                 | pH Units  | 7.00                                  |               | 99.1 | 98.57-101.42 |        |           |       |
| <b>Batch B251295 - IC- Ion Chromatograph</b>   |        |                 |           |                                       |               |      |              |        |           |       |
| <b>Blank (B251295-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 05/16/25         |               |      |              |        |           |       |
| Chloride                                       | ND     | 1.00            | mg/L      |                                       |               |      |              |        |           |       |
| Fluoride                                       | ND     | 0.100           | mg/L      |                                       |               |      |              |        |           |       |
| Sulfate                                        | ND     | 1.00            | mg/L      |                                       |               |      |              |        |           |       |
| <b>LCS (B251295-BS1)</b>                       |        |                 |           | Prepared & Analyzed: 05/16/25         |               |      |              |        |           |       |
| Chloride                                       | 24.0   | 1.00            | mg/L      | 25.0                                  |               | 96.1 | 90-110       |        |           |       |
| Fluoride                                       | 2.41   | 0.100           | mg/L      | 2.50                                  |               | 96.2 | 90-110       |        |           |       |
| Sulfate                                        | 23.6   | 1.00            | mg/L      | 25.0                                  |               | 94.3 | 90-110       |        |           |       |
| <b>LCS Dup (B251295-BSD1)</b>                  |        |                 |           | Prepared & Analyzed: 05/16/25         |               |      |              |        |           |       |
| Chloride                                       | 23.8   | 1.00            | mg/L      | 25.0                                  |               | 95.3 | 90-110       | 0.852  | 20        |       |
| Fluoride                                       | 2.39   | 0.100           | mg/L      | 2.50                                  |               | 95.5 | 90-110       | 0.793  | 20        |       |

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:36

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251295 - IC- Ion Chromatograph (Continued)

##### LCS Dup (B251295-BSD1) (Continued)

Prepared & Analyzed: 05/16/25

|         |      |      |      |      |  |      |        |       |    |  |
|---------|------|------|------|------|--|------|--------|-------|----|--|
| Sulfate | 23.4 | 1.00 | mg/L | 25.0 |  | 93.5 | 90-110 | 0.929 | 20 |  |
|---------|------|------|------|------|--|------|--------|-------|----|--|

#### Batch B251336 - General Prep - Wet Chem

##### Blank (B251336-BLK1)

Prepared & Analyzed: 05/19/25

|                                              |    |      |      |  |  |  |  |  |  |  |
|----------------------------------------------|----|------|------|--|--|--|--|--|--|--|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | ND | 10.0 | mg/L |  |  |  |  |  |  |  |

##### LCS (B251336-BS1)

Prepared & Analyzed: 05/19/25

|                                        |      |      |      |     |  |      |        |  |  |  |
|----------------------------------------|------|------|------|-----|--|------|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 98.0 | 10.0 | mg/L | 100 |  | 98.0 | 85-115 |  |  |  |
|----------------------------------------|------|------|------|-----|--|------|--------|--|--|--|

##### LCS Dup (B251336-BSD1)

Prepared & Analyzed: 05/19/25

|                                        |     |      |      |     |  |     |        |      |    |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|------|----|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 101 | 10.0 | mg/L | 100 |  | 101 | 85-115 | 3.02 | 20 |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|------|----|--|

##### Reference (B251336-SRM1)

Prepared & Analyzed: 05/19/25

|                                        |     |      |      |     |  |     |        |  |  |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 101 | 10.0 | mg/L | 100 |  | 101 | 85-115 |  |  |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|

#### Batch B251365 - General Prep - Wet Chem

##### Blank (B251365-BLK1)

Prepared & Analyzed: 05/21/25

|                      |    |       |      |  |  |  |  |  |  |  |
|----------------------|----|-------|------|--|--|--|--|--|--|--|
| Total Organic Carbon | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
|----------------------|----|-------|------|--|--|--|--|--|--|--|

##### LCS (B251365-BS1)

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |  |      |        |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|
| Total Organic Carbon | 9.78 | 0.500 | mg/L | 10.0 |  | 97.8 | 85-115 |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|

##### LCS Dup (B251365-BSD1)

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |  |      |        |       |    |  |
|----------------------|------|-------|------|------|--|------|--------|-------|----|--|
| Total Organic Carbon | 9.81 | 0.500 | mg/L | 10.0 |  | 98.1 | 85-115 | 0.306 | 20 |  |
|----------------------|------|-------|------|------|--|------|--------|-------|----|--|

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:36

### Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251251 - Dissolved ICP

##### Blank (B251251-BLK1)

Prepared: 05/13/25 Analyzed: 05/14/25

|           |    |       |      |  |  |  |  |  |  |  |
|-----------|----|-------|------|--|--|--|--|--|--|--|
| Aluminum  | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Calcium   | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Magnesium | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Potassium | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Silicon   | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
| Sodium    | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251251-BS1)

Prepared: 05/13/25 Analyzed: 05/14/25

|           |      |       |      |      |  |      |        |  |  |  |
|-----------|------|-------|------|------|--|------|--------|--|--|--|
| Aluminum  | 3.87 | 0.050 | mg/L | 4.00 |  | 96.7 | 85-115 |  |  |  |
| Calcium   | 3.95 | 0.100 | mg/L | 4.00 |  | 98.7 | 85-115 |  |  |  |
| Magnesium | 20.6 | 0.100 | mg/L | 20.0 |  | 103  | 85-115 |  |  |  |
| Potassium | 8.10 | 1.00  | mg/L | 8.00 |  | 101  | 85-115 |  |  |  |
| Silicon   | 4.22 | 0.500 | mg/L | 4.00 |  | 106  | 85-115 |  |  |  |
| Sodium    | 3.19 | 1.00  | mg/L | 3.24 |  | 98.6 | 85-115 |  |  |  |

##### LCS Dup (B251251-BSD1)

Prepared: 05/13/25 Analyzed: 05/14/25

|           |      |       |      |      |  |      |        |      |    |  |
|-----------|------|-------|------|------|--|------|--------|------|----|--|
| Aluminum  | 3.92 | 0.050 | mg/L | 4.00 |  | 98.0 | 85-115 | 1.32 | 20 |  |
| Calcium   | 4.02 | 0.100 | mg/L | 4.00 |  | 100  | 85-115 | 1.72 | 20 |  |
| Magnesium | 20.9 | 0.100 | mg/L | 20.0 |  | 105  | 85-115 | 1.68 | 20 |  |
| Potassium | 8.21 | 1.00  | mg/L | 8.00 |  | 103  | 85-115 | 1.41 | 20 |  |
| Silicon   | 4.29 | 0.500 | mg/L | 4.00 |  | 107  | 85-115 | 1.61 | 20 |  |
| Sodium    | 3.23 | 1.00  | mg/L | 3.24 |  | 99.7 | 85-115 | 1.10 | 20 |  |

#### Batch B251495 - Dissolved ICP

##### Blank (B251495-BLK1)

Prepared & Analyzed: 06/02/25

|      |    |       |      |  |  |  |  |  |  |  |
|------|----|-------|------|--|--|--|--|--|--|--|
| Iron | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
|------|----|-------|------|--|--|--|--|--|--|--|

##### LCS (B251495-BS1)

Prepared & Analyzed: 06/02/25

|      |      |       |      |      |  |     |        |  |  |  |
|------|------|-------|------|------|--|-----|--------|--|--|--|
| Iron | 4.02 | 0.050 | mg/L | 4.00 |  | 100 | 85-115 |  |  |  |
|------|------|-------|------|------|--|-----|--------|--|--|--|

##### LCS Dup (B251495-BSD1)

Prepared & Analyzed: 06/02/25

|      |      |       |      |      |  |      |        |      |    |  |
|------|------|-------|------|------|--|------|--------|------|----|--|
| Iron | 3.94 | 0.050 | mg/L | 4.00 |  | 98.5 | 85-115 | 1.92 | 20 |  |
|------|------|-------|------|------|--|------|--------|------|----|--|

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:36

### Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251291 - Dissolved ICPMS

##### Blank (B251291-BLK1)

Prepared: 05/15/25 Analyzed: 05/16/25

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0010 | mg/L |
| Cadmium    | ND | 0.0005 | mg/L |
| Copper     | ND | 0.0010 | mg/L |
| Lead       | ND | 0.0005 | mg/L |
| Molybdenum | ND | 0.0005 | mg/L |
| Selenium   | ND | 0.0010 | mg/L |
| Uranium    | ND | 0.0005 | mg/L |
| Zinc       | ND | 0.0020 | mg/L |

##### LCS (B251291-BS1)

Prepared: 05/15/25 Analyzed: 05/16/25

|            |        |        |      |        |      |        |
|------------|--------|--------|------|--------|------|--------|
| Arsenic    | 0.0498 | 0.0010 | mg/L | 0.0500 | 99.5 | 85-115 |
| Cadmium    | 0.0491 | 0.0005 | mg/L | 0.0500 | 98.2 | 85-115 |
| Copper     | 0.0516 | 0.0010 | mg/L | 0.0500 | 103  | 85-115 |
| Lead       | 0.0509 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |
| Molybdenum | 0.0496 | 0.0005 | mg/L | 0.0500 | 99.3 | 85-115 |
| Selenium   | 0.245  | 0.0010 | mg/L | 0.250  | 98.2 | 85-115 |
| Uranium    | 0.0514 | 0.0005 | mg/L | 0.0500 | 103  | 85-115 |
| Zinc       | 0.0525 | 0.0020 | mg/L | 0.0500 | 105  | 85-115 |

##### LCS Dup (B251291-BSD1)

Prepared: 05/15/25 Analyzed: 05/16/25

|            |        |        |      |        |      |        |       |    |
|------------|--------|--------|------|--------|------|--------|-------|----|
| Arsenic    | 0.0503 | 0.0010 | mg/L | 0.0500 | 101  | 85-115 | 1.02  | 20 |
| Cadmium    | 0.0499 | 0.0005 | mg/L | 0.0500 | 99.7 | 85-115 | 1.51  | 20 |
| Copper     | 0.0513 | 0.0010 | mg/L | 0.0500 | 103  | 85-115 | 0.487 | 20 |
| Lead       | 0.0504 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 1.04  | 20 |
| Molybdenum | 0.0498 | 0.0005 | mg/L | 0.0500 | 99.5 | 85-115 | 0.252 | 20 |
| Selenium   | 0.250  | 0.0010 | mg/L | 0.250  | 99.8 | 85-115 | 1.65  | 20 |
| Uranium    | 0.0513 | 0.0005 | mg/L | 0.0500 | 103  | 85-115 | 0.201 | 20 |
| Zinc       | 0.0529 | 0.0020 | mg/L | 0.0500 | 106  | 85-115 | 0.753 | 20 |

#### Batch B251496 - Dissolved ICPMS

##### Blank (B251496-BLK1)

Prepared & Analyzed: 06/02/25

|           |    |        |      |
|-----------|----|--------|------|
| Manganese | ND | 0.0005 | mg/L |
|-----------|----|--------|------|

##### LCS (B251496-BS1)

Prepared & Analyzed: 06/02/25

|           |        |        |      |        |     |        |
|-----------|--------|--------|------|--------|-----|--------|
| Manganese | 0.0500 | 0.0005 | mg/L | 0.0500 | 100 | 85-115 |
|-----------|--------|--------|------|--------|-----|--------|

##### LCS Dup (B251496-BSD1)

Prepared & Analyzed: 06/02/25

|           |        |        |      |        |     |        |      |    |
|-----------|--------|--------|------|--------|-----|--------|------|----|
| Manganese | 0.0506 | 0.0005 | mg/L | 0.0500 | 101 | 85-115 | 1.23 | 20 |
|-----------|--------|--------|------|--------|-----|--------|------|----|

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:36

### Dissolved Mercury by CVAFS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251333 - EPA 245.7

##### Blank (B251333-BLK1)

Prepared: 05/19/25 Analyzed: 05/21/25

|         |    |     |      |  |  |  |  |  |  |  |
|---------|----|-----|------|--|--|--|--|--|--|--|
| Mercury | ND | 100 | ng/L |  |  |  |  |  |  |  |
|---------|----|-----|------|--|--|--|--|--|--|--|

##### LCS (B251333-BS1)

Prepared: 05/19/25 Analyzed: 05/21/25

|         |     |     |      |      |  |      |        |  |  |  |
|---------|-----|-----|------|------|--|------|--------|--|--|--|
| Mercury | 884 | 100 | ng/L | 1000 |  | 88.4 | 76-113 |  |  |  |
|---------|-----|-----|------|------|--|------|--------|--|--|--|

##### LCS Dup (B251333-BSD1)

Prepared: 05/19/25 Analyzed: 05/21/25

|         |     |     |      |      |  |      |        |      |    |  |
|---------|-----|-----|------|------|--|------|--------|------|----|--|
| Mercury | 837 | 100 | ng/L | 1000 |  | 83.7 | 76-113 | 5.53 | 20 |  |
|---------|-----|-----|------|------|--|------|--------|------|----|--|

### Notes and Definitions

Q6 Dissolved sample was not filtered within 48 hours of collection.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis  
\*Results reported on as received basis unless designated as dry.

RPD Relative Percent Difference

LCS Laboratory Control Sample (Blank Spike)

RL Report Limit

MDL Method Detection Limit

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:36

### Qualifier Summary

| <u>LabNumber</u> | <u>Analysis</u>              | <u>Analyte</u> | <u>Qualifier</u> | <u>TextBody</u>                                                  |
|------------------|------------------------------|----------------|------------------|------------------------------------------------------------------|
| 2505141-01       | Iron Dissolved by ICP        | Iron           | Q6               | Dissolved sample was not filtered within 48 hours of collection. |
| 2505141-01       | Manganese Dissolved by ICPMS | Manganese      | Q6               | Dissolved sample was not filtered within 48 hours of collection. |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





Date/Initials of person  
examining contents: 5/12/25  
CDWLabeled by Initials: \_\_\_\_\_  
(If different than above)

## SAMPLE CONDITION RECEIPT FORM

Client Name: GCC EnergyWork Order # 2505-141Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ OtherCustody Seals on Box/Cooler Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: \_\_\_\_\_Thermometer Used: 82 Samples on ice, cooling process has begun: ☒ Yes ☐ NoType of Ice: ☒ Wet ☐ Blue ☐ None Cooler Temp: Observed Temp: 11.8 °C Correction Factor: 1.2 °C Final Temp: 12.0 °C  
\* Temp should be above freezing 6°CCompliance: ☐ Yes ☒ No

|                                                                                                                  |                                                                                                  |                  |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------|
| Chain of Custody Filled Out:                                                                                     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 1.               |
| COC Signed when Relinquished and Received:                                                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 2.               |
| Sampler Name and Signature on COC:<br>*Required for compliance                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 3.               |
| Samples arrived within hold time:                                                                                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 4.               |
| Correct Containers Used & Intact:                                                                                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5.               |
| Short Hold Time Analysis (<72hr):                                                                                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 6. <u>PH</u>     |
| Rush Turn Around Time Requested:                                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 7.               |
| Sufficient Volume:                                                                                               | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 8.               |
| pH's acceptable upon receipt, where applicable:<br>*Not including metals bottles                                 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9.               |
| Dissolved Testing Needed:<br>Field Filtered: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 10. <u>D.T.S</u> |
| Sample Labels match COC:<br>-Includes Date/Time/ID                                                               | <input type="checkbox"/> Yes <input type="checkbox"/> No                                         | 11.              |
| Matrix: <u>WT</u> <u>SL</u> <u>OT</u>                                                                            |                                                                                                  |                  |
| Trip Blank Present:                                                                                              | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 12.              |
| Trip Blank Custody Seals Present:                                                                                | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |                  |
| VOA's meet headspace requirement (<6mm bubbles)                                                                  | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |                  |
| Non-Conformance(s):                                                                                              | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 13.              |

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
jeremy.allen@greenanalytical.com

23 May 2025

Michael Dickson  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: [none]

Enclosed are the results of analyses for samples received by the laboratory on 05/12/25 16:45. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, reading 'Jeremy D. Allen', is displayed on a light blue rectangular background.

Report Station For Jeremy D Allen  
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101



# Table of Contents

|                                |    |
|--------------------------------|----|
| Samples in Report              | 3  |
| Sample Results                 | 4  |
| 2505141-01: Seep-3             | 4  |
| Quality Assurance Results      | 6  |
| Notes and Definitions          | 14 |
| Qualifier Summary              | 15 |
| Chain of Custody & Attachments | 16 |



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:32

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| Seep-3    | 2505141-01    | Water  | 05/12/25 10:56 | 05/12/25 16:45 |       |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:32

### Seep-3

**2505141-01 (Ground Water)**

**Sampled Date: 05/12/25 10:56**

**Sampled By: Brandon Waddell**

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

#### General Chemistry

|                                                |        |       |       |           |   |                |                       |  |     |
|------------------------------------------------|--------|-------|-------|-----------|---|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 590    | 10.0  | 5.55  | mg/L      | 5 | 05/19/25 13:45 | 2320 B                |  | AWG |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 5 | 05/19/25 13:45 | 2320 B                |  | AWG |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 5 | 05/19/25 13:45 | 2320 B                |  | AWG |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 590    | 10.0  | 5.55  | mg/L      | 5 | 05/19/25 13:45 | 2320 B                |  | AWG |
| Cation/Anion Balance                           | 6.60   | -100  | -100  | %         | 1 | 05/20/25 14:24 | Calculation           |  | JDA |
| Chloride*                                      | 6.62   | 5.00  | 2.49  | mg/L      | 5 | 05/16/25 20:22 | EPA 300.0             |  | AWG |
| Fluoride*                                      | 0.545  | 0.500 | 0.168 | mg/L      | 5 | 05/16/25 20:22 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007 | mg/L as N | 1 | 05/20/25 13:35 | EPA 353.2             |  | HIC |
| pH*                                            | 7.37   |       |       | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 20.1   |       |       | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| SAR                                            | 1.26   |       |       | No Unit   | 1 | 05/14/25 15:29 | Calculation           |  | AWG |
| Sulfate*                                       | 460    | 5.00  | 2.81  | mg/L      | 5 | 05/16/25 20:22 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 1200   | 10.0  |       | mg/L      | 1 | 05/14/25 16:54 | EPA 160.1/SM<br>2540C |  | HIC |
| Total Organic Carbon*                          | 14.7   | 0.500 | 0.220 | mg/L      | 1 | 05/21/25 15:31 | 5310C                 |  | AES |

#### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178 | mg/L | 5 | 05/14/25 15:29 | EPA 200.7   |  | AWG |
| Calcium*                      | 167    | 0.500 | 0.362 | mg/L | 5 | 05/14/25 15:29 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 934    | 3.31  | 2.54  | mg/L | 5 | 05/14/25 15:29 | 2340 B      |  | AWG |
| Iron*                         | 10.1   | 0.250 | 0.173 | mg/L | 5 | 05/14/25 15:29 | EPA 200.7   |  | AWG |
| Magnesium*                    | 126    | 0.500 | 0.397 | mg/L | 5 | 05/14/25 15:29 | EPA 200.7   |  | AWG |
| Potassium*                    | 5.62   | 5.00  | 0.906 | mg/L | 5 | 05/14/25 15:29 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 18.7   | 5.35  | 0.104 | mg/L | 5 | 05/14/25 15:29 | Calculation |  | AWG |
| Silicon                       | 8.74   | 2.50  | 0.049 | mg/L | 5 | 05/14/25 15:29 | EPA 200.7   |  | AWG |
| Sodium*                       | 88.9   | 5.00  | 3.78  | mg/L | 5 | 05/14/25 15:29 | EPA 200.7   |  | AWG |

#### Dissolved Metals by ICPMS

|            |         |        |         |      |    |                |           |  |     |
|------------|---------|--------|---------|------|----|----------------|-----------|--|-----|
| Arsenic*   | 0.0027  | 0.0020 | 0.0008  | mg/L | 2  | 05/16/25 17:52 | EPA 200.8 |  | AES |
| Cadmium*   | <0.0010 | 0.0010 | 0.00009 | mg/L | 2  | 05/16/25 17:52 | EPA 200.8 |  | AES |
| Copper*    | 0.0117  | 0.0020 | 0.0015  | mg/L | 2  | 05/16/25 17:52 | EPA 200.8 |  | AES |
| Lead*      | <0.0010 | 0.0010 | 0.0002  | mg/L | 2  | 05/16/25 17:52 | EPA 200.8 |  | AES |
| Manganese* | 4.42    | 0.0100 | 0.0037  | mg/L | 20 | 05/20/25 11:17 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:32

### Seep-3

**2505141-01 (Ground Water)**

**Sampled Date: 05/12/25 10:56**

**Sampled By: Brandon Waddell**

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

#### Dissolved Metals by ICPMS

|                    |               |        |         |      |   |                |           |  |     |
|--------------------|---------------|--------|---------|------|---|----------------|-----------|--|-----|
| <b>Molybdenum*</b> | <b>0.0010</b> | 0.0010 | 0.00009 | mg/L | 2 | 05/16/25 17:52 | EPA 200.8 |  | AES |
| <b>Selenium*</b>   | <0.0020       | 0.0020 | 0.0007  | mg/L | 2 | 05/16/25 17:52 | EPA 200.8 |  | AES |
| <b>Uranium</b>     | <0.0010       | 0.0010 | 0.00005 | mg/L | 2 | 05/16/25 17:52 | EPA 200.8 |  | AES |
| <b>Zinc*</b>       | <b>0.0215</b> | 0.0040 | 0.0010  | mg/L | 2 | 05/16/25 17:52 | EPA 200.8 |  | AES |

#### Dissolved Mercury by CVAFS

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/21/25 14:23 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:32

### General Chemistry - Quality Control

| Analyte                                        | Result | Reporting Limit | Units     | Spike Level                                              | Source Result | %REC | %REC Limits | RPD    | RPD Limit | Notes |
|------------------------------------------------|--------|-----------------|-----------|----------------------------------------------------------|---------------|------|-------------|--------|-----------|-------|
| <b>Batch B251251 - Dissolved ICP</b>           |        |                 |           |                                                          |               |      |             |        |           |       |
| <b>Blank (B251251-BLK1)</b>                    |        |                 |           | Prepared: 05/13/25 Analyzed: 05/14/25                    |               |      |             |        |           |       |
| SAR                                            | 0.00   |                 | No Unit   |                                                          |               |      |             |        |           |       |
| <b>Batch B251265 - General Prep - Wet Chem</b> |        |                 |           |                                                          |               |      |             |        |           |       |
| <b>Blank (B251265-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 05/14/25                            |               |      |             |        |           |       |
| Total Dissolved Solids                         | ND     | 10.0            | mg/L      |                                                          |               |      |             |        |           |       |
| <b>Duplicate (B251265-DUP1)</b>                |        |                 |           | Source: 2505110-01 Prepared & Analyzed: 05/14/25         |               |      |             |        |           |       |
| Total Dissolved Solids                         | 2680   | 10.0            | mg/L      |                                                          | 2670          |      |             | 0.189  | 20        |       |
| <b>Reference (B251265-SRM1)</b>                |        |                 |           | Prepared & Analyzed: 05/14/25                            |               |      |             |        |           |       |
| Total Dissolved Solids                         | 365    | 10.0            | mg/L      | 400                                                      |               | 91.2 | 85-115      |        |           |       |
| <b>Batch B251285 - Lachat</b>                  |        |                 |           |                                                          |               |      |             |        |           |       |
| <b>Blank (B251285-BLK1)</b>                    |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | ND     | 0.020           | mg/L as N |                                                          |               |      |             |        |           |       |
| <b>LCS (B251285-BS1)</b>                       |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | 1.01   | 0.020           | mg/L as N | 1.00                                                     |               | 101  | 90-110      |        |           |       |
| <b>LCS Dup (B251285-BSD1)</b>                  |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | 1.01   | 0.020           | mg/L as N | 1.00                                                     |               | 101  | 90-110      | 0.0995 | 20        |       |
| <b>Matrix Spike (B251285-MS1)</b>              |        |                 |           | Source: 2505127-01 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | 1.00   | 0.020           | mg/L as N | 1.00                                                     | ND            | 100  | 90-110      |        |           |       |
| <b>Matrix Spike (B251285-MS2)</b>              |        |                 |           | Source: 2505132-01 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | 1.20   | 0.020           | mg/L as N | 1.00                                                     | 0.223         | 97.9 | 90-110      |        |           |       |
| <b>Matrix Spike Dup (B251285-MSD1)</b>         |        |                 |           | Source: 2505127-01 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | 1.01   | 0.020           | mg/L as N | 1.00                                                     | ND            | 101  | 90-110      | 0.695  | 20        |       |
| <b>Matrix Spike Dup (B251285-MSD2)</b>         |        |                 |           | Source: 2505132-01 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | 1.20   | 0.020           | mg/L as N | 1.00                                                     | 0.223         | 97.5 | 90-110      | 0.333  | 20        |       |
| <b>Batch B251288 - General Prep - Wet Chem</b> |        |                 |           |                                                          |               |      |             |        |           |       |
| <b>Duplicate (B251288-DUP1)</b>                |        |                 |           | Source: 2505148-01 Prepared & Analyzed: 05/14/25         |               |      |             |        |           |       |
| pH                                             | 7.70   |                 | pH Units  |                                                          | 7.66          |      |             | 0.521  | 20        |       |
| pH Temperature, degrees C                      | 20.6   |                 | pH Units  |                                                          | 21.1          |      |             | 2.40   | 200       |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:32

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251288 - General Prep - Wet Chem (Continued)

##### Duplicate (B251288-DUP2) Source: 2505157-01 Prepared & Analyzed: 05/14/25

|                           |      |  |          |  |      |  |  |      |     |  |
|---------------------------|------|--|----------|--|------|--|--|------|-----|--|
| pH                        | 7.52 |  | pH Units |  | 7.52 |  |  | 0.00 | 20  |  |
| pH Temperature, degrees C | 20.4 |  | pH Units |  | 20.4 |  |  | 0.00 | 200 |  |

##### Reference (B251288-SRM1) Prepared & Analyzed: 05/14/25

|    |      |  |          |      |  |      |              |  |  |  |
|----|------|--|----------|------|--|------|--------------|--|--|--|
| pH | 6.94 |  | pH Units | 7.00 |  | 99.1 | 98.57-101.42 |  |  |  |
|----|------|--|----------|------|--|------|--------------|--|--|--|

#### Batch B251295 - IC- Ion Chromatograph

##### Blank (B251295-BLK1) Prepared & Analyzed: 05/16/25

|          |    |       |      |  |  |  |  |  |  |  |
|----------|----|-------|------|--|--|--|--|--|--|--|
| Chloride | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Fluoride | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Sulfate  | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251295-BS1) Prepared & Analyzed: 05/16/25

|          |      |       |      |      |  |      |        |  |  |  |
|----------|------|-------|------|------|--|------|--------|--|--|--|
| Chloride | 24.0 | 1.00  | mg/L | 25.0 |  | 96.1 | 90-110 |  |  |  |
| Fluoride | 2.41 | 0.100 | mg/L | 2.50 |  | 96.2 | 90-110 |  |  |  |
| Sulfate  | 23.6 | 1.00  | mg/L | 25.0 |  | 94.3 | 90-110 |  |  |  |

##### LCS Dup (B251295-BSD1) Prepared & Analyzed: 05/16/25

|          |      |       |      |      |      |        |       |    |  |  |
|----------|------|-------|------|------|------|--------|-------|----|--|--|
| Chloride | 23.8 | 1.00  | mg/L | 25.0 | 95.3 | 90-110 | 0.852 | 20 |  |  |
| Fluoride | 2.39 | 0.100 | mg/L | 2.50 | 95.5 | 90-110 | 0.793 | 20 |  |  |
| Sulfate  | 23.4 | 1.00  | mg/L | 25.0 | 93.5 | 90-110 | 0.929 | 20 |  |  |

##### Matrix Spike (B251295-MS1) Source: 2505132-01 Prepared & Analyzed: 05/16/25

|          |      |       |      |      |       |      |        |  |  |  |
|----------|------|-------|------|------|-------|------|--------|--|--|--|
| Chloride | 26.4 | 1.00  | mg/L | 25.0 | 3.62  | 91.0 | 85-115 |  |  |  |
| Fluoride | 2.69 | 0.100 | mg/L | 2.50 | 0.425 | 90.6 | 85-115 |  |  |  |
| Sulfate  | 67.3 | 1.00  | mg/L | 25.0 | 44.0  | 93.0 | 85-115 |  |  |  |

##### Matrix Spike (B251295-MS2) Source: 2505146-01 Prepared & Analyzed: 05/16/25

|          |      |       |      |      |       |      |        |  |  |  |
|----------|------|-------|------|------|-------|------|--------|--|--|--|
| Chloride | 30.5 | 1.00  | mg/L | 25.0 | 7.07  | 93.8 | 85-115 |  |  |  |
| Fluoride | 2.43 | 0.100 | mg/L | 2.50 | 0.145 | 91.4 | 85-115 |  |  |  |
| Sulfate  | 41.0 | 1.00  | mg/L | 25.0 | 17.7  | 93.4 | 85-115 |  |  |  |

##### Matrix Spike Dup (B251295-MSD1) Source: 2505132-01 Prepared & Analyzed: 05/16/25

|          |      |       |      |      |       |      |        |       |    |  |
|----------|------|-------|------|------|-------|------|--------|-------|----|--|
| Chloride | 26.8 | 1.00  | mg/L | 25.0 | 3.62  | 92.6 | 85-115 | 1.49  | 20 |  |
| Fluoride | 2.73 | 0.100 | mg/L | 2.50 | 0.425 | 92.2 | 85-115 | 1.44  | 20 |  |
| Sulfate  | 67.6 | 1.00  | mg/L | 25.0 | 44.0  | 94.3 | 85-115 | 0.481 | 20 |  |

##### Matrix Spike Dup (B251295-MSD2) Source: 2505146-01 Prepared & Analyzed: 05/16/25

|          |      |       |      |      |       |      |        |      |    |  |
|----------|------|-------|------|------|-------|------|--------|------|----|--|
| Chloride | 31.1 | 1.00  | mg/L | 25.0 | 7.07  | 96.0 | 85-115 | 1.79 | 20 |  |
| Fluoride | 2.48 | 0.100 | mg/L | 2.50 | 0.145 | 93.6 | 85-115 | 2.16 | 20 |  |
| Sulfate  | 41.6 | 1.00  | mg/L | 25.0 | 17.7  | 95.8 | 85-115 | 1.43 | 20 |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:32

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251336 - General Prep - Wet Chem

##### Blank (B251336-BLK1)

Prepared & Analyzed: 05/19/25

|                                              |    |      |      |  |  |  |  |  |  |  |
|----------------------------------------------|----|------|------|--|--|--|--|--|--|--|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | ND | 10.0 | mg/L |  |  |  |  |  |  |  |

##### LCS (B251336-BS1)

Prepared & Analyzed: 05/19/25

|                                        |      |      |      |     |  |      |        |  |  |  |
|----------------------------------------|------|------|------|-----|--|------|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 98.0 | 10.0 | mg/L | 100 |  | 98.0 | 85-115 |  |  |  |
|----------------------------------------|------|------|------|-----|--|------|--------|--|--|--|

##### LCS Dup (B251336-BSD1)

Prepared & Analyzed: 05/19/25

|                                        |     |      |      |     |  |     |        |      |    |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|------|----|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 101 | 10.0 | mg/L | 100 |  | 101 | 85-115 | 3.02 | 20 |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|------|----|--|

##### Matrix Spike (B251336-MS1)

Source: 2505109-01 Prepared & Analyzed: 05/19/25

|                                        |     |      |      |     |     |     |        |  |  |    |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|--|--|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 760 | 10.0 | mg/L | 100 | 270 | 490 | 80-120 |  |  | M3 |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|--|--|----|

##### Matrix Spike (B251336-MS2)

Source: 2505110-01 Prepared & Analyzed: 05/19/25

|                                        |     |      |      |     |     |     |        |  |  |    |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|--|--|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 800 | 10.0 | mg/L | 100 | 360 | 440 | 80-120 |  |  | M3 |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|--|--|----|

##### Matrix Spike Dup (B251336-MSD1)

Source: 2505109-01 Prepared & Analyzed: 05/19/25

|                                        |     |      |      |     |     |     |        |      |    |    |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|------|----|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 785 | 10.0 | mg/L | 100 | 270 | 515 | 80-120 | 3.24 | 20 | M3 |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|------|----|----|

##### Matrix Spike Dup (B251336-MSD2)

Source: 2505110-01 Prepared & Analyzed: 05/19/25

|                                        |     |      |      |     |     |     |        |      |    |    |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|------|----|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 835 | 10.0 | mg/L | 100 | 360 | 475 | 80-120 | 4.28 | 20 | M3 |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|------|----|----|

##### Reference (B251336-SRM1)

Prepared & Analyzed: 05/19/25

|                                        |     |      |      |     |  |     |        |  |  |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 101 | 10.0 | mg/L | 100 |  | 101 | 85-115 |  |  |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|

#### Batch B251365 - General Prep - Wet Chem

##### Blank (B251365-BLK1)

Prepared & Analyzed: 05/21/25

|                      |    |       |      |  |  |  |  |  |  |  |
|----------------------|----|-------|------|--|--|--|--|--|--|--|
| Total Organic Carbon | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
|----------------------|----|-------|------|--|--|--|--|--|--|--|

##### LCS (B251365-BS1)

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |  |      |        |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|
| Total Organic Carbon | 9.78 | 0.500 | mg/L | 10.0 |  | 97.8 | 85-115 |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|

##### LCS Dup (B251365-BSD1)

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |  |      |        |       |    |  |
|----------------------|------|-------|------|------|--|------|--------|-------|----|--|
| Total Organic Carbon | 9.81 | 0.500 | mg/L | 10.0 |  | 98.1 | 85-115 | 0.306 | 20 |  |
|----------------------|------|-------|------|------|--|------|--------|-------|----|--|

##### Matrix Spike (B251365-MS1)

Source: 2505178-02 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 12.2 | 0.500 | mg/L | 10.0 | 3.06 | 91.6 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

##### Matrix Spike (B251365-MS2)

Source: 2505190-01 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 10.6 | 0.500 | mg/L | 10.0 | 1.18 | 94.1 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

##### Matrix Spike Dup (B251365-MSD1)

Source: 2505178-02 Prepared & Analyzed: 05/21/25

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:32

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251365 - General Prep - Wet Chem (Continued)

##### Matrix Spike Dup (B251365-MSD1) (Continued) Source: 2505178-02 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |      |    |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|
| Total Organic Carbon | 12.6 | 0.500 | mg/L | 10.0 | 3.06 | 95.2 | 80-120 | 2.90 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|

##### Matrix Spike Dup (B251365-MSD2) Source: 2505190-01 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |      |    |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|
| Total Organic Carbon | 10.8 | 0.500 | mg/L | 10.0 | 1.18 | 96.1 | 80-120 | 1.87 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:32

### Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251251 - Dissolved ICP

##### Blank (B251251-BLK1)

Prepared: 05/13/25 Analyzed: 05/14/25

|           |    |       |      |  |  |  |  |  |  |  |
|-----------|----|-------|------|--|--|--|--|--|--|--|
| Aluminum  | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Calcium   | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Iron      | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Magnesium | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Potassium | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Silicon   | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
| Sodium    | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251251-BS1)

Prepared: 05/13/25 Analyzed: 05/14/25

|           |      |       |      |      |  |      |        |  |  |  |
|-----------|------|-------|------|------|--|------|--------|--|--|--|
| Aluminum  | 3.87 | 0.050 | mg/L | 4.00 |  | 96.7 | 85-115 |  |  |  |
| Calcium   | 3.95 | 0.100 | mg/L | 4.00 |  | 98.7 | 85-115 |  |  |  |
| Iron      | 3.93 | 0.050 | mg/L | 4.00 |  | 98.2 | 85-115 |  |  |  |
| Magnesium | 20.6 | 0.100 | mg/L | 20.0 |  | 103  | 85-115 |  |  |  |
| Potassium | 8.10 | 1.00  | mg/L | 8.00 |  | 101  | 85-115 |  |  |  |
| Silicon   | 4.22 | 0.500 | mg/L | 4.00 |  | 106  | 85-115 |  |  |  |
| Sodium    | 3.19 | 1.00  | mg/L | 3.24 |  | 98.6 | 85-115 |  |  |  |

##### LCS Dup (B251251-BSD1)

Prepared: 05/13/25 Analyzed: 05/14/25

|           |      |       |      |      |  |      |        |      |    |  |
|-----------|------|-------|------|------|--|------|--------|------|----|--|
| Aluminum  | 3.92 | 0.050 | mg/L | 4.00 |  | 98.0 | 85-115 | 1.32 | 20 |  |
| Calcium   | 4.02 | 0.100 | mg/L | 4.00 |  | 100  | 85-115 | 1.72 | 20 |  |
| Iron      | 4.01 | 0.050 | mg/L | 4.00 |  | 100  | 85-115 | 2.14 | 20 |  |
| Magnesium | 20.9 | 0.100 | mg/L | 20.0 |  | 105  | 85-115 | 1.68 | 20 |  |
| Potassium | 8.21 | 1.00  | mg/L | 8.00 |  | 103  | 85-115 | 1.41 | 20 |  |
| Silicon   | 4.29 | 0.500 | mg/L | 4.00 |  | 107  | 85-115 | 1.61 | 20 |  |
| Sodium    | 3.23 | 1.00  | mg/L | 3.24 |  | 99.7 | 85-115 | 1.10 | 20 |  |

##### Matrix Spike (B251251-MS1)

Source: 2505092-01

Prepared: 05/13/25 Analyzed: 05/14/25

|           |      |       |      |      |       |     |        |  |  |    |
|-----------|------|-------|------|------|-------|-----|--------|--|--|----|
| Aluminum  | 4.26 | 0.050 | mg/L | 4.00 | ND    | 107 | 70-130 |  |  |    |
| Calcium   | 103  | 0.100 | mg/L | 4.00 | 103   | NR  | 70-130 |  |  | M3 |
| Iron      | 4.42 | 0.050 | mg/L | 4.00 | ND    | 110 | 70-130 |  |  |    |
| Magnesium | 61.0 | 0.100 | mg/L | 20.0 | 39.5  | 107 | 70-130 |  |  |    |
| Potassium | 17.8 | 1.00  | mg/L | 8.00 | 8.85  | 111 | 70-130 |  |  |    |
| Silicon   | 4.76 | 0.500 | mg/L | 4.00 | 0.221 | 114 | 70-130 |  |  |    |
| Sodium    | 139  | 1.00  | mg/L | 3.24 | 141   | NR  | 70-130 |  |  | M3 |

##### Matrix Spike (B251251-MS2)

Source: 2505133-01

Prepared: 05/13/25 Analyzed: 05/14/25

|           |      |       |      |      |      |      |        |  |  |    |
|-----------|------|-------|------|------|------|------|--------|--|--|----|
| Aluminum  | 4.07 | 0.050 | mg/L | 4.00 | ND   | 102  | 70-130 |  |  |    |
| Calcium   | 89.8 | 0.100 | mg/L | 4.00 | 90.0 | NR   | 70-130 |  |  | M3 |
| Iron      | 4.17 | 0.050 | mg/L | 4.00 | ND   | 104  | 70-130 |  |  |    |
| Magnesium | 37.9 | 0.100 | mg/L | 20.0 | 17.1 | 104  | 70-130 |  |  |    |
| Potassium | 25.4 | 1.00  | mg/L | 8.00 | 17.4 | 99.9 | 70-130 |  |  |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:32

**Dissolved Metals by ICP - Quality Control  
(Continued)**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch B251251 - Dissolved ICP (Continued)**

**Matrix Spike (B251251-MS2) (Continued)**

Source: 2505133-01 Prepared: 05/13/25 Analyzed: 05/14/25

|         |      |       |      |      |      |     |        |  |  |    |
|---------|------|-------|------|------|------|-----|--------|--|--|----|
| Silicon | 9.00 | 0.500 | mg/L | 4.00 | 4.86 | 104 | 70-130 |  |  |    |
| Sodium  | 110  | 1.00  | mg/L | 3.24 | 111  | NR  | 70-130 |  |  | M3 |

**Matrix Spike Dup (B251251-MSD1)**

Source: 2505092-01 Prepared: 05/13/25 Analyzed: 05/14/25

|           |      |       |      |      |       |      |        |       |    |    |
|-----------|------|-------|------|------|-------|------|--------|-------|----|----|
| Aluminum  | 4.13 | 0.250 | mg/L | 4.00 | ND    | 103  | 70-130 | 3.03  | 20 |    |
| Calcium   | 104  | 0.500 | mg/L | 4.00 | 103   | 25.6 | 70-130 | 1.20  | 20 | M3 |
| Iron      | 4.43 | 0.250 | mg/L | 4.00 | ND    | 111  | 70-130 | 0.321 | 20 |    |
| Magnesium | 60.4 | 0.500 | mg/L | 20.0 | 39.5  | 104  | 70-130 | 0.998 | 20 |    |
| Potassium | 17.0 | 5.00  | mg/L | 8.00 | 8.85  | 102  | 70-130 | 4.31  | 20 |    |
| Silicon   | 4.66 | 2.50  | mg/L | 4.00 | 0.221 | 111  | 70-130 | 2.24  | 20 |    |
| Sodium    | 139  | 5.00  | mg/L | 3.24 | 141   | NR   | 70-130 | 0.153 | 20 | M3 |

**Matrix Spike Dup (B251251-MSD2)**

Source: 2505133-01 Prepared: 05/13/25 Analyzed: 05/14/25

|           |      |       |      |      |      |      |        |       |    |    |
|-----------|------|-------|------|------|------|------|--------|-------|----|----|
| Aluminum  | 4.04 | 0.250 | mg/L | 4.00 | ND   | 101  | 70-130 | 0.751 | 20 |    |
| Calcium   | 88.0 | 0.500 | mg/L | 4.00 | 90.0 | NR   | 70-130 | 2.05  | 20 | M3 |
| Iron      | 4.14 | 0.250 | mg/L | 4.00 | ND   | 103  | 70-130 | 0.835 | 20 |    |
| Magnesium | 37.4 | 0.500 | mg/L | 20.0 | 17.1 | 101  | 70-130 | 1.40  | 20 |    |
| Potassium | 24.4 | 5.00  | mg/L | 8.00 | 17.4 | 87.5 | 70-130 | 3.99  | 20 |    |
| Silicon   | 8.78 | 2.50  | mg/L | 4.00 | 4.86 | 98.0 | 70-130 | 2.46  | 20 |    |
| Sodium    | 108  | 5.00  | mg/L | 3.24 | 111  | NR   | 70-130 | 2.05  | 20 | M3 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:32

### Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251291 - Dissolved ICPMS

##### Blank (B251291-BLK1)

Prepared: 05/15/25 Analyzed: 05/16/25

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0010 | mg/L |
| Cadmium    | ND | 0.0005 | mg/L |
| Copper     | ND | 0.0010 | mg/L |
| Lead       | ND | 0.0005 | mg/L |
| Manganese  | ND | 0.0005 | mg/L |
| Molybdenum | ND | 0.0005 | mg/L |
| Selenium   | ND | 0.0010 | mg/L |
| Uranium    | ND | 0.0005 | mg/L |
| Zinc       | ND | 0.0020 | mg/L |

##### LCS (B251291-BS1)

Prepared: 05/15/25 Analyzed: 05/16/25

|            |        |        |      |        |      |        |
|------------|--------|--------|------|--------|------|--------|
| Arsenic    | 0.0498 | 0.0010 | mg/L | 0.0500 | 99.5 | 85-115 |
| Cadmium    | 0.0491 | 0.0005 | mg/L | 0.0500 | 98.2 | 85-115 |
| Copper     | 0.0516 | 0.0010 | mg/L | 0.0500 | 103  | 85-115 |
| Lead       | 0.0509 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |
| Manganese  | 0.0512 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |
| Molybdenum | 0.0496 | 0.0005 | mg/L | 0.0500 | 99.3 | 85-115 |
| Selenium   | 0.245  | 0.0010 | mg/L | 0.250  | 98.2 | 85-115 |
| Uranium    | 0.0514 | 0.0005 | mg/L | 0.0500 | 103  | 85-115 |
| Zinc       | 0.0525 | 0.0020 | mg/L | 0.0500 | 105  | 85-115 |

##### LCS Dup (B251291-BSD1)

Prepared: 05/15/25 Analyzed: 05/16/25

|            |        |        |      |        |      |        |       |    |
|------------|--------|--------|------|--------|------|--------|-------|----|
| Arsenic    | 0.0503 | 0.0010 | mg/L | 0.0500 | 101  | 85-115 | 1.02  | 20 |
| Cadmium    | 0.0499 | 0.0005 | mg/L | 0.0500 | 99.7 | 85-115 | 1.51  | 20 |
| Copper     | 0.0513 | 0.0010 | mg/L | 0.0500 | 103  | 85-115 | 0.487 | 20 |
| Lead       | 0.0504 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 1.04  | 20 |
| Manganese  | 0.0521 | 0.0005 | mg/L | 0.0500 | 104  | 85-115 | 1.81  | 20 |
| Molybdenum | 0.0498 | 0.0005 | mg/L | 0.0500 | 99.5 | 85-115 | 0.252 | 20 |
| Selenium   | 0.250  | 0.0010 | mg/L | 0.250  | 99.8 | 85-115 | 1.65  | 20 |
| Uranium    | 0.0513 | 0.0005 | mg/L | 0.0500 | 103  | 85-115 | 0.201 | 20 |
| Zinc       | 0.0529 | 0.0020 | mg/L | 0.0500 | 106  | 85-115 | 0.753 | 20 |

##### Matrix Spike (B251291-MS1)

Source: 2505101-05

Prepared: 05/15/25 Analyzed: 05/16/25

|            |        |        |      |        |        |      |        |
|------------|--------|--------|------|--------|--------|------|--------|
| Arsenic    | 0.0544 | 0.0010 | mg/L | 0.0500 | 0.0015 | 106  | 70-130 |
| Cadmium    | 0.0467 | 0.0005 | mg/L | 0.0500 | ND     | 93.3 | 70-130 |
| Copper     | 0.0476 | 0.0010 | mg/L | 0.0500 | 0.0062 | 82.8 | 70-130 |
| Lead       | 0.0473 | 0.0005 | mg/L | 0.0500 | ND     | 94.6 | 70-130 |
| Manganese  | 0.0950 | 0.0005 | mg/L | 0.0500 | 0.0537 | 82.6 | 70-130 |
| Molybdenum | 0.0526 | 0.0005 | mg/L | 0.0500 | 0.0015 | 102  | 70-130 |
| Selenium   | 0.261  | 0.0010 | mg/L | 0.250  | 0.0010 | 104  | 70-130 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:32

**Dissolved Metals by ICPMS - Quality Control  
(Continued)**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch B251291 - Dissolved ICPMS (Continued)**

**Matrix Spike (B251291-MS1) (Continued)**

Source: 2505101-05 Prepared: 05/15/25 Analyzed: 05/16/25

|         |        |        |      |        |        |      |        |  |  |  |
|---------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Uranium | 0.0548 | 0.0005 | mg/L | 0.0500 | 0.0011 | 107  | 70-130 |  |  |  |
| Zinc    | 0.0562 | 0.0020 | mg/L | 0.0500 | 0.0146 | 83.2 | 70-130 |  |  |  |

**Matrix Spike Dup (B251291-MSD1)**

Source: 2505101-05 Prepared: 05/15/25 Analyzed: 05/16/25

|            |        |        |      |        |        |      |        |        |    |  |
|------------|--------|--------|------|--------|--------|------|--------|--------|----|--|
| Arsenic    | 0.0547 | 0.0010 | mg/L | 0.0500 | 0.0015 | 106  | 70-130 | 0.602  | 20 |  |
| Cadmium    | 0.0468 | 0.0005 | mg/L | 0.0500 | ND     | 93.6 | 70-130 | 0.284  | 20 |  |
| Copper     | 0.0476 | 0.0010 | mg/L | 0.0500 | 0.0062 | 82.8 | 70-130 | 0.0632 | 20 |  |
| Lead       | 0.0478 | 0.0005 | mg/L | 0.0500 | ND     | 95.6 | 70-130 | 1.06   | 20 |  |
| Manganese  | 0.0952 | 0.0005 | mg/L | 0.0500 | 0.0537 | 83.2 | 70-130 | 0.303  | 20 |  |
| Molybdenum | 0.0531 | 0.0005 | mg/L | 0.0500 | 0.0015 | 103  | 70-130 | 1.07   | 20 |  |
| Selenium   | 0.263  | 0.0010 | mg/L | 0.250  | 0.0010 | 105  | 70-130 | 0.721  | 20 |  |
| Uranium    | 0.0552 | 0.0005 | mg/L | 0.0500 | 0.0011 | 108  | 70-130 | 0.712  | 20 |  |
| Zinc       | 0.0556 | 0.0020 | mg/L | 0.0500 | 0.0146 | 82.1 | 70-130 | 1.00   | 20 |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:32

### Dissolved Mercury by CVAFS - Quality Control

| Analyte                                | Result | Reporting Limit | Units | Spike Level                           | Source Result | %REC                                  | %REC Limits | RPD   | RPD Limit | Notes |
|----------------------------------------|--------|-----------------|-------|---------------------------------------|---------------|---------------------------------------|-------------|-------|-----------|-------|
| <b>Batch B251333 - EPA 245.7</b>       |        |                 |       |                                       |               |                                       |             |       |           |       |
| <b>Blank (B251333-BLK1)</b>            |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25 |               |                                       |             |       |           |       |
| Mercury                                | ND     | 100             | ng/L  |                                       |               |                                       |             |       |           |       |
| <b>LCS (B251333-BS1)</b>               |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25 |               |                                       |             |       |           |       |
| Mercury                                | 884    | 100             | ng/L  | 1000                                  |               | 88.4                                  | 76-113      |       |           |       |
| <b>LCS Dup (B251333-BSD1)</b>          |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25 |               |                                       |             |       |           |       |
| Mercury                                | 837    | 100             | ng/L  | 1000                                  |               | 83.7                                  | 76-113      | 5.53  | 20        |       |
| <b>Matrix Spike (B251333-MS1)</b>      |        |                 |       | <b>Source: 2505141-01</b>             |               | Prepared: 05/19/25 Analyzed: 05/21/25 |             |       |           |       |
| Mercury                                | 920    | 100             | ng/L  | 1000                                  | ND            | 92.0                                  | 63-111      |       |           |       |
| <b>Matrix Spike (B251333-MS2)</b>      |        |                 |       | <b>Source: 2505142-01</b>             |               | Prepared: 05/19/25 Analyzed: 05/21/25 |             |       |           |       |
| Mercury                                | 888    | 100             | ng/L  | 1000                                  | ND            | 88.8                                  | 63-111      |       |           |       |
| <b>Matrix Spike Dup (B251333-MSD1)</b> |        |                 |       | <b>Source: 2505141-01</b>             |               | Prepared: 05/19/25 Analyzed: 05/21/25 |             |       |           |       |
| Mercury                                | 923    | 100             | ng/L  | 1000                                  | ND            | 92.3                                  | 63-111      | 0.335 | 200       |       |
| <b>Matrix Spike Dup (B251333-MSD2)</b> |        |                 |       | <b>Source: 2505142-01</b>             |               | Prepared: 05/19/25 Analyzed: 05/21/25 |             |       |           |       |
| Mercury                                | 810    | 100             | ng/L  | 1000                                  | ND            | 81.0                                  | 63-111      | 9.11  | 200       |       |

### Notes and Definitions

|     |                                                                                                                                                                                 |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M3  | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| DET | Analyte DETECTED                                                                                                                                                                |
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                                            |
| NR  | Not Reported                                                                                                                                                                    |
| dry | Sample results reported on a dry weight basis<br>*Results reported on as received basis unless designated as dry.                                                               |
| RPD | Relative Percent Difference                                                                                                                                                     |
| LCS | Laboratory Control Sample (Blank Spike)                                                                                                                                         |
| RL  | Report Limit                                                                                                                                                                    |
| MDL | Method Detection Limit                                                                                                                                                          |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC S&S Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:32

### Qualifier Summary

| <u>LabNumber</u> | <u>Analysis</u>          | <u>Analyte</u>             | <u>Qualifier</u> | <u>TextBody</u>                                                                                                                                                                 |
|------------------|--------------------------|----------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B251251-MS1      | Calcium Dissolved by ICP | Calcium                    | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251251-MS1      | Sodium Dissolved by ICP  | Sodium                     | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251251-MS2      | Calcium Dissolved by ICP | Calcium                    | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251251-MS2      | Sodium Dissolved by ICP  | Sodium                     | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251251-MSD1     | Calcium Dissolved by ICP | Calcium                    | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251251-MSD1     | Sodium Dissolved by ICP  | Sodium                     | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251251-MSD2     | Calcium Dissolved by ICP | Calcium                    | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251251-MSD2     | Sodium Dissolved by ICP  | Sodium                     | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251336-MS1      | Alkalinity, Total        | Alkalinity, Total as CaCO3 | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251336-MS2      | Alkalinity, Total        | Alkalinity, Total as CaCO3 | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251336-MSD1     | Alkalinity, Total        | Alkalinity, Total as CaCO3 | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251336-MSD2     | Alkalinity, Total        | Alkalinity, Total as CaCO3 | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





Date/Initials of person  
examining contents: S.12/25  
CDWLabeled by Initials: \_\_\_\_\_  
(If different than above)

## SAMPLE CONDITION RECEIPT FORM

Client Name: GCC EnergyWork Order # 2505-141Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ OtherCustody Seals on Box/Cooler Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: \_\_\_\_\_Thermometer Used: 82 Samples on ice, cooling process has begun: ☒ Yes ☐ NoType of Ice: ☒ Wet ☐ Blue ☐ None Cooler Temp: Observed Temp: 11.8 °C Correction Factor: 1.2 °C Final Temp: 12.0 °C  
\* Temp should be above freezing 6°CCompliance: ☐ Yes ☒ No

|                                                                                                                  |                                                                                                  |                  |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------|
| Chain of Custody Filled Out:                                                                                     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 1.               |
| COC Signed when Relinquished and Received:                                                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 2.               |
| Sampler Name and Signature on COC:<br>*Required for compliance                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 3.               |
| Samples arrived within hold time:                                                                                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 4.               |
| Correct Containers Used & Intact:                                                                                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5.               |
| Short Hold Time Analysis (<72hr):                                                                                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 6. <u>PH</u>     |
| Rush Turn Around Time Requested:                                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 7.               |
| Sufficient Volume:                                                                                               | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 8.               |
| pH's acceptable upon receipt, where applicable:<br>*Not including metals bottles                                 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9.               |
| Dissolved Testing Needed:<br>Field Filtered: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 10. <u>D.T.S</u> |
| Sample Labels match COC:<br>-Includes Date/Time/ID<br>Matrix: <u>WT</u> <u>SL</u> <u>OT</u>                      | <input type="checkbox"/> Yes <input type="checkbox"/> No                                         | 11.              |
| Trip Blank Present:                                                                                              | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            | 12.              |
| Trip Blank Custody Seals Present:                                                                                | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            |                  |
| VOA's meet headspace requirement (<6mm bubbles)                                                                  | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            |                  |
| Non-Conformance(s):                                                                                              | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 13.              |

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
jeremy.allen@greenanalytical.com

23 May 2025

Michael Dickson  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: [none]

Enclosed are the results of analyses for samples received by the laboratory on 05/12/25 16:45. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, reading 'Jeremy D. Allen', is displayed on a light blue rectangular background.

Report Station For Jeremy D Allen  
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

# Table of Contents

|                                |    |
|--------------------------------|----|
| Samples in Report              | 3  |
| Sample Results                 | 4  |
| 2505142-01: MW-7-EAA           | 4  |
| Quality Assurance Results      | 6  |
| Notes and Definitions          | 14 |
| Qualifier Summary              | 15 |
| Chain of Custody & Attachments | 16 |



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:33

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| MW-7-EAA  | 2505142-01    | Water  | 05/12/25 11:31 | 05/12/25 16:45 |       |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:33

## MW-7-EAA

**2505142-01 (Ground Water)**

**Sampled Date: 05/12/25 11:31**

**Sampled By: Brandon Waddell**

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

### General Chemistry

|                                                |        |       |       |           |   |                |                       |  |     |
|------------------------------------------------|--------|-------|-------|-----------|---|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 430    | 10.0  | 5.55  | mg/L      | 5 | 05/19/25 13:45 | 2320 B                |  | AWG |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 5 | 05/19/25 13:45 | 2320 B                |  | AWG |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 5 | 05/19/25 13:45 | 2320 B                |  | AWG |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 430    | 10.0  | 5.55  | mg/L      | 5 | 05/19/25 13:45 | 2320 B                |  | AWG |
| Cation/Anion Balance                           | 3.54   | -100  | -100  | %         | 1 | 05/20/25 14:24 | Calculation           |  | JDA |
| Chloride*                                      | 11.3   | 5.00  | 2.49  | mg/L      | 5 | 05/16/25 20:46 | EPA 300.0             |  | AWG |
| Fluoride*                                      | <0.500 | 0.500 | 0.168 | mg/L      | 5 | 05/16/25 20:46 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007 | mg/L as N | 1 | 05/20/25 13:37 | EPA 353.2             |  | HIC |
| pH*                                            | 7.08   |       |       | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 20.3   |       |       | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | 798    | 5.00  | 2.81  | mg/L      | 5 | 05/16/25 20:46 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 1490   | 10.0  |       | mg/L      | 1 | 05/14/25 16:56 | EPA 160.1/SM<br>2540C |  | HIC |
| Total Organic Carbon*                          | 3.91   | 0.500 | 0.220 | mg/L      | 1 | 05/21/25 15:50 | 5310C                 |  | AES |

### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178 | mg/L | 5 | 05/14/25 15:30 | EPA 200.7   |  | AWG |
| Calcium*                      | 185    | 0.500 | 0.362 | mg/L | 5 | 05/14/25 15:30 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 1110   | 3.31  | 2.54  | mg/L | 5 | 05/14/25 15:30 | 2340 B      |  | AWG |
| Iron*                         | 1.90   | 0.250 | 0.173 | mg/L | 5 | 05/14/25 15:30 | EPA 200.7   |  | AWG |
| Magnesium*                    | 157    | 0.500 | 0.397 | mg/L | 5 | 05/14/25 15:30 | EPA 200.7   |  | AWG |
| Potassium*                    | <5.00  | 5.00  | 0.906 | mg/L | 5 | 05/14/25 15:30 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 17.3   | 5.35  | 0.104 | mg/L | 5 | 05/14/25 15:30 | Calculation |  | AWG |
| Silicon                       | 8.09   | 2.50  | 0.049 | mg/L | 5 | 05/14/25 15:30 | EPA 200.7   |  | AWG |
| Sodium*                       | 82.7   | 5.00  | 3.78  | mg/L | 5 | 05/14/25 15:30 | EPA 200.7   |  | AWG |

### Dissolved Metals by ICPMS

|             |         |        |         |      |    |                |           |  |     |
|-------------|---------|--------|---------|------|----|----------------|-----------|--|-----|
| Arsenic*    | <0.0010 | 0.0010 | 0.0004  | mg/L | 1  | 05/16/25 17:55 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00005 | mg/L | 1  | 05/16/25 17:55 | EPA 200.8 |  | AES |
| Copper*     | 0.0077  | 0.0010 | 0.0007  | mg/L | 1  | 05/16/25 17:55 | EPA 200.8 |  | AES |
| Lead*       | 0.0005  | 0.0005 | 0.0001  | mg/L | 1  | 05/16/25 17:55 | EPA 200.8 |  | AES |
| Manganese*  | 4.81    | 0.0050 | 0.0019  | mg/L | 10 | 05/20/25 11:19 | EPA 200.8 |  | AES |
| Molybdenum* | <0.0005 | 0.0005 | 0.00004 | mg/L | 1  | 05/16/25 17:55 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:33

### MW-7-EAA

**2505142-01 (Ground Water)**

**Sampled Date: 05/12/25 11:31**

**Sampled By: Brandon Waddell**

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

#### **Dissolved Metals by ICPMS**

|                  |               |        |         |      |   |                |           |  |     |
|------------------|---------------|--------|---------|------|---|----------------|-----------|--|-----|
| <b>Selenium*</b> | <0.0010       | 0.0010 | 0.0004  | mg/L | 1 | 05/16/25 17:55 | EPA 200.8 |  | AES |
| <b>Uranium</b>   | <b>0.0010</b> | 0.0005 | 0.00002 | mg/L | 1 | 05/16/25 17:55 | EPA 200.8 |  | AES |
| <b>Zinc*</b>     | <b>0.0123</b> | 0.0020 | 0.0005  | mg/L | 1 | 05/16/25 17:55 | EPA 200.8 |  | AES |

#### **Dissolved Mercury by CVAFS**

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/21/25 14:32 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:33

### General Chemistry - Quality Control

| Analyte                                        | Result | Reporting Limit | Units     | Spike Level                                              | Source Result | %REC | %REC Limits | RPD    | RPD Limit | Notes |
|------------------------------------------------|--------|-----------------|-----------|----------------------------------------------------------|---------------|------|-------------|--------|-----------|-------|
| <b>Batch B251265 - General Prep - Wet Chem</b> |        |                 |           |                                                          |               |      |             |        |           |       |
| <b>Blank (B251265-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 05/14/25                            |               |      |             |        |           |       |
| Total Dissolved Solids                         | ND     | 10.0            | mg/L      |                                                          |               |      |             |        |           |       |
| <b>Duplicate (B251265-DUP1)</b>                |        |                 |           | Source: 2505110-01 Prepared & Analyzed: 05/14/25         |               |      |             |        |           |       |
| Total Dissolved Solids                         | 2680   | 10.0            | mg/L      |                                                          | 2670          |      |             | 0.189  | 20        |       |
| <b>Reference (B251265-SRM1)</b>                |        |                 |           | Prepared & Analyzed: 05/14/25                            |               |      |             |        |           |       |
| Total Dissolved Solids                         | 365    | 10.0            | mg/L      | 400                                                      |               | 91.2 | 85-115      |        |           |       |
| <b>Batch B251285 - Lachat</b>                  |        |                 |           |                                                          |               |      |             |        |           |       |
| <b>Blank (B251285-BLK1)</b>                    |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | ND     | 0.020           | mg/L as N |                                                          |               |      |             |        |           |       |
| <b>LCS (B251285-BS1)</b>                       |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | 1.01   | 0.020           | mg/L as N | 1.00                                                     |               | 101  | 90-110      |        |           |       |
| <b>LCS Dup (B251285-BSD1)</b>                  |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | 1.01   | 0.020           | mg/L as N | 1.00                                                     |               | 101  | 90-110      | 0.0995 | 20        |       |
| <b>Matrix Spike (B251285-MS1)</b>              |        |                 |           | Source: 2505127-01 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | 1.00   | 0.020           | mg/L as N | 1.00                                                     | ND            | 100  | 90-110      |        |           |       |
| <b>Matrix Spike (B251285-MS2)</b>              |        |                 |           | Source: 2505132-01 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | 1.20   | 0.020           | mg/L as N | 1.00                                                     | 0.223         | 97.9 | 90-110      |        |           |       |
| <b>Matrix Spike Dup (B251285-MSD1)</b>         |        |                 |           | Source: 2505127-01 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | 1.01   | 0.020           | mg/L as N | 1.00                                                     | ND            | 101  | 90-110      | 0.695  | 20        |       |
| <b>Matrix Spike Dup (B251285-MSD2)</b>         |        |                 |           | Source: 2505132-01 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | 1.20   | 0.020           | mg/L as N | 1.00                                                     | 0.223         | 97.5 | 90-110      | 0.333  | 20        |       |
| <b>Batch B251288 - General Prep - Wet Chem</b> |        |                 |           |                                                          |               |      |             |        |           |       |
| <b>Duplicate (B251288-DUP1)</b>                |        |                 |           | Source: 2505148-01 Prepared & Analyzed: 05/14/25         |               |      |             |        |           |       |
| pH                                             | 7.70   |                 | pH Units  |                                                          | 7.66          |      |             | 0.521  | 20        |       |
| pH Temperature, degrees C                      | 20.6   |                 | pH Units  |                                                          | 21.1          |      |             | 2.40   | 200       |       |
| <b>Duplicate (B251288-DUP2)</b>                |        |                 |           | Source: 2505157-01 Prepared & Analyzed: 05/14/25         |               |      |             |        |           |       |
| pH                                             | 7.52   |                 | pH Units  |                                                          | 7.52          |      |             | 0.00   | 20        |       |
| pH Temperature, degrees C                      | 20.4   |                 | pH Units  |                                                          | 20.4          |      |             | 0.00   | 200       |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:33

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251288 - General Prep - Wet Chem (Continued)

##### Reference (B251288-SRM1)

Prepared & Analyzed: 05/14/25

|    |      |  |          |      |  |      |              |  |  |  |
|----|------|--|----------|------|--|------|--------------|--|--|--|
| pH | 6.94 |  | pH Units | 7.00 |  | 99.1 | 98.57-101.42 |  |  |  |
|----|------|--|----------|------|--|------|--------------|--|--|--|

#### Batch B251295 - IC- Ion Chromatograph

##### Blank (B251295-BLK1)

Prepared & Analyzed: 05/16/25

|          |    |       |      |  |  |  |  |  |  |  |
|----------|----|-------|------|--|--|--|--|--|--|--|
| Chloride | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Fluoride | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Sulfate  | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251295-BS1)

Prepared & Analyzed: 05/16/25

|          |      |       |      |      |  |      |        |  |  |  |
|----------|------|-------|------|------|--|------|--------|--|--|--|
| Chloride | 24.0 | 1.00  | mg/L | 25.0 |  | 96.1 | 90-110 |  |  |  |
| Fluoride | 2.41 | 0.100 | mg/L | 2.50 |  | 96.2 | 90-110 |  |  |  |
| Sulfate  | 23.6 | 1.00  | mg/L | 25.0 |  | 94.3 | 90-110 |  |  |  |

##### LCS Dup (B251295-BSD1)

Prepared & Analyzed: 05/16/25

|          |      |       |      |      |  |      |        |       |    |  |
|----------|------|-------|------|------|--|------|--------|-------|----|--|
| Chloride | 23.8 | 1.00  | mg/L | 25.0 |  | 95.3 | 90-110 | 0.852 | 20 |  |
| Fluoride | 2.39 | 0.100 | mg/L | 2.50 |  | 95.5 | 90-110 | 0.793 | 20 |  |
| Sulfate  | 23.4 | 1.00  | mg/L | 25.0 |  | 93.5 | 90-110 | 0.929 | 20 |  |

##### Matrix Spike (B251295-MS1)

Source: 2505132-01 Prepared & Analyzed: 05/16/25

|          |      |       |      |      |       |      |        |  |  |  |
|----------|------|-------|------|------|-------|------|--------|--|--|--|
| Chloride | 26.4 | 1.00  | mg/L | 25.0 | 3.62  | 91.0 | 85-115 |  |  |  |
| Fluoride | 2.69 | 0.100 | mg/L | 2.50 | 0.425 | 90.6 | 85-115 |  |  |  |
| Sulfate  | 67.3 | 1.00  | mg/L | 25.0 | 44.0  | 93.0 | 85-115 |  |  |  |

##### Matrix Spike (B251295-MS2)

Source: 2505146-01 Prepared & Analyzed: 05/16/25

|          |      |       |      |      |       |      |        |  |  |  |
|----------|------|-------|------|------|-------|------|--------|--|--|--|
| Chloride | 30.5 | 1.00  | mg/L | 25.0 | 7.07  | 93.8 | 85-115 |  |  |  |
| Fluoride | 2.43 | 0.100 | mg/L | 2.50 | 0.145 | 91.4 | 85-115 |  |  |  |
| Sulfate  | 41.0 | 1.00  | mg/L | 25.0 | 17.7  | 93.4 | 85-115 |  |  |  |

##### Matrix Spike Dup (B251295-MSD1)

Source: 2505132-01 Prepared & Analyzed: 05/16/25

|          |      |       |      |      |       |      |        |       |    |  |
|----------|------|-------|------|------|-------|------|--------|-------|----|--|
| Chloride | 26.8 | 1.00  | mg/L | 25.0 | 3.62  | 92.6 | 85-115 | 1.49  | 20 |  |
| Fluoride | 2.73 | 0.100 | mg/L | 2.50 | 0.425 | 92.2 | 85-115 | 1.44  | 20 |  |
| Sulfate  | 67.6 | 1.00  | mg/L | 25.0 | 44.0  | 94.3 | 85-115 | 0.481 | 20 |  |

##### Matrix Spike Dup (B251295-MSD2)

Source: 2505146-01 Prepared & Analyzed: 05/16/25

|          |      |       |      |      |       |      |        |      |    |  |
|----------|------|-------|------|------|-------|------|--------|------|----|--|
| Chloride | 31.1 | 1.00  | mg/L | 25.0 | 7.07  | 96.0 | 85-115 | 1.79 | 20 |  |
| Fluoride | 2.48 | 0.100 | mg/L | 2.50 | 0.145 | 93.6 | 85-115 | 2.16 | 20 |  |
| Sulfate  | 41.6 | 1.00  | mg/L | 25.0 | 17.7  | 95.8 | 85-115 | 1.43 | 20 |  |

#### Batch B251336 - General Prep - Wet Chem

##### Blank (B251336-BLK1)

Prepared & Analyzed: 05/19/25

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:33

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251336 - General Prep - Wet Chem (Continued)

##### Blank (B251336-BLK1) (Continued)

Prepared & Analyzed: 05/19/25

|                                              |    |      |      |  |  |  |  |  |  |  |
|----------------------------------------------|----|------|------|--|--|--|--|--|--|--|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | ND | 10.0 | mg/L |  |  |  |  |  |  |  |

##### LCS (B251336-BS1)

Prepared & Analyzed: 05/19/25

|                                        |      |      |      |     |  |      |        |  |  |  |
|----------------------------------------|------|------|------|-----|--|------|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 98.0 | 10.0 | mg/L | 100 |  | 98.0 | 85-115 |  |  |  |
|----------------------------------------|------|------|------|-----|--|------|--------|--|--|--|

##### LCS Dup (B251336-BSD1)

Prepared & Analyzed: 05/19/25

|                                        |     |      |      |     |  |     |        |      |    |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|------|----|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 101 | 10.0 | mg/L | 100 |  | 101 | 85-115 | 3.02 | 20 |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|------|----|--|

##### Matrix Spike (B251336-MS1)

Source: 2505109-01 Prepared & Analyzed: 05/19/25

|                                        |     |      |      |     |     |     |        |  |  |    |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|--|--|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 760 | 10.0 | mg/L | 100 | 270 | 490 | 80-120 |  |  | M3 |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|--|--|----|

##### Matrix Spike (B251336-MS2)

Source: 2505110-01 Prepared & Analyzed: 05/19/25

|                                        |     |      |      |     |     |     |        |  |  |    |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|--|--|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 800 | 10.0 | mg/L | 100 | 360 | 440 | 80-120 |  |  | M3 |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|--|--|----|

##### Matrix Spike Dup (B251336-MSD1)

Source: 2505109-01 Prepared & Analyzed: 05/19/25

|                                        |     |      |      |     |     |     |        |      |    |    |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|------|----|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 785 | 10.0 | mg/L | 100 | 270 | 515 | 80-120 | 3.24 | 20 | M3 |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|------|----|----|

##### Matrix Spike Dup (B251336-MSD2)

Source: 2505110-01 Prepared & Analyzed: 05/19/25

|                                        |     |      |      |     |     |     |        |      |    |    |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|------|----|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 835 | 10.0 | mg/L | 100 | 360 | 475 | 80-120 | 4.28 | 20 | M3 |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|------|----|----|

##### Reference (B251336-SRM1)

Prepared & Analyzed: 05/19/25

|                                        |     |      |      |     |  |     |        |  |  |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 101 | 10.0 | mg/L | 100 |  | 101 | 85-115 |  |  |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|

#### Batch B251365 - General Prep - Wet Chem

##### Blank (B251365-BLK1)

Prepared & Analyzed: 05/21/25

|                      |    |       |      |  |  |  |  |  |  |  |
|----------------------|----|-------|------|--|--|--|--|--|--|--|
| Total Organic Carbon | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
|----------------------|----|-------|------|--|--|--|--|--|--|--|

##### LCS (B251365-BS1)

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |  |      |        |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|
| Total Organic Carbon | 9.78 | 0.500 | mg/L | 10.0 |  | 97.8 | 85-115 |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|

##### LCS Dup (B251365-BSD1)

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |  |      |        |       |    |  |
|----------------------|------|-------|------|------|--|------|--------|-------|----|--|
| Total Organic Carbon | 9.81 | 0.500 | mg/L | 10.0 |  | 98.1 | 85-115 | 0.306 | 20 |  |
|----------------------|------|-------|------|------|--|------|--------|-------|----|--|

##### Matrix Spike (B251365-MS1)

Source: 2505178-02 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 12.2 | 0.500 | mg/L | 10.0 | 3.06 | 91.6 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

##### Matrix Spike (B251365-MS2)

Source: 2505190-01 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 10.6 | 0.500 | mg/L | 10.0 | 1.18 | 94.1 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

##### Matrix Spike Dup (B251365-MSD1)

Source: 2505178-02 Prepared & Analyzed: 05/21/25

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:33

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251365 - General Prep - Wet Chem (Continued)

##### Matrix Spike Dup (B251365-MSD1) (Continued) Source: 2505178-02 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |      |    |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|
| Total Organic Carbon | 12.6 | 0.500 | mg/L | 10.0 | 3.06 | 95.2 | 80-120 | 2.90 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|

##### Matrix Spike Dup (B251365-MSD2) Source: 2505190-01 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |      |    |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|
| Total Organic Carbon | 10.8 | 0.500 | mg/L | 10.0 | 1.18 | 96.1 | 80-120 | 1.87 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:33

### Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251251 - Dissolved ICP

##### Blank (B251251-BLK1)

Prepared: 05/13/25 Analyzed: 05/14/25

|           |    |       |      |  |  |  |  |  |  |  |
|-----------|----|-------|------|--|--|--|--|--|--|--|
| Aluminum  | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Calcium   | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Iron      | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Magnesium | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Potassium | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Silicon   | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
| Sodium    | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251251-BS1)

Prepared: 05/13/25 Analyzed: 05/14/25

|           |      |       |      |      |  |      |        |  |  |  |
|-----------|------|-------|------|------|--|------|--------|--|--|--|
| Aluminum  | 3.87 | 0.050 | mg/L | 4.00 |  | 96.7 | 85-115 |  |  |  |
| Calcium   | 3.95 | 0.100 | mg/L | 4.00 |  | 98.7 | 85-115 |  |  |  |
| Iron      | 3.93 | 0.050 | mg/L | 4.00 |  | 98.2 | 85-115 |  |  |  |
| Magnesium | 20.6 | 0.100 | mg/L | 20.0 |  | 103  | 85-115 |  |  |  |
| Potassium | 8.10 | 1.00  | mg/L | 8.00 |  | 101  | 85-115 |  |  |  |
| Silicon   | 4.22 | 0.500 | mg/L | 4.00 |  | 106  | 85-115 |  |  |  |
| Sodium    | 3.19 | 1.00  | mg/L | 3.24 |  | 98.6 | 85-115 |  |  |  |

##### LCS Dup (B251251-BSD1)

Prepared: 05/13/25 Analyzed: 05/14/25

|           |      |       |      |      |  |      |        |      |    |  |
|-----------|------|-------|------|------|--|------|--------|------|----|--|
| Aluminum  | 3.92 | 0.050 | mg/L | 4.00 |  | 98.0 | 85-115 | 1.32 | 20 |  |
| Calcium   | 4.02 | 0.100 | mg/L | 4.00 |  | 100  | 85-115 | 1.72 | 20 |  |
| Iron      | 4.01 | 0.050 | mg/L | 4.00 |  | 100  | 85-115 | 2.14 | 20 |  |
| Magnesium | 20.9 | 0.100 | mg/L | 20.0 |  | 105  | 85-115 | 1.68 | 20 |  |
| Potassium | 8.21 | 1.00  | mg/L | 8.00 |  | 103  | 85-115 | 1.41 | 20 |  |
| Silicon   | 4.29 | 0.500 | mg/L | 4.00 |  | 107  | 85-115 | 1.61 | 20 |  |
| Sodium    | 3.23 | 1.00  | mg/L | 3.24 |  | 99.7 | 85-115 | 1.10 | 20 |  |

##### Matrix Spike (B251251-MS1)

Source: 2505092-01

Prepared: 05/13/25 Analyzed: 05/14/25

|           |      |       |      |      |       |     |        |  |  |    |
|-----------|------|-------|------|------|-------|-----|--------|--|--|----|
| Aluminum  | 4.26 | 0.050 | mg/L | 4.00 | ND    | 107 | 70-130 |  |  |    |
| Calcium   | 103  | 0.100 | mg/L | 4.00 | 103   | NR  | 70-130 |  |  | M3 |
| Iron      | 4.42 | 0.050 | mg/L | 4.00 | ND    | 110 | 70-130 |  |  |    |
| Magnesium | 61.0 | 0.100 | mg/L | 20.0 | 39.5  | 107 | 70-130 |  |  |    |
| Potassium | 17.8 | 1.00  | mg/L | 8.00 | 8.85  | 111 | 70-130 |  |  |    |
| Silicon   | 4.76 | 0.500 | mg/L | 4.00 | 0.221 | 114 | 70-130 |  |  |    |
| Sodium    | 139  | 1.00  | mg/L | 3.24 | 141   | NR  | 70-130 |  |  | M3 |

##### Matrix Spike (B251251-MS2)

Source: 2505133-01

Prepared: 05/13/25 Analyzed: 05/14/25

|           |      |       |      |      |      |      |        |  |  |    |
|-----------|------|-------|------|------|------|------|--------|--|--|----|
| Aluminum  | 4.07 | 0.050 | mg/L | 4.00 | ND   | 102  | 70-130 |  |  |    |
| Calcium   | 89.8 | 0.100 | mg/L | 4.00 | 90.0 | NR   | 70-130 |  |  | M3 |
| Iron      | 4.17 | 0.050 | mg/L | 4.00 | ND   | 104  | 70-130 |  |  |    |
| Magnesium | 37.9 | 0.100 | mg/L | 20.0 | 17.1 | 104  | 70-130 |  |  |    |
| Potassium | 25.4 | 1.00  | mg/L | 8.00 | 17.4 | 99.9 | 70-130 |  |  |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:33

### Dissolved Metals by ICP - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251251 - Dissolved ICP (Continued)

##### Matrix Spike (B251251-MS2) (Continued)

Source: 2505133-01 Prepared: 05/13/25 Analyzed: 05/14/25

|         |      |       |      |      |      |     |        |  |  |    |
|---------|------|-------|------|------|------|-----|--------|--|--|----|
| Silicon | 9.00 | 0.500 | mg/L | 4.00 | 4.86 | 104 | 70-130 |  |  |    |
| Sodium  | 110  | 1.00  | mg/L | 3.24 | 111  | NR  | 70-130 |  |  | M3 |

##### Matrix Spike Dup (B251251-MSD1)

Source: 2505092-01 Prepared: 05/13/25 Analyzed: 05/14/25

|           |      |       |      |      |       |      |        |       |    |    |
|-----------|------|-------|------|------|-------|------|--------|-------|----|----|
| Aluminum  | 4.13 | 0.250 | mg/L | 4.00 | ND    | 103  | 70-130 | 3.03  | 20 |    |
| Calcium   | 104  | 0.500 | mg/L | 4.00 | 103   | 25.6 | 70-130 | 1.20  | 20 | M3 |
| Iron      | 4.43 | 0.250 | mg/L | 4.00 | ND    | 111  | 70-130 | 0.321 | 20 |    |
| Magnesium | 60.4 | 0.500 | mg/L | 20.0 | 39.5  | 104  | 70-130 | 0.998 | 20 |    |
| Potassium | 17.0 | 5.00  | mg/L | 8.00 | 8.85  | 102  | 70-130 | 4.31  | 20 |    |
| Silicon   | 4.66 | 2.50  | mg/L | 4.00 | 0.221 | 111  | 70-130 | 2.24  | 20 |    |
| Sodium    | 139  | 5.00  | mg/L | 3.24 | 141   | NR   | 70-130 | 0.153 | 20 | M3 |

##### Matrix Spike Dup (B251251-MSD2)

Source: 2505133-01 Prepared: 05/13/25 Analyzed: 05/14/25

|           |      |       |      |      |      |      |        |       |    |    |
|-----------|------|-------|------|------|------|------|--------|-------|----|----|
| Aluminum  | 4.04 | 0.250 | mg/L | 4.00 | ND   | 101  | 70-130 | 0.751 | 20 |    |
| Calcium   | 88.0 | 0.500 | mg/L | 4.00 | 90.0 | NR   | 70-130 | 2.05  | 20 | M3 |
| Iron      | 4.14 | 0.250 | mg/L | 4.00 | ND   | 103  | 70-130 | 0.835 | 20 |    |
| Magnesium | 37.4 | 0.500 | mg/L | 20.0 | 17.1 | 101  | 70-130 | 1.40  | 20 |    |
| Potassium | 24.4 | 5.00  | mg/L | 8.00 | 17.4 | 87.5 | 70-130 | 3.99  | 20 |    |
| Silicon   | 8.78 | 2.50  | mg/L | 4.00 | 4.86 | 98.0 | 70-130 | 2.46  | 20 |    |
| Sodium    | 108  | 5.00  | mg/L | 3.24 | 111  | NR   | 70-130 | 2.05  | 20 | M3 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:33

### Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251291 - Dissolved ICPMS

##### Blank (B251291-BLK1)

Prepared: 05/15/25 Analyzed: 05/16/25

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0010 | mg/L |
| Cadmium    | ND | 0.0005 | mg/L |
| Copper     | ND | 0.0010 | mg/L |
| Lead       | ND | 0.0005 | mg/L |
| Manganese  | ND | 0.0005 | mg/L |
| Molybdenum | ND | 0.0005 | mg/L |
| Selenium   | ND | 0.0010 | mg/L |
| Uranium    | ND | 0.0005 | mg/L |
| Zinc       | ND | 0.0020 | mg/L |

##### LCS (B251291-BS1)

Prepared: 05/15/25 Analyzed: 05/16/25

|            |        |        |      |        |      |        |
|------------|--------|--------|------|--------|------|--------|
| Arsenic    | 0.0498 | 0.0010 | mg/L | 0.0500 | 99.5 | 85-115 |
| Cadmium    | 0.0491 | 0.0005 | mg/L | 0.0500 | 98.2 | 85-115 |
| Copper     | 0.0516 | 0.0010 | mg/L | 0.0500 | 103  | 85-115 |
| Lead       | 0.0509 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |
| Manganese  | 0.0512 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |
| Molybdenum | 0.0496 | 0.0005 | mg/L | 0.0500 | 99.3 | 85-115 |
| Selenium   | 0.245  | 0.0010 | mg/L | 0.250  | 98.2 | 85-115 |
| Uranium    | 0.0514 | 0.0005 | mg/L | 0.0500 | 103  | 85-115 |
| Zinc       | 0.0525 | 0.0020 | mg/L | 0.0500 | 105  | 85-115 |

##### LCS Dup (B251291-BSD1)

Prepared: 05/15/25 Analyzed: 05/16/25

|            |        |        |      |        |      |        |       |    |
|------------|--------|--------|------|--------|------|--------|-------|----|
| Arsenic    | 0.0503 | 0.0010 | mg/L | 0.0500 | 101  | 85-115 | 1.02  | 20 |
| Cadmium    | 0.0499 | 0.0005 | mg/L | 0.0500 | 99.7 | 85-115 | 1.51  | 20 |
| Copper     | 0.0513 | 0.0010 | mg/L | 0.0500 | 103  | 85-115 | 0.487 | 20 |
| Lead       | 0.0504 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 1.04  | 20 |
| Manganese  | 0.0521 | 0.0005 | mg/L | 0.0500 | 104  | 85-115 | 1.81  | 20 |
| Molybdenum | 0.0498 | 0.0005 | mg/L | 0.0500 | 99.5 | 85-115 | 0.252 | 20 |
| Selenium   | 0.250  | 0.0010 | mg/L | 0.250  | 99.8 | 85-115 | 1.65  | 20 |
| Uranium    | 0.0513 | 0.0005 | mg/L | 0.0500 | 103  | 85-115 | 0.201 | 20 |
| Zinc       | 0.0529 | 0.0020 | mg/L | 0.0500 | 106  | 85-115 | 0.753 | 20 |

##### Matrix Spike (B251291-MS1)

Source: 2505101-05

Prepared: 05/15/25 Analyzed: 05/16/25

|            |        |        |      |        |        |      |        |
|------------|--------|--------|------|--------|--------|------|--------|
| Arsenic    | 0.0544 | 0.0010 | mg/L | 0.0500 | 0.0015 | 106  | 70-130 |
| Cadmium    | 0.0467 | 0.0005 | mg/L | 0.0500 | ND     | 93.3 | 70-130 |
| Copper     | 0.0476 | 0.0010 | mg/L | 0.0500 | 0.0062 | 82.8 | 70-130 |
| Lead       | 0.0473 | 0.0005 | mg/L | 0.0500 | ND     | 94.6 | 70-130 |
| Manganese  | 0.0950 | 0.0005 | mg/L | 0.0500 | 0.0537 | 82.6 | 70-130 |
| Molybdenum | 0.0526 | 0.0005 | mg/L | 0.0500 | 0.0015 | 102  | 70-130 |
| Selenium   | 0.261  | 0.0010 | mg/L | 0.250  | 0.0010 | 104  | 70-130 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:33

**Dissolved Metals by ICPMS - Quality Control  
(Continued)**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch B251291 - Dissolved ICPMS (Continued)**

**Matrix Spike (B251291-MS1) (Continued)**

Source: 2505101-05 Prepared: 05/15/25 Analyzed: 05/16/25

|         |        |        |      |        |        |      |        |  |  |  |
|---------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Uranium | 0.0548 | 0.0005 | mg/L | 0.0500 | 0.0011 | 107  | 70-130 |  |  |  |
| Zinc    | 0.0562 | 0.0020 | mg/L | 0.0500 | 0.0146 | 83.2 | 70-130 |  |  |  |

**Matrix Spike Dup (B251291-MSD1)**

Source: 2505101-05 Prepared: 05/15/25 Analyzed: 05/16/25

|            |        |        |      |        |        |      |        |        |    |  |
|------------|--------|--------|------|--------|--------|------|--------|--------|----|--|
| Arsenic    | 0.0547 | 0.0010 | mg/L | 0.0500 | 0.0015 | 106  | 70-130 | 0.602  | 20 |  |
| Cadmium    | 0.0468 | 0.0005 | mg/L | 0.0500 | ND     | 93.6 | 70-130 | 0.284  | 20 |  |
| Copper     | 0.0476 | 0.0010 | mg/L | 0.0500 | 0.0062 | 82.8 | 70-130 | 0.0632 | 20 |  |
| Lead       | 0.0478 | 0.0005 | mg/L | 0.0500 | ND     | 95.6 | 70-130 | 1.06   | 20 |  |
| Manganese  | 0.0952 | 0.0005 | mg/L | 0.0500 | 0.0537 | 83.2 | 70-130 | 0.303  | 20 |  |
| Molybdenum | 0.0531 | 0.0005 | mg/L | 0.0500 | 0.0015 | 103  | 70-130 | 1.07   | 20 |  |
| Selenium   | 0.263  | 0.0010 | mg/L | 0.250  | 0.0010 | 105  | 70-130 | 0.721  | 20 |  |
| Uranium    | 0.0552 | 0.0005 | mg/L | 0.0500 | 0.0011 | 108  | 70-130 | 0.712  | 20 |  |
| Zinc       | 0.0556 | 0.0020 | mg/L | 0.0500 | 0.0146 | 82.1 | 70-130 | 1.00   | 20 |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:33

### Dissolved Mercury by CVAFS - Quality Control

| Analyte                                | Result | Reporting Limit | Units | Spike Level                           | Source Result | %REC                                  | %REC Limits | RPD   | RPD Limit | Notes |
|----------------------------------------|--------|-----------------|-------|---------------------------------------|---------------|---------------------------------------|-------------|-------|-----------|-------|
| <b>Batch B251333 - EPA 245.7</b>       |        |                 |       |                                       |               |                                       |             |       |           |       |
| <b>Blank (B251333-BLK1)</b>            |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25 |               |                                       |             |       |           |       |
| Mercury                                | ND     | 100             | ng/L  |                                       |               |                                       |             |       |           |       |
| <b>LCS (B251333-BS1)</b>               |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25 |               |                                       |             |       |           |       |
| Mercury                                | 884    | 100             | ng/L  | 1000                                  |               | 88.4                                  | 76-113      |       |           |       |
| <b>LCS Dup (B251333-BSD1)</b>          |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25 |               |                                       |             |       |           |       |
| Mercury                                | 837    | 100             | ng/L  | 1000                                  |               | 83.7                                  | 76-113      | 5.53  | 20        |       |
| <b>Matrix Spike (B251333-MS1)</b>      |        |                 |       | <b>Source: 2505141-01</b>             |               | Prepared: 05/19/25 Analyzed: 05/21/25 |             |       |           |       |
| Mercury                                | 920    | 100             | ng/L  | 1000                                  | ND            | 92.0                                  | 63-111      |       |           |       |
| <b>Matrix Spike (B251333-MS2)</b>      |        |                 |       | <b>Source: 2505142-01</b>             |               | Prepared: 05/19/25 Analyzed: 05/21/25 |             |       |           |       |
| Mercury                                | 888    | 100             | ng/L  | 1000                                  | ND            | 88.8                                  | 63-111      |       |           |       |
| <b>Matrix Spike Dup (B251333-MSD1)</b> |        |                 |       | <b>Source: 2505141-01</b>             |               | Prepared: 05/19/25 Analyzed: 05/21/25 |             |       |           |       |
| Mercury                                | 923    | 100             | ng/L  | 1000                                  | ND            | 92.3                                  | 63-111      | 0.335 | 200       |       |
| <b>Matrix Spike Dup (B251333-MSD2)</b> |        |                 |       | <b>Source: 2505142-01</b>             |               | Prepared: 05/19/25 Analyzed: 05/21/25 |             |       |           |       |
| Mercury                                | 810    | 100             | ng/L  | 1000                                  | ND            | 81.0                                  | 63-111      | 9.11  | 200       |       |

### Notes and Definitions

|     |                                                                                                                                                                                 |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M3  | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| DET | Analyte DETECTED                                                                                                                                                                |
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                                            |
| NR  | Not Reported                                                                                                                                                                    |
| dry | Sample results reported on a dry weight basis<br>*Results reported on as received basis unless designated as dry.                                                               |
| RPD | Relative Percent Difference                                                                                                                                                     |
| LCS | Laboratory Control Sample (Blank Spike)                                                                                                                                         |
| RL  | Report Limit                                                                                                                                                                    |
| MDL | Method Detection Limit                                                                                                                                                          |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/23/25 10:33

### Qualifier Summary

| <u>LabNumber</u> | <u>Analysis</u>          | <u>Analyte</u>                         | <u>Qualifier</u> | <u>TextBody</u>                                                                                                                                                                 |
|------------------|--------------------------|----------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B251251-MS1      | Calcium Dissolved by ICP | Calcium                                | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251251-MS1      | Sodium Dissolved by ICP  | Sodium                                 | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251251-MS2      | Calcium Dissolved by ICP | Calcium                                | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251251-MS2      | Sodium Dissolved by ICP  | Sodium                                 | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251251-MSD1     | Calcium Dissolved by ICP | Calcium                                | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251251-MSD1     | Sodium Dissolved by ICP  | Sodium                                 | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251251-MSD2     | Calcium Dissolved by ICP | Calcium                                | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251251-MSD2     | Sodium Dissolved by ICP  | Sodium                                 | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251336-MS1      | Alkalinity, Total        | Alkalinity, Total as CaCO <sub>3</sub> | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251336-MS2      | Alkalinity, Total        | Alkalinity, Total as CaCO <sub>3</sub> | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251336-MSD1     | Alkalinity, Total        | Alkalinity, Total as CaCO <sub>3</sub> | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |
| B251336-MSD2     | Alkalinity, Total        | Alkalinity, Total as CaCO <sub>3</sub> | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level. |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





75 Suttle Street  
Durango, CO 81303  
(970) 247-4220

Note: Write-Out™ or similar products cannot be used on the Chain of Custody

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006, R 8.0

Company or Client: GCC Energy

Address: 6473 CR 120

City: Hesperus

State: CO Zip: 81326

Phone #: 970.385.4528

Contact Person: Michael Dickson for billing; Landon Beck for logistical or technical

Email Report to: mdickson@gcc.com; lbeck@strconsulting.com; tom@hayguthservices.com

Project Name(optional):

Sampler Name (Print):

Brandon Waddell

Collected

Matrix (check one)

# of containers

Rush?

Y ☐ N ☒

Bill to (if different):

ANALYSIS REQUEST

Lab I.D.

Sample Name or Location

Date

Time

✓

GROUNDWATER

SURFACE WATER

WASTEWATER

PRODUCED WATER

DRINKING WATER

SOIL

OTHER:

3

No preservation

Nitric Acid

Hydrochloric Acid

4

Sulfuric Acid

Sodium Hydroxide

OTHER:

✓

GCC GW Baseline

GCC SW Baseline

GCC S&amp;S Baseline



Date/Initials of person examining contents: 5.12.25  
CDWLabeled by initials: \_\_\_\_\_  
(If different than above)

## SAMPLE CONDITION RECEIPT FORM

Client Name: GCC EnergyWork Order # 2505-142Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ OtherCustody Seals on Box/Cooler Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: \_\_\_\_\_Thermometer Used: 82 Samples on ice, cooling process has begun: ☒ Yes ☐ NoType of Ice: ☒ Wet ☐ Blue ☐ None Cooler Temp: Observed Temp: 11.8 °C Correction Factor: 1.2 °C Final Temp: 12.0 °C

\*Temp should be above freezing 6°C

Compliance: ☐ Yes ☒ No

|                                                                                                                                                                                                                                                                                                                                                                               |                                                                                       |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------|
| Chain of Custody Filled Out:                                                                                                                                                                                                                                                                                                                                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                   | 1.              |
| COC Signed when Relinquished and Received:                                                                                                                                                                                                                                                                                                                                    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                   | 2.              |
| Sampler Name and Signature on COC:<br>*Required for compliance                                                                                                                                                                                                                                                                                                                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                   | 3.              |
| Samples arrived within hold time:                                                                                                                                                                                                                                                                                                                                             | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                   | 4.              |
| Correct Containers Used & Intact:                                                                                                                                                                                                                                                                                                                                             | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                   | 5.              |
| Short Hold Time Analysis (<72hr):                                                                                                                                                                                                                                                                                                                                             | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                   | 6. <u>PIA</u>   |
| Rush Turn Around Time Requested:                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                   | 7.              |
| Sufficient Volume:                                                                                                                                                                                                                                                                                                                                                            | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                   | 8.              |
| pH's acceptable upon receipt, where applicable:<br>*Not including metals bottles                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9.              |
| Dissolved Testing Needed:<br>Field Filtered: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                              | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                   | 10. <u>0.35</u> |
| Sample Labels match COC:<br>-Includes Date/Time/ID<br>Matrix: <u>WT</u> <u>SL</u> <u>OT</u>                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No                              | 11.             |
| Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br>Trip Blank Custody Seals Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br>VOA's meet headspace requirement (<6mm bubbles) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |                                                                                       | 12.             |
| Non-Conformance(s):                                                                                                                                                                                                                                                                                                                                                           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                   | 13.             |

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
jeremy.allen@greenanalytical.com

29 May 2025

Michael Dickson  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: [none]

Enclosed are the results of analyses for samples received by the laboratory on 05/14/25 08:50. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, reading 'Jeremy D. Allen', is displayed on a light blue rectangular background.

Report Station For Jeremy D Allen  
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

# Table of Contents

|                                |    |
|--------------------------------|----|
| Samples in Report              | 3  |
| Sample Results                 | 4  |
| 2505191-01: MW-1-A             | 4  |
| Quality Assurance Results      | 6  |
| Notes and Definitions          | 14 |
| Qualifier Summary              | 15 |
| Chain of Custody & Attachments | 16 |



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:42

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| MW-1-A    | 2505191-01    | Water  | 05/13/25 10:46 | 05/14/25 08:50 |       |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:42

## MW-1-A

**2505191-01 (Ground Water)**

**Sampled Date: 05/13/25 10:46**

**Sampled By: Brandon Waddell**

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

### General Chemistry

|                                                |        |       |        |           |   |                |                       |  |     |
|------------------------------------------------|--------|-------|--------|-----------|---|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 387    | 10.0  | 5.55   | mg/L      | 1 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 1 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 1 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 387    | 10.0  | 5.55   | mg/L      | 1 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Cation/Anion Balance                           | 0.650  | -100  | -100   | %         | 1 | 05/29/25 17:27 | Calculation           |  | JDA |
| Chloride*                                      | 2.45   | 1.00  | 0.497  | mg/L      | 1 | 05/21/25 18:01 | EPA 300.0             |  | AWG |
| Fluoride*                                      | 0.227  | 0.100 | 0.0336 | mg/L      | 1 | 05/21/25 18:01 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007  | mg/L as N | 1 | 05/20/25 14:21 | EPA 353.2             |  | HIC |
| pH*                                            | 7.18   |       |        | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 20.8   |       |        | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | 507    | 5.00  | 2.81   | mg/L      | 5 | 05/22/25 10:37 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 990    | 10.0  |        | mg/L      | 1 | 05/20/25 16:27 | EPA 160.1/SM<br>2540C |  | AWG |
| Total Organic Carbon*                          | 1.46   | 0.500 | 0.220  | mg/L      | 1 | 05/21/25 20:35 | 5310C                 |  | AES |

### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178 | mg/L | 5 | 05/20/25 16:24 | EPA 200.7   |  | AWG |
| Calcium*                      | 31.5   | 0.500 | 0.362 | mg/L | 5 | 05/20/25 16:24 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 167    | 3.31  | 2.54  | mg/L | 5 | 05/20/25 16:24 | 2340 B      |  | AWG |
| Iron*                         | 0.440  | 0.250 | 0.173 | mg/L | 5 | 05/20/25 16:24 | EPA 200.7   |  | AWG |
| Magnesium*                    | 21.4   | 0.500 | 0.397 | mg/L | 5 | 05/20/25 16:24 | EPA 200.7   |  | AWG |
| Potassium*                    | <5.00  | 5.00  | 0.906 | mg/L | 5 | 05/20/25 16:24 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 10.7   | 5.35  | 0.104 | mg/L | 5 | 05/20/25 16:24 | Calculation |  | AWG |
| Silicon                       | 5.00   | 2.50  | 0.049 | mg/L | 5 | 05/20/25 16:24 | EPA 200.7   |  | AWG |
| Sodium*                       | 333    | 5.00  | 3.78  | mg/L | 5 | 05/20/25 16:24 | EPA 200.7   |  | AWG |

### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |           |  |     |
|-------------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Arsenic*    | <0.0020 | 0.0020 | 0.0008  | mg/L | 2 | 05/20/25 16:39 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 05/20/25 16:39 | EPA 200.8 |  | AES |
| Copper*     | 0.0154  | 0.0020 | 0.0015  | mg/L | 2 | 05/20/25 16:39 | EPA 200.8 |  | AES |
| Lead*       | <0.0010 | 0.0010 | 0.0002  | mg/L | 2 | 05/20/25 16:39 | EPA 200.8 |  | AES |
| Manganese*  | 0.0507  | 0.0010 | 0.0004  | mg/L | 2 | 05/20/25 16:39 | EPA 200.8 |  | AES |
| Molybdenum* | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 05/20/25 16:39 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:42

### MW-1-A

**2505191-01 (Ground Water)**

**Sampled Date: 05/13/25 10:46**

**Sampled By: Brandon Waddell**

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

#### Dissolved Metals by ICPMS

|                  |               |        |         |      |   |                |           |  |     |
|------------------|---------------|--------|---------|------|---|----------------|-----------|--|-----|
| <b>Selenium*</b> | <0.0020       | 0.0020 | 0.0007  | mg/L | 2 | 05/20/25 16:39 | EPA 200.8 |  | AES |
| <b>Uranium</b>   | <0.0010       | 0.0010 | 0.00005 | mg/L | 2 | 05/20/25 16:39 | EPA 200.8 |  | AES |
| <b>Zinc*</b>     | <b>0.0161</b> | 0.0040 | 0.0010  | mg/L | 2 | 05/20/25 16:39 | EPA 200.8 |  | AES |

#### Dissolved Mercury by CVAFS

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/21/25 15:55 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:42

### General Chemistry - Quality Control

| Analyte                                        | Result | Reporting Limit | Units     | Spike Level                                              | Source Result | %REC | %REC Limits  | RPD   | RPD Limit | Notes |
|------------------------------------------------|--------|-----------------|-----------|----------------------------------------------------------|---------------|------|--------------|-------|-----------|-------|
| <b>Batch B251286 - Lachat</b>                  |        |                 |           |                                                          |               |      |              |       |           |       |
| <b>Blank (B251286-BLK1)</b>                    |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | ND     | 0.020           | mg/L as N |                                                          |               |      |              |       |           |       |
| <b>LCS (B251286-BS1)</b>                       |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.01   | 0.020           | mg/L as N | 1.00                                                     |               | 101  | 90-110       |       |           |       |
| <b>LCS Dup (B251286-BSD1)</b>                  |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.01   | 0.020           | mg/L as N | 1.00                                                     |               | 101  | 90-110       | 0.198 | 20        |       |
| <b>Matrix Spike (B251286-MS1)</b>              |        |                 |           | Source: 2505177-01 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 0.966  | 0.020           | mg/L as N | 1.00                                                     | ND            | 96.6 | 90-110       |       |           |       |
| <b>Matrix Spike (B251286-MS2)</b>              |        |                 |           | Source: 2505177-02 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.03   | 0.020           | mg/L as N | 1.00                                                     | ND            | 103  | 90-110       |       |           |       |
| <b>Matrix Spike Dup (B251286-MSD1)</b>         |        |                 |           | Source: 2505177-01 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 0.977  | 0.020           | mg/L as N | 1.00                                                     | ND            | 97.7 | 90-110       | 1.12  | 20        |       |
| <b>Matrix Spike Dup (B251286-MSD2)</b>         |        |                 |           | Source: 2505177-02 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.04   | 0.020           | mg/L as N | 1.00                                                     | ND            | 104  | 90-110       | 0.581 | 20        |       |
| <b>Batch B251288 - General Prep - Wet Chem</b> |        |                 |           |                                                          |               |      |              |       |           |       |
| <b>Duplicate (B251288-DUP1)</b>                |        |                 |           | Source: 2505148-01 Prepared & Analyzed: 05/14/25         |               |      |              |       |           |       |
| pH                                             | 7.70   |                 | pH Units  |                                                          | 7.66          |      |              | 0.521 | 20        |       |
| pH Temperature, degrees C                      | 20.6   |                 | pH Units  |                                                          | 21.1          |      |              | 2.40  | 200       |       |
| <b>Duplicate (B251288-DUP2)</b>                |        |                 |           | Source: 2505157-01 Prepared & Analyzed: 05/14/25         |               |      |              |       |           |       |
| pH                                             | 7.52   |                 | pH Units  |                                                          | 7.52          |      |              | 0.00  | 20        |       |
| pH Temperature, degrees C                      | 20.4   |                 | pH Units  |                                                          | 20.4          |      |              | 0.00  | 200       |       |
| <b>Reference (B251288-SRM1)</b>                |        |                 |           | Prepared & Analyzed: 05/14/25                            |               |      |              |       |           |       |
| pH                                             | 6.94   |                 | pH Units  | 7.00                                                     |               | 99.1 | 98.57-101.42 |       |           |       |
| <b>Batch B251355 - General Prep - Wet Chem</b> |        |                 |           |                                                          |               |      |              |       |           |       |
| <b>Blank (B251355-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 05/20/25                            |               |      |              |       |           |       |
| Total Dissolved Solids                         | ND     | 10.0            | mg/L      |                                                          |               |      |              |       |           |       |
| <b>Duplicate (B251355-DUP1)</b>                |        |                 |           | Source: 2505178-06 Prepared & Analyzed: 05/20/25         |               |      |              |       |           |       |
| Total Dissolved Solids                         | 530    | 10.0            | mg/L      |                                                          | 615           |      |              | 14.8  | 20        |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:42

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251355 - General Prep - Wet Chem (Continued)

##### Reference (B251355-SRM1)

Prepared & Analyzed: 05/20/25

|                        |     |      |      |     |      |        |
|------------------------|-----|------|------|-----|------|--------|
| Total Dissolved Solids | 355 | 10.0 | mg/L | 400 | 88.7 | 85-115 |
|------------------------|-----|------|------|-----|------|--------|

#### Batch B251359 - General Prep - Wet Chem

##### Blank (B251359-BLK1)

Prepared: 05/20/25 Analyzed: 05/21/25

|                                              |    |      |      |
|----------------------------------------------|----|------|------|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | ND | 10.0 | mg/L |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |
| Alkalinity, Total as CaCO <sub>3</sub>       | ND | 10.0 | mg/L |

##### LCS (B251359-BS1)

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |     |        |
|----------------------------------------|-----|------|------|-----|-----|--------|
| Alkalinity, Total as CaCO <sub>3</sub> | 106 | 10.0 | mg/L | 100 | 106 | 85-115 |
|----------------------------------------|-----|------|------|-----|-----|--------|

##### LCS Dup (B251359-BSD1)

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |     |        |       |    |
|----------------------------------------|-----|------|------|-----|-----|--------|-------|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 107 | 10.0 | mg/L | 100 | 107 | 85-115 | 0.939 | 20 |
|----------------------------------------|-----|------|------|-----|-----|--------|-------|----|

##### Matrix Spike (B251359-MS1)

Source: 2505157-01

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |     |      |        |
|----------------------------------------|-----|------|------|-----|-----|------|--------|
| Alkalinity, Total as CaCO <sub>3</sub> | 668 | 10.0 | mg/L | 100 | 576 | 92.0 | 80-120 |
|----------------------------------------|-----|------|------|-----|-----|------|--------|

##### Matrix Spike (B251359-MS2)

Source: 2505178-01

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |      |      |        |
|----------------------------------------|-----|------|------|-----|------|------|--------|
| Alkalinity, Total as CaCO <sub>3</sub> | 183 | 10.0 | mg/L | 100 | 86.0 | 97.0 | 80-120 |
|----------------------------------------|-----|------|------|-----|------|------|--------|

##### Matrix Spike Dup (B251359-MSD1)

Source: 2505157-01

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |     |      |        |       |    |
|----------------------------------------|-----|------|------|-----|-----|------|--------|-------|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 670 | 10.0 | mg/L | 100 | 576 | 94.0 | 80-120 | 0.299 | 20 |
|----------------------------------------|-----|------|------|-----|-----|------|--------|-------|----|

##### Matrix Spike Dup (B251359-MSD2)

Source: 2505178-01

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |      |      |        |       |    |
|----------------------------------------|-----|------|------|-----|------|------|--------|-------|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 184 | 10.0 | mg/L | 100 | 86.0 | 98.0 | 80-120 | 0.545 | 20 |
|----------------------------------------|-----|------|------|-----|------|------|--------|-------|----|

##### Reference (B251359-SRM1)

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |     |        |
|----------------------------------------|-----|------|------|-----|-----|--------|
| Alkalinity, Total as CaCO <sub>3</sub> | 101 | 10.0 | mg/L | 100 | 101 | 85-115 |
|----------------------------------------|-----|------|------|-----|-----|--------|

#### Batch B251363 - IC- Ion Chromatograph

##### Blank (B251363-BLK1)

Prepared & Analyzed: 05/21/25

|          |    |       |      |
|----------|----|-------|------|
| Chloride | ND | 1.00  | mg/L |
| Fluoride | ND | 0.100 | mg/L |
| Sulfate  | ND | 1.00  | mg/L |

##### LCS (B251363-BS1)

Prepared & Analyzed: 05/21/25

|          |      |       |      |      |      |        |
|----------|------|-------|------|------|------|--------|
| Chloride | 23.9 | 1.00  | mg/L | 25.0 | 95.5 | 90-110 |
| Fluoride | 2.42 | 0.100 | mg/L | 2.50 | 96.8 | 90-110 |
| Sulfate  | 23.5 | 1.00  | mg/L | 25.0 | 94.0 | 90-110 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:42

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251363 - IC- Ion Chromatograph (Continued)

##### LCS Dup (B251363-BSD1)

Prepared & Analyzed: 05/21/25

|          |      |       |      |      |  |      |        |      |    |  |
|----------|------|-------|------|------|--|------|--------|------|----|--|
| Chloride | 24.5 | 1.00  | mg/L | 25.0 |  | 98.1 | 90-110 | 2.70 | 20 |  |
| Fluoride | 2.49 | 0.100 | mg/L | 2.50 |  | 99.5 | 90-110 | 2.73 | 20 |  |
| Sulfate  | 24.2 | 1.00  | mg/L | 25.0 |  | 96.6 | 90-110 | 2.72 | 20 |  |

##### Matrix Spike (B251363-MS1)

Source: 2505208-01 Prepared: 05/21/25 Analyzed: 05/22/25

|          |      |       |      |      |       |      |        |  |  |  |
|----------|------|-------|------|------|-------|------|--------|--|--|--|
| Chloride | 30.5 | 1.00  | mg/L | 25.0 | 6.78  | 94.9 | 85-115 |  |  |  |
| Fluoride | 3.03 | 0.100 | mg/L | 2.50 | 0.670 | 94.2 | 85-115 |  |  |  |
| Sulfate  | 38.9 | 1.00  | mg/L | 25.0 | 15.4  | 94.2 | 85-115 |  |  |  |

##### Matrix Spike (B251363-MS2)

Source: 2505209-01 Prepared: 05/21/25 Analyzed: 05/22/25

|          |      |       |      |      |       |      |        |  |  |  |
|----------|------|-------|------|------|-------|------|--------|--|--|--|
| Chloride | 24.2 | 1.00  | mg/L | 25.0 | 0.746 | 93.8 | 85-115 |  |  |  |
| Fluoride | 2.53 | 0.100 | mg/L | 2.50 | 0.201 | 93.2 | 85-115 |  |  |  |
| Sulfate  | 59.3 | 1.00  | mg/L | 25.0 | 35.4  | 95.7 | 85-115 |  |  |  |

##### Matrix Spike Dup (B251363-MSD1)

Source: 2505208-01 Prepared: 05/21/25 Analyzed: 05/22/25

|          |      |       |      |      |       |      |        |      |    |  |
|----------|------|-------|------|------|-------|------|--------|------|----|--|
| Chloride | 31.2 | 1.00  | mg/L | 25.0 | 6.78  | 97.7 | 85-115 | 2.26 | 20 |  |
| Fluoride | 3.10 | 0.100 | mg/L | 2.50 | 0.670 | 97.1 | 85-115 | 2.35 | 20 |  |
| Sulfate  | 39.6 | 1.00  | mg/L | 25.0 | 15.4  | 97.1 | 85-115 | 1.88 | 20 |  |

##### Matrix Spike Dup (B251363-MSD2)

Source: 2505209-01 Prepared: 05/21/25 Analyzed: 05/22/25

|          |      |       |      |      |       |      |        |       |    |  |
|----------|------|-------|------|------|-------|------|--------|-------|----|--|
| Chloride | 24.8 | 1.00  | mg/L | 25.0 | 0.746 | 96.1 | 85-115 | 2.39  | 20 |  |
| Fluoride | 2.59 | 0.100 | mg/L | 2.50 | 0.201 | 95.7 | 85-115 | 2.38  | 20 |  |
| Sulfate  | 59.9 | 1.00  | mg/L | 25.0 | 35.4  | 97.8 | 85-115 | 0.886 | 20 |  |

#### Batch B251365 - General Prep - Wet Chem

##### Blank (B251365-BLK1)

Prepared & Analyzed: 05/21/25

|                      |    |       |      |  |  |  |  |  |  |  |
|----------------------|----|-------|------|--|--|--|--|--|--|--|
| Total Organic Carbon | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
|----------------------|----|-------|------|--|--|--|--|--|--|--|

##### LCS (B251365-BS1)

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |  |      |        |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|
| Total Organic Carbon | 9.78 | 0.500 | mg/L | 10.0 |  | 97.8 | 85-115 |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|

##### LCS Dup (B251365-BSD1)

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |  |      |        |       |    |  |
|----------------------|------|-------|------|------|--|------|--------|-------|----|--|
| Total Organic Carbon | 9.81 | 0.500 | mg/L | 10.0 |  | 98.1 | 85-115 | 0.306 | 20 |  |
|----------------------|------|-------|------|------|--|------|--------|-------|----|--|

##### Matrix Spike (B251365-MS1)

Source: 2505178-02 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 12.2 | 0.500 | mg/L | 10.0 | 3.06 | 91.6 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

##### Matrix Spike (B251365-MS2)

Source: 2505190-01 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 10.6 | 0.500 | mg/L | 10.0 | 1.18 | 94.1 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

##### Matrix Spike Dup (B251365-MSD1)

Source: 2505178-02 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |      |    |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|
| Total Organic Carbon | 12.6 | 0.500 | mg/L | 10.0 | 3.06 | 95.2 | 80-120 | 2.90 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:42

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251365 - General Prep - Wet Chem (Continued)

#### Matrix Spike Dup (B251365-MSD2)

Source: 2505190-01

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |      |    |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|
| Total Organic Carbon | 10.8 | 0.500 | mg/L | 10.0 | 1.18 | 96.1 | 80-120 | 1.87 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:42

### Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251354 - Dissolved ICP

##### Matrix Spike (B251354-MS1)

Source: 2505145-01 Prepared & Analyzed: 05/20/25

|           |      |       |      |      |      |      |        |  |  |    |
|-----------|------|-------|------|------|------|------|--------|--|--|----|
| Aluminum  | 3.84 | 0.050 | mg/L | 4.00 | ND   | 96.0 | 70-130 |  |  |    |
| Calcium   | 55.4 | 0.100 | mg/L | 4.00 | 55.2 | 5.71 | 70-130 |  |  | M3 |
| Iron      | 3.83 | 0.050 | mg/L | 4.00 | ND   | 95.7 | 70-130 |  |  |    |
| Magnesium | 31.7 | 0.100 | mg/L | 20.0 | 12.3 | 96.8 | 70-130 |  |  |    |
| Potassium | 22.4 | 1.00  | mg/L | 8.00 | 15.4 | 86.9 | 70-130 |  |  |    |
| Silicon   | 5.98 | 0.500 | mg/L | 4.00 | 2.00 | 99.5 | 70-130 |  |  |    |
| Sodium    | 54.5 | 1.00  | mg/L | 3.24 | 53.9 | 18.1 | 70-130 |  |  | M3 |

##### Matrix Spike (B251354-MS2)

Source: 2505196-01 Prepared & Analyzed: 05/20/25

|           |      |       |      |      |       |      |        |  |  |    |
|-----------|------|-------|------|------|-------|------|--------|--|--|----|
| Aluminum  | 3.83 | 0.050 | mg/L | 4.00 | ND    | 95.7 | 70-130 |  |  | B2 |
| Calcium   | 61.8 | 0.100 | mg/L | 4.00 | 62.4  | NR   | 70-130 |  |  | M3 |
| Iron      | 3.79 | 0.050 | mg/L | 4.00 | ND    | 94.9 | 70-130 |  |  |    |
| Magnesium | 37.5 | 0.100 | mg/L | 20.0 | 18.2  | 96.4 | 70-130 |  |  |    |
| Potassium | 10.6 | 1.00  | mg/L | 8.00 | 3.13  | 93.0 | 70-130 |  |  |    |
| Silicon   | 4.13 | 0.500 | mg/L | 4.00 | 0.215 | 97.9 | 70-130 |  |  |    |
| Sodium    | 20.1 | 1.00  | mg/L | 3.24 | 18.1  | 62.3 | 70-130 |  |  | M3 |

##### Matrix Spike Dup (B251354-MSD1)

Source: 2505145-01 Prepared & Analyzed: 05/20/25

|           |      |       |      |      |      |      |        |       |    |    |
|-----------|------|-------|------|------|------|------|--------|-------|----|----|
| Aluminum  | 3.74 | 0.250 | mg/L | 4.00 | ND   | 93.6 | 70-130 | 2.59  | 20 |    |
| Calcium   | 55.9 | 0.500 | mg/L | 4.00 | 55.2 | 18.0 | 70-130 | 0.880 | 20 | M3 |
| Iron      | 3.78 | 0.250 | mg/L | 4.00 | ND   | 94.5 | 70-130 | 1.28  | 20 |    |
| Magnesium | 31.4 | 0.500 | mg/L | 20.0 | 12.3 | 95.2 | 70-130 | 1.01  | 20 |    |
| Potassium | 22.5 | 5.00  | mg/L | 8.00 | 15.4 | 88.3 | 70-130 | 0.512 | 20 |    |
| Silicon   | 5.83 | 2.50  | mg/L | 4.00 | 2.00 | 95.7 | 70-130 | 2.57  | 20 |    |
| Sodium    | 54.8 | 5.00  | mg/L | 3.24 | 53.9 | 28.9 | 70-130 | 0.643 | 20 | M3 |

##### Matrix Spike Dup (B251354-MSD2)

Source: 2505196-01 Prepared & Analyzed: 05/20/25

|           |      |       |      |      |       |      |        |       |    |    |
|-----------|------|-------|------|------|-------|------|--------|-------|----|----|
| Aluminum  | 3.82 | 0.250 | mg/L | 4.00 | ND    | 95.4 | 70-130 | 0.317 | 20 | B2 |
| Calcium   | 61.1 | 0.500 | mg/L | 4.00 | 62.4  | NR   | 70-130 | 1.14  | 20 | M3 |
| Iron      | 3.69 | 0.250 | mg/L | 4.00 | ND    | 92.3 | 70-130 | 2.78  | 20 |    |
| Magnesium | 36.9 | 0.500 | mg/L | 20.0 | 18.2  | 93.1 | 70-130 | 1.78  | 20 |    |
| Potassium | 10.9 | 5.00  | mg/L | 8.00 | 3.13  | 97.0 | 70-130 | 2.92  | 20 |    |
| Silicon   | 3.93 | 2.50  | mg/L | 4.00 | 0.215 | 92.9 | 70-130 | 5.05  | 20 |    |
| Sodium    | 20.2 | 5.00  | mg/L | 3.24 | 18.1  | 64.5 | 70-130 | 0.362 | 20 | M3 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:42

### Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251348 - Dissolved ICPMS

##### Blank (B251348-BLK1)

Prepared & Analyzed: 05/20/25

|            |    |        |      |  |  |  |  |  |  |  |
|------------|----|--------|------|--|--|--|--|--|--|--|
| Arsenic    | ND | 0.0010 | mg/L |  |  |  |  |  |  |  |
| Cadmium    | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Copper     | ND | 0.0010 | mg/L |  |  |  |  |  |  |  |
| Lead       | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Manganese  | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Molybdenum | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Selenium   | ND | 0.0010 | mg/L |  |  |  |  |  |  |  |
| Uranium    | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Zinc       | ND | 0.0020 | mg/L |  |  |  |  |  |  |  |

##### LCS (B251348-BS1)

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |  |      |        |  |  |  |
|------------|--------|--------|------|--------|--|------|--------|--|--|--|
| Arsenic    | 0.0497 | 0.0010 | mg/L | 0.0500 |  | 99.4 | 85-115 |  |  |  |
| Cadmium    | 0.0490 | 0.0005 | mg/L | 0.0500 |  | 98.0 | 85-115 |  |  |  |
| Copper     | 0.0482 | 0.0010 | mg/L | 0.0500 |  | 96.3 | 85-115 |  |  |  |
| Lead       | 0.0487 | 0.0005 | mg/L | 0.0500 |  | 97.5 | 85-115 |  |  |  |
| Manganese  | 0.0495 | 0.0005 | mg/L | 0.0500 |  | 99.0 | 85-115 |  |  |  |
| Molybdenum | 0.0510 | 0.0005 | mg/L | 0.0500 |  | 102  | 85-115 |  |  |  |
| Selenium   | 0.240  | 0.0010 | mg/L | 0.250  |  | 95.8 | 85-115 |  |  |  |
| Uranium    | 0.0486 | 0.0005 | mg/L | 0.0500 |  | 97.2 | 85-115 |  |  |  |
| Zinc       | 0.0496 | 0.0020 | mg/L | 0.0500 |  | 99.2 | 85-115 |  |  |  |

##### LCS Dup (B251348-BSD1)

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |  |      |        |        |    |  |
|------------|--------|--------|------|--------|--|------|--------|--------|----|--|
| Arsenic    | 0.0494 | 0.0010 | mg/L | 0.0500 |  | 98.8 | 85-115 | 0.661  | 20 |  |
| Cadmium    | 0.0491 | 0.0005 | mg/L | 0.0500 |  | 98.2 | 85-115 | 0.239  | 20 |  |
| Copper     | 0.0480 | 0.0010 | mg/L | 0.0500 |  | 96.1 | 85-115 | 0.246  | 20 |  |
| Lead       | 0.0484 | 0.0005 | mg/L | 0.0500 |  | 96.9 | 85-115 | 0.633  | 20 |  |
| Manganese  | 0.0494 | 0.0005 | mg/L | 0.0500 |  | 98.9 | 85-115 | 0.0577 | 20 |  |
| Molybdenum | 0.0504 | 0.0005 | mg/L | 0.0500 |  | 101  | 85-115 | 1.11   | 20 |  |
| Selenium   | 0.239  | 0.0010 | mg/L | 0.250  |  | 95.7 | 85-115 | 0.162  | 20 |  |
| Uranium    | 0.0487 | 0.0005 | mg/L | 0.0500 |  | 97.4 | 85-115 | 0.175  | 20 |  |
| Zinc       | 0.0488 | 0.0020 | mg/L | 0.0500 |  | 97.6 | 85-115 | 1.64   | 20 |  |

##### Matrix Spike (B251348-MS1)

Source: 2505198-01

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |  |  |  |
|------------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Arsenic    | 0.0509 | 0.0010 | mg/L | 0.0500 | ND     | 102  | 70-130 |  |  |  |
| Cadmium    | 0.0486 | 0.0005 | mg/L | 0.0500 | ND     | 97.2 | 70-130 |  |  |  |
| Copper     | 0.0456 | 0.0010 | mg/L | 0.0500 | ND     | 91.2 | 70-130 |  |  |  |
| Lead       | 0.0386 | 0.0005 | mg/L | 0.0500 | ND     | 77.1 | 70-130 |  |  |  |
| Manganese  | 0.0478 | 0.0005 | mg/L | 0.0500 | 0.0011 | 93.4 | 70-130 |  |  |  |
| Molybdenum | 0.0493 | 0.0005 | mg/L | 0.0500 | 0.0006 | 97.4 | 70-130 |  |  |  |
| Selenium   | 0.262  | 0.0010 | mg/L | 0.250  | ND     | 105  | 70-130 |  |  |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:42

### Dissolved Metals by ICPMS - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251348 - Dissolved ICPMS (Continued)

##### Matrix Spike (B251348-MS1) (Continued)

Source: 2505198-01 Prepared & Analyzed: 05/20/25

|         |        |        |      |        |        |      |        |  |  |  |
|---------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Uranium | 0.0396 | 0.0005 | mg/L | 0.0500 | 0.0011 | 77.0 | 70-130 |  |  |  |
| Zinc    | 0.0517 | 0.0020 | mg/L | 0.0500 | 0.0012 | 101  | 70-130 |  |  |  |

##### Matrix Spike (B251348-MS2)

Source: 2505198-02 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |  |  |  |
|------------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Arsenic    | 0.0528 | 0.0010 | mg/L | 0.0500 | ND     | 106  | 70-130 |  |  |  |
| Cadmium    | 0.0509 | 0.0005 | mg/L | 0.0500 | ND     | 102  | 70-130 |  |  |  |
| Copper     | 0.0480 | 0.0010 | mg/L | 0.0500 | ND     | 96.0 | 70-130 |  |  |  |
| Lead       | 0.0478 | 0.0005 | mg/L | 0.0500 | ND     | 95.7 | 70-130 |  |  |  |
| Manganese  | 0.0507 | 0.0005 | mg/L | 0.0500 | 0.0012 | 99.0 | 70-130 |  |  |  |
| Molybdenum | 0.0520 | 0.0005 | mg/L | 0.0500 | 0.0006 | 103  | 70-130 |  |  |  |
| Selenium   | 0.276  | 0.0010 | mg/L | 0.250  | ND     | 110  | 70-130 |  |  |  |
| Uranium    | 0.0501 | 0.0005 | mg/L | 0.0500 | 0.0011 | 97.9 | 70-130 |  |  |  |
| Zinc       | 0.0541 | 0.0020 | mg/L | 0.0500 | 0.0009 | 106  | 70-130 |  |  |  |

##### Matrix Spike Dup (B251348-MSD1)

Source: 2505198-01 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |       |    |  |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|--|
| Arsenic    | 0.0525 | 0.0010 | mg/L | 0.0500 | ND     | 105  | 70-130 | 3.07  | 20 |  |
| Cadmium    | 0.0489 | 0.0005 | mg/L | 0.0500 | ND     | 97.8 | 70-130 | 0.670 | 20 |  |
| Copper     | 0.0454 | 0.0010 | mg/L | 0.0500 | ND     | 90.8 | 70-130 | 0.523 | 20 |  |
| Lead       | 0.0385 | 0.0005 | mg/L | 0.0500 | ND     | 76.9 | 70-130 | 0.208 | 20 |  |
| Manganese  | 0.0480 | 0.0005 | mg/L | 0.0500 | 0.0011 | 93.8 | 70-130 | 0.398 | 20 |  |
| Molybdenum | 0.0505 | 0.0005 | mg/L | 0.0500 | 0.0006 | 100  | 70-130 | 2.58  | 20 |  |
| Selenium   | 0.272  | 0.0010 | mg/L | 0.250  | ND     | 109  | 70-130 | 3.69  | 20 |  |
| Uranium    | 0.0394 | 0.0005 | mg/L | 0.0500 | 0.0011 | 76.5 | 70-130 | 0.591 | 20 |  |
| Zinc       | 0.0514 | 0.0020 | mg/L | 0.0500 | 0.0012 | 100  | 70-130 | 0.454 | 20 |  |

##### Matrix Spike Dup (B251348-MSD2)

Source: 2505198-02 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |       |    |  |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|--|
| Arsenic    | 0.0535 | 0.0010 | mg/L | 0.0500 | ND     | 107  | 70-130 | 1.33  | 20 |  |
| Cadmium    | 0.0513 | 0.0005 | mg/L | 0.0500 | ND     | 103  | 70-130 | 0.702 | 20 |  |
| Copper     | 0.0469 | 0.0010 | mg/L | 0.0500 | ND     | 93.8 | 70-130 | 2.25  | 20 |  |
| Lead       | 0.0481 | 0.0005 | mg/L | 0.0500 | ND     | 96.3 | 70-130 | 0.637 | 20 |  |
| Manganese  | 0.0503 | 0.0005 | mg/L | 0.0500 | 0.0012 | 98.3 | 70-130 | 0.713 | 20 |  |
| Molybdenum | 0.0524 | 0.0005 | mg/L | 0.0500 | 0.0006 | 103  | 70-130 | 0.656 | 20 |  |
| Selenium   | 0.280  | 0.0010 | mg/L | 0.250  | ND     | 112  | 70-130 | 1.39  | 20 |  |
| Uranium    | 0.0502 | 0.0005 | mg/L | 0.0500 | 0.0011 | 98.1 | 70-130 | 0.238 | 20 |  |
| Zinc       | 0.0532 | 0.0020 | mg/L | 0.0500 | 0.0009 | 105  | 70-130 | 1.70  | 20 |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:42

### Dissolved Mercury by CVAFS - Quality Control

| Analyte                                | Result | Reporting Limit | Units | Spike Level                                              | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|----------------------------------------|--------|-----------------|-------|----------------------------------------------------------|---------------|------|-------------|-------|-----------|-------|
| <b>Batch B251333 - EPA 245.7</b>       |        |                 |       |                                                          |               |      |             |       |           |       |
| <b>Blank (B251333-BLK1)</b>            |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25                    |               |      |             |       |           |       |
| Mercury                                | ND     | 100             | ng/L  |                                                          |               |      |             |       |           |       |
| <b>LCS (B251333-BS1)</b>               |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25                    |               |      |             |       |           |       |
| Mercury                                | 884    | 100             | ng/L  | 1000                                                     |               | 88.4 | 76-113      |       |           |       |
| <b>LCS Dup (B251333-BSD1)</b>          |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25                    |               |      |             |       |           |       |
| Mercury                                | 837    | 100             | ng/L  | 1000                                                     |               | 83.7 | 76-113      | 5.53  | 20        |       |
| <b>Matrix Spike (B251333-MS1)</b>      |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505141-01 Prepared: 05/19/25 Analyzed: 05/21/25 |               |      |             |       |           |       |
| Mercury                                | 920    | 100             | ng/L  | 1000                                                     | ND            | 92.0 | 63-111      |       |           |       |
| <b>Matrix Spike (B251333-MS2)</b>      |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505142-01 Prepared: 05/19/25 Analyzed: 05/21/25 |               |      |             |       |           |       |
| Mercury                                | 888    | 100             | ng/L  | 1000                                                     | ND            | 88.8 | 63-111      |       |           |       |
| <b>Matrix Spike Dup (B251333-MSD1)</b> |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505141-01 Prepared: 05/19/25 Analyzed: 05/21/25 |               |      |             |       |           |       |
| Mercury                                | 923    | 100             | ng/L  | 1000                                                     | ND            | 92.3 | 63-111      | 0.335 | 200       |       |
| <b>Matrix Spike Dup (B251333-MSD2)</b> |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505142-01 Prepared: 05/19/25 Analyzed: 05/21/25 |               |      |             |       |           |       |
| Mercury                                | 810    | 100             | ng/L  | 1000                                                     | ND            | 81.0 | 63-111      | 9.11  | 200       |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:42

### Notes and Definitions

|     |                                                                                                                                                                                                                    |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M3  | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B2  | Target analyte detected in continuing calibration blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the blank or less than the reporting limit. |
| DET | Analyte DETECTED                                                                                                                                                                                                   |
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                                                                               |
| NR  | Not Reported                                                                                                                                                                                                       |
| dry | Sample results reported on a dry weight basis<br>*Results reported on as received basis unless designated as dry.                                                                                                  |
| RPD | Relative Percent Difference                                                                                                                                                                                        |
| LCS | Laboratory Control Sample (Blank Spike)                                                                                                                                                                            |
| RL  | Report Limit                                                                                                                                                                                                       |
| MDL | Method Detection Limit                                                                                                                                                                                             |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:42

### Qualifier Summary

| <u>LabNumber</u> | <u>Analysis</u>           | <u>Analyte</u> | <u>Qualifier</u> | <u>TextBody</u>                                                                                                                                                                                                    |
|------------------|---------------------------|----------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B251354-MS1      | Calcium Dissolved by ICP  | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MS1      | Sodium Dissolved by ICP   | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MS2      | Aluminum Dissolved by ICP | Aluminum       | B2               | Target analyte detected in continuing calibration blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the blank or less than the reporting limit. |
| B251354-MS2      | Calcium Dissolved by ICP  | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MS2      | Sodium Dissolved by ICP   | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MSD1     | Calcium Dissolved by ICP  | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MSD1     | Sodium Dissolved by ICP   | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MSD2     | Aluminum Dissolved by ICP | Aluminum       | B2               | Target analyte detected in continuing calibration blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the blank or less than the reporting limit. |
| B251354-MSD2     | Calcium Dissolved by ICP  | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MSD2     | Sodium Dissolved by ICP   | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





Date/Initials of person  
examining contents: 5.13.25  
CBWLabeled by initials: \_\_\_\_\_  
(If different than above)

## SAMPLE CONDITION RECEIPT FORM

Client Name: GCC EnergyWork Order # 2505-191Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ OtherCustody Seals on Box/Cooler Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: \_\_\_\_\_Thermometer Used: #2 Samples on ice, cooling process has begun: ☒ Yes ☐ NoType of Ice: ☒ Wet ☐ Blue ☐ None Cooler Temp: Observed Temp: 4.8 °C Correction Factor: -0.9 °C Final Temp: 3.9 °C

\*Temp should be above freezing 6°C

Compliance: ☐ Yes ☒ No

|                                                                                     |                                                                                                  |                 |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------|
| Chain of Custody Filled Out:                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 1.              |
| COC Signed when Relinquished and Received:                                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 2.              |
| Sampler Name and Signature on COC:<br>*Required for compliance                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 3.              |
| Samples arrived within hold time:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 4.              |
| Correct Containers Used & Intact:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5.              |
| Short Hold Time Analysis (<72hr):                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 6. <u>PH</u>    |
| Rush Turn Around Time Requested:                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 7.              |
| Sufficient Volume:                                                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 8.              |
| pH's acceptable upon receipt, where applicable:<br>*Not including metals bottles    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9.              |
| Dissolved Testing Needed:                                                           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 10. <u>Diss</u> |
| Field Filtered: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                  |                 |
| Sample Labels match COC:<br>-Includes Date/Time/ID                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 11.             |
| Matrix: <u>WT</u> <u>SL</u> <u>OT</u>                                               |                                                                                                  |                 |
| Trip Blank Present:                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            | 12.             |
| Trip Blank Custody Seals Present:                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            |                 |
| VOA's meet headspace requirement (<6mm bubbles)                                     | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |                 |
| Non-Conformance(s):                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 13.             |

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
jeremy.allen@greenanalytical.com

29 May 2025

Michael Dickson  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: [none]

Enclosed are the results of analyses for samples received by the laboratory on 05/14/25 08:50. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, reading 'Jeremy D. Allen', is displayed on a light blue rectangular background.

Report Station For Jeremy D Allen  
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

# Table of Contents

|                                |    |
|--------------------------------|----|
| Samples in Report              | 3  |
| Sample Results                 | 4  |
| 2505192-01: MW-5-MI            | 4  |
| 2505192-02: MW-5-C             | 6  |
| Quality Assurance Results      | 8  |
| Notes and Definitions          | 16 |
| Qualifier Summary              | 17 |
| Chain of Custody & Attachments | 18 |





GCC Energy, LLC  
 6473 CR 120  
 Hesperus CO, 81326

Project: GCC GW Baseline  
 Project Name / Number: [none]  
 Project Manager: Michael Dickson

**Reported:**  
 05/29/25 17:38

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| MW-5-MI   | 2505192-01    | Water  | 05/13/25 12:06 | 05/14/25 08:50 |       |
| MW-5-C    | 2505192-02    | Water  | 05/13/25 12:43 | 05/14/25 08:50 |       |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:38

## MW-5-MI

**2505192-01 (Ground Water)**

**Sampled Date: 05/13/25 12:06**

**Sampled By: Brandon Waddell**

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

### General Chemistry

|                                                |        |       |        |           |   |                |                       |  |     |
|------------------------------------------------|--------|-------|--------|-----------|---|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 960    | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 120    | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 840    | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Cation/Anion Balance                           | -1.90  | -100  | -100   | %         | 1 | 05/29/25 17:27 | Calculation           |  | JDA |
| Chloride*                                      | 5.27   | 1.00  | 0.497  | mg/L      | 1 | 05/21/25 18:25 | EPA 300.0             |  | AWG |
| Fluoride*                                      | 0.207  | 0.100 | 0.0336 | mg/L      | 1 | 05/21/25 18:25 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007  | mg/L as N | 1 | 05/20/25 14:22 | EPA 353.2             |  | HIC |
| pH*                                            | 8.13   |       |        | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 21.4   |       |        | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | 5.95   | 1.00  | 0.563  | mg/L      | 1 | 05/21/25 18:25 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 820    | 10.0  |        | mg/L      | 1 | 05/20/25 16:29 | EPA 160.1/SM<br>2540C |  | AWG |
| Total Organic Carbon*                          | 2.16   | 0.500 | 0.220  | mg/L      | 1 | 05/21/25 21:00 | 5310C                 |  | AES |

### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178 | mg/L | 5 | 05/20/25 16:26 | EPA 200.7   |  | AWG |
| Calcium*                      | 2.58   | 0.500 | 0.362 | mg/L | 5 | 05/20/25 16:26 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 9.52   | 3.31  | 2.54  | mg/L | 5 | 05/20/25 16:26 | 2340 B      |  | AWG |
| Iron*                         | <0.250 | 0.250 | 0.173 | mg/L | 5 | 05/20/25 16:26 | EPA 200.7   |  | AWG |
| Magnesium*                    | 0.750  | 0.500 | 0.397 | mg/L | 5 | 05/20/25 16:26 | EPA 200.7   |  | AWG |
| Potassium*                    | <5.00  | 5.00  | 0.906 | mg/L | 5 | 05/20/25 16:26 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 8.49   | 5.35  | 0.104 | mg/L | 5 | 05/20/25 16:26 | Calculation |  | AWG |
| Silicon                       | 3.97   | 2.50  | 0.049 | mg/L | 5 | 05/20/25 16:26 | EPA 200.7   |  | AWG |
| Sodium*                       | 413    | 5.00  | 3.78  | mg/L | 5 | 05/20/25 16:26 | EPA 200.7   |  | AWG |

### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |           |  |     |
|-------------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Arsenic*    | 0.0095  | 0.0020 | 0.0008  | mg/L | 2 | 05/20/25 16:40 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 05/20/25 16:40 | EPA 200.8 |  | AES |
| Copper*     | 0.0174  | 0.0020 | 0.0015  | mg/L | 2 | 05/20/25 16:40 | EPA 200.8 |  | AES |
| Lead*       | <0.0010 | 0.0010 | 0.0002  | mg/L | 2 | 05/20/25 16:40 | EPA 200.8 |  | AES |
| Manganese*  | 0.0260  | 0.0010 | 0.0004  | mg/L | 2 | 05/20/25 16:40 | EPA 200.8 |  | AES |
| Molybdenum* | 0.0016  | 0.0010 | 0.00009 | mg/L | 2 | 05/20/25 16:40 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:38

### MW-5-MI

**2505192-01 (Ground Water)**

**Sampled Date: 05/13/25 12:06**

**Sampled By: Brandon Waddell**

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

#### **Dissolved Metals by ICPMS**

|                  |               |        |         |      |   |                |           |  |     |
|------------------|---------------|--------|---------|------|---|----------------|-----------|--|-----|
| <b>Selenium*</b> | <0.0020       | 0.0020 | 0.0007  | mg/L | 2 | 05/20/25 16:40 | EPA 200.8 |  | AES |
| <b>Uranium</b>   | <b>0.0048</b> | 0.0010 | 0.00005 | mg/L | 2 | 05/20/25 16:40 | EPA 200.8 |  | AES |
| <b>Zinc*</b>     | <b>0.0913</b> | 0.0040 | 0.0010  | mg/L | 2 | 05/20/25 16:40 | EPA 200.8 |  | AES |

#### **Dissolved Mercury by CVAFS**

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/21/25 15:58 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:38

## MW-5-C

**2505192-02 (Ground Water)**

**Sampled Date: 05/13/25 12:43**

**Sampled By: Brandon Waddell**

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

### General Chemistry

|                                                |        |       |       |           |   |                |                    |  |     |
|------------------------------------------------|--------|-------|-------|-----------|---|----------------|--------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 1840   | 10.0  | 5.55  | mg/L      | 5 | 05/21/25 15:00 | 2320 B             |  | JDA |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 5 | 05/21/25 15:00 | 2320 B             |  | JDA |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 5 | 05/21/25 15:00 | 2320 B             |  | JDA |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 1840   | 10.0  | 5.55  | mg/L      | 5 | 05/21/25 15:00 | 2320 B             |  | JDA |
| Cation/Anion Balance                           | -3.14  | -100  | -100  | %         | 1 | 05/29/25 17:27 | Calculation        |  | JDA |
| Chloride*                                      | <5.00  | 5.00  | 2.49  | mg/L      | 5 | 05/21/25 18:50 | EPA 300.0          |  | AWG |
| Fluoride*                                      | 2.27   | 0.500 | 0.168 | mg/L      | 5 | 05/21/25 18:50 | EPA 300.0          |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007 | mg/L as N | 1 | 05/20/25 14:23 | EPA 353.2          |  | HIC |
| pH*                                            | 7.58   |       |       | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C    |  | HIC |
| pH Temperature, degrees C                      | 21.9   |       |       | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C    |  | HIC |
| Sulfate*                                       | 515    | 5.00  | 2.81  | mg/L      | 5 | 05/21/25 18:50 | EPA 300.0          |  | AWG |
| Total Dissolved Solids*                        | 2580   | 10.0  |       | mg/L      | 1 | 05/20/25 16:31 | EPA 160.1/SM 2540C |  | AWG |
| Total Organic Carbon*                          | 1.81   | 0.500 | 0.220 | mg/L      | 1 | 05/21/25 21:25 | 5310C              |  | AES |

### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178 | mg/L | 5 | 05/20/25 16:28 | EPA 200.7   |  | AWG |
| Calcium*                      | 9.28   | 0.500 | 0.362 | mg/L | 5 | 05/20/25 16:28 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 38.1   | 3.31  | 2.54  | mg/L | 5 | 05/20/25 16:28 | 2340 B      |  | AWG |
| Iron*                         | <0.250 | 0.250 | 0.173 | mg/L | 5 | 05/20/25 16:28 | EPA 200.7   |  | AWG |
| Magnesium*                    | 3.63   | 0.500 | 0.397 | mg/L | 5 | 05/20/25 16:28 | EPA 200.7   |  | AWG |
| Potassium*                    | <5.00  | 5.00  | 0.906 | mg/L | 5 | 05/20/25 16:28 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 7.77   | 5.35  | 0.104 | mg/L | 5 | 05/20/25 16:28 | Calculation |  | AWG |
| Silicon                       | 3.63   | 2.50  | 0.049 | mg/L | 5 | 05/20/25 16:28 | EPA 200.7   |  | AWG |
| Sodium*                       | 1000   | 5.00  | 3.78  | mg/L | 5 | 05/20/25 16:28 | EPA 200.7   |  | AWG |

### Dissolved Metals by ICPMS

|             |         |        |        |      |   |                |           |  |     |
|-------------|---------|--------|--------|------|---|----------------|-----------|--|-----|
| Arsenic*    | <0.0050 | 0.0050 | 0.0020 | mg/L | 5 | 05/20/25 16:42 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0025 | 0.0025 | 0.0002 | mg/L | 5 | 05/20/25 16:42 | EPA 200.8 |  | AES |
| Copper*     | 0.0368  | 0.0050 | 0.0036 | mg/L | 5 | 05/20/25 16:42 | EPA 200.8 |  | AES |
| Lead*       | <0.0025 | 0.0025 | 0.0006 | mg/L | 5 | 05/20/25 16:42 | EPA 200.8 |  | AES |
| Manganese*  | 0.0110  | 0.0025 | 0.0009 | mg/L | 5 | 05/20/25 16:42 | EPA 200.8 |  | AES |
| Molybdenum* | <0.0025 | 0.0025 | 0.0002 | mg/L | 5 | 05/20/25 16:42 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:38

### MW-5-C

**2505192-02 (Ground Water)**

**Sampled Date: 05/13/25 12:43**

**Sampled By: Brandon Waddell**

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

#### Dissolved Metals by ICPMS

|                  |               |        |        |      |   |                |           |  |     |
|------------------|---------------|--------|--------|------|---|----------------|-----------|--|-----|
| <b>Selenium*</b> | <0.0050       | 0.0050 | 0.0019 | mg/L | 5 | 05/20/25 16:42 | EPA 200.8 |  | AES |
| <b>Uranium</b>   | <0.0025       | 0.0025 | 0.0001 | mg/L | 5 | 05/20/25 16:42 | EPA 200.8 |  | AES |
| <b>Zinc*</b>     | <b>0.0181</b> | 0.0100 | 0.0024 | mg/L | 5 | 05/20/25 16:42 | EPA 200.8 |  | AES |

#### Dissolved Mercury by CVAFS

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/21/25 16:01 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:38

### General Chemistry - Quality Control

| Analyte                                        | Result | Reporting Limit | Units     | Spike Level                                              | Source Result | %REC | %REC Limits  | RPD   | RPD Limit | Notes |
|------------------------------------------------|--------|-----------------|-----------|----------------------------------------------------------|---------------|------|--------------|-------|-----------|-------|
| <b>Batch B251286 - Lachat</b>                  |        |                 |           |                                                          |               |      |              |       |           |       |
| <b>Blank (B251286-BLK1)</b>                    |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | ND     | 0.020           | mg/L as N |                                                          |               |      |              |       |           |       |
| <b>LCS (B251286-BS1)</b>                       |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.01   | 0.020           | mg/L as N | 1.00                                                     |               | 101  | 90-110       |       |           |       |
| <b>LCS Dup (B251286-BSD1)</b>                  |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.01   | 0.020           | mg/L as N | 1.00                                                     |               | 101  | 90-110       | 0.198 | 20        |       |
| <b>Matrix Spike (B251286-MS1)</b>              |        |                 |           | Source: 2505177-01 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 0.966  | 0.020           | mg/L as N | 1.00                                                     | ND            | 96.6 | 90-110       |       |           |       |
| <b>Matrix Spike (B251286-MS2)</b>              |        |                 |           | Source: 2505177-02 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.03   | 0.020           | mg/L as N | 1.00                                                     | ND            | 103  | 90-110       |       |           |       |
| <b>Matrix Spike Dup (B251286-MSD1)</b>         |        |                 |           | Source: 2505177-01 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 0.977  | 0.020           | mg/L as N | 1.00                                                     | ND            | 97.7 | 90-110       | 1.12  | 20        |       |
| <b>Matrix Spike Dup (B251286-MSD2)</b>         |        |                 |           | Source: 2505177-02 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.04   | 0.020           | mg/L as N | 1.00                                                     | ND            | 104  | 90-110       | 0.581 | 20        |       |
| <b>Batch B251288 - General Prep - Wet Chem</b> |        |                 |           |                                                          |               |      |              |       |           |       |
| <b>Duplicate (B251288-DUP1)</b>                |        |                 |           | Source: 2505148-01 Prepared & Analyzed: 05/14/25         |               |      |              |       |           |       |
| pH                                             | 7.70   |                 | pH Units  |                                                          | 7.66          |      |              | 0.521 | 20        |       |
| pH Temperature, degrees C                      | 20.6   |                 | pH Units  |                                                          | 21.1          |      |              | 2.40  | 200       |       |
| <b>Duplicate (B251288-DUP2)</b>                |        |                 |           | Source: 2505157-01 Prepared & Analyzed: 05/14/25         |               |      |              |       |           |       |
| pH                                             | 7.52   |                 | pH Units  |                                                          | 7.52          |      |              | 0.00  | 20        |       |
| pH Temperature, degrees C                      | 20.4   |                 | pH Units  |                                                          | 20.4          |      |              | 0.00  | 200       |       |
| <b>Reference (B251288-SRM1)</b>                |        |                 |           | Prepared & Analyzed: 05/14/25                            |               |      |              |       |           |       |
| pH                                             | 6.94   |                 | pH Units  | 7.00                                                     |               | 99.1 | 98.57-101.42 |       |           |       |
| <b>Batch B251355 - General Prep - Wet Chem</b> |        |                 |           |                                                          |               |      |              |       |           |       |
| <b>Blank (B251355-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 05/20/25                            |               |      |              |       |           |       |
| Total Dissolved Solids                         | ND     | 10.0            | mg/L      |                                                          |               |      |              |       |           |       |
| <b>Duplicate (B251355-DUP1)</b>                |        |                 |           | Source: 2505178-06 Prepared & Analyzed: 05/20/25         |               |      |              |       |           |       |
| Total Dissolved Solids                         | 530    | 10.0            | mg/L      |                                                          | 615           |      |              | 14.8  | 20        |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:38

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251355 - General Prep - Wet Chem (Continued)

##### Reference (B251355-SRM1)

Prepared & Analyzed: 05/20/25

|                        |     |      |      |     |  |      |        |  |  |  |
|------------------------|-----|------|------|-----|--|------|--------|--|--|--|
| Total Dissolved Solids | 355 | 10.0 | mg/L | 400 |  | 88.7 | 85-115 |  |  |  |
|------------------------|-----|------|------|-----|--|------|--------|--|--|--|

#### Batch B251359 - General Prep - Wet Chem

##### Blank (B251359-BLK1)

Prepared: 05/20/25 Analyzed: 05/21/25

|                                              |    |      |      |  |  |  |  |  |  |  |
|----------------------------------------------|----|------|------|--|--|--|--|--|--|--|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | ND | 10.0 | mg/L |  |  |  |  |  |  |  |

##### LCS (B251359-BS1)

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |  |     |        |  |  |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 106 | 10.0 | mg/L | 100 |  | 106 | 85-115 |  |  |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|

##### LCS Dup (B251359-BSD1)

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |  |     |        |       |    |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|-------|----|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 107 | 10.0 | mg/L | 100 |  | 107 | 85-115 | 0.939 | 20 |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|-------|----|--|

##### Matrix Spike (B251359-MS1)

Source: 2505157-01

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |     |      |        |  |  |  |
|----------------------------------------|-----|------|------|-----|-----|------|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 668 | 10.0 | mg/L | 100 | 576 | 92.0 | 80-120 |  |  |  |
|----------------------------------------|-----|------|------|-----|-----|------|--------|--|--|--|

##### Matrix Spike (B251359-MS2)

Source: 2505178-01

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |      |      |        |  |  |  |
|----------------------------------------|-----|------|------|-----|------|------|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 183 | 10.0 | mg/L | 100 | 86.0 | 97.0 | 80-120 |  |  |  |
|----------------------------------------|-----|------|------|-----|------|------|--------|--|--|--|

##### Matrix Spike Dup (B251359-MSD1)

Source: 2505157-01

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |     |      |        |       |    |  |
|----------------------------------------|-----|------|------|-----|-----|------|--------|-------|----|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 670 | 10.0 | mg/L | 100 | 576 | 94.0 | 80-120 | 0.299 | 20 |  |
|----------------------------------------|-----|------|------|-----|-----|------|--------|-------|----|--|

##### Matrix Spike Dup (B251359-MSD2)

Source: 2505178-01

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |      |      |        |       |    |  |
|----------------------------------------|-----|------|------|-----|------|------|--------|-------|----|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 184 | 10.0 | mg/L | 100 | 86.0 | 98.0 | 80-120 | 0.545 | 20 |  |
|----------------------------------------|-----|------|------|-----|------|------|--------|-------|----|--|

##### Reference (B251359-SRM1)

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |  |     |        |  |  |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 101 | 10.0 | mg/L | 100 |  | 101 | 85-115 |  |  |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|

#### Batch B251363 - IC- Ion Chromatograph

##### Blank (B251363-BLK1)

Prepared & Analyzed: 05/21/25

|          |    |       |      |  |  |  |  |  |  |  |
|----------|----|-------|------|--|--|--|--|--|--|--|
| Chloride | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Fluoride | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Sulfate  | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251363-BS1)

Prepared & Analyzed: 05/21/25

|          |      |       |      |      |  |      |        |  |  |  |
|----------|------|-------|------|------|--|------|--------|--|--|--|
| Chloride | 23.9 | 1.00  | mg/L | 25.0 |  | 95.5 | 90-110 |  |  |  |
| Fluoride | 2.42 | 0.100 | mg/L | 2.50 |  | 96.8 | 90-110 |  |  |  |
| Sulfate  | 23.5 | 1.00  | mg/L | 25.0 |  | 94.0 | 90-110 |  |  |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:38

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251363 - IC- Ion Chromatograph (Continued)

##### LCS Dup (B251363-BSD1)

Prepared & Analyzed: 05/21/25

|          |      |       |      |      |  |      |        |      |    |  |
|----------|------|-------|------|------|--|------|--------|------|----|--|
| Chloride | 24.5 | 1.00  | mg/L | 25.0 |  | 98.1 | 90-110 | 2.70 | 20 |  |
| Fluoride | 2.49 | 0.100 | mg/L | 2.50 |  | 99.5 | 90-110 | 2.73 | 20 |  |
| Sulfate  | 24.2 | 1.00  | mg/L | 25.0 |  | 96.6 | 90-110 | 2.72 | 20 |  |

##### Matrix Spike (B251363-MS1)

Source: 2505208-01 Prepared: 05/21/25 Analyzed: 05/22/25

|          |      |       |      |      |       |      |        |  |  |  |
|----------|------|-------|------|------|-------|------|--------|--|--|--|
| Chloride | 30.5 | 1.00  | mg/L | 25.0 | 6.78  | 94.9 | 85-115 |  |  |  |
| Fluoride | 3.03 | 0.100 | mg/L | 2.50 | 0.670 | 94.2 | 85-115 |  |  |  |
| Sulfate  | 38.9 | 1.00  | mg/L | 25.0 | 15.4  | 94.2 | 85-115 |  |  |  |

##### Matrix Spike (B251363-MS2)

Source: 2505209-01 Prepared: 05/21/25 Analyzed: 05/22/25

|          |      |       |      |      |       |      |        |  |  |  |
|----------|------|-------|------|------|-------|------|--------|--|--|--|
| Chloride | 24.2 | 1.00  | mg/L | 25.0 | 0.746 | 93.8 | 85-115 |  |  |  |
| Fluoride | 2.53 | 0.100 | mg/L | 2.50 | 0.201 | 93.2 | 85-115 |  |  |  |
| Sulfate  | 59.3 | 1.00  | mg/L | 25.0 | 35.4  | 95.7 | 85-115 |  |  |  |

##### Matrix Spike Dup (B251363-MSD1)

Source: 2505208-01 Prepared: 05/21/25 Analyzed: 05/22/25

|          |      |       |      |      |       |      |        |      |    |  |
|----------|------|-------|------|------|-------|------|--------|------|----|--|
| Chloride | 31.2 | 1.00  | mg/L | 25.0 | 6.78  | 97.7 | 85-115 | 2.26 | 20 |  |
| Fluoride | 3.10 | 0.100 | mg/L | 2.50 | 0.670 | 97.1 | 85-115 | 2.35 | 20 |  |
| Sulfate  | 39.6 | 1.00  | mg/L | 25.0 | 15.4  | 97.1 | 85-115 | 1.88 | 20 |  |

##### Matrix Spike Dup (B251363-MSD2)

Source: 2505209-01 Prepared: 05/21/25 Analyzed: 05/22/25

|          |      |       |      |      |       |      |        |       |    |  |
|----------|------|-------|------|------|-------|------|--------|-------|----|--|
| Chloride | 24.8 | 1.00  | mg/L | 25.0 | 0.746 | 96.1 | 85-115 | 2.39  | 20 |  |
| Fluoride | 2.59 | 0.100 | mg/L | 2.50 | 0.201 | 95.7 | 85-115 | 2.38  | 20 |  |
| Sulfate  | 59.9 | 1.00  | mg/L | 25.0 | 35.4  | 97.8 | 85-115 | 0.886 | 20 |  |

#### Batch B251365 - General Prep - Wet Chem

##### Blank (B251365-BLK1)

Prepared & Analyzed: 05/21/25

|                      |    |       |      |  |  |  |  |  |  |  |
|----------------------|----|-------|------|--|--|--|--|--|--|--|
| Total Organic Carbon | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
|----------------------|----|-------|------|--|--|--|--|--|--|--|

##### LCS (B251365-BS1)

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |  |      |        |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|
| Total Organic Carbon | 9.78 | 0.500 | mg/L | 10.0 |  | 97.8 | 85-115 |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|

##### LCS Dup (B251365-BSD1)

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |  |      |        |       |    |  |
|----------------------|------|-------|------|------|--|------|--------|-------|----|--|
| Total Organic Carbon | 9.81 | 0.500 | mg/L | 10.0 |  | 98.1 | 85-115 | 0.306 | 20 |  |
|----------------------|------|-------|------|------|--|------|--------|-------|----|--|

##### Matrix Spike (B251365-MS1)

Source: 2505178-02 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 12.2 | 0.500 | mg/L | 10.0 | 3.06 | 91.6 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

##### Matrix Spike (B251365-MS2)

Source: 2505190-01 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 10.6 | 0.500 | mg/L | 10.0 | 1.18 | 94.1 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

##### Matrix Spike Dup (B251365-MSD1)

Source: 2505178-02 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |      |    |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|
| Total Organic Carbon | 12.6 | 0.500 | mg/L | 10.0 | 3.06 | 95.2 | 80-120 | 2.90 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:38

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251365 - General Prep - Wet Chem (Continued)

#### Matrix Spike Dup (B251365-MSD2)

Source: 2505190-01

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |      |    |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|
| Total Organic Carbon | 10.8 | 0.500 | mg/L | 10.0 | 1.18 | 96.1 | 80-120 | 1.87 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:38

### Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251354 - Dissolved ICP

| Matrix Spike (B251354-MS1) |      | Source: 2505145-01 |      | Prepared & Analyzed: 05/20/25 |      |      |        |  |  |    |
|----------------------------|------|--------------------|------|-------------------------------|------|------|--------|--|--|----|
| Aluminum                   | 3.84 | 0.050              | mg/L | 4.00                          | ND   | 96.0 | 70-130 |  |  |    |
| Calcium                    | 55.4 | 0.100              | mg/L | 4.00                          | 55.2 | 5.71 | 70-130 |  |  | M3 |
| Iron                       | 3.83 | 0.050              | mg/L | 4.00                          | ND   | 95.7 | 70-130 |  |  |    |
| Magnesium                  | 31.7 | 0.100              | mg/L | 20.0                          | 12.3 | 96.8 | 70-130 |  |  |    |
| Potassium                  | 22.4 | 1.00               | mg/L | 8.00                          | 15.4 | 86.9 | 70-130 |  |  |    |
| Silicon                    | 5.98 | 0.500              | mg/L | 4.00                          | 2.00 | 99.5 | 70-130 |  |  |    |
| Sodium                     | 54.5 | 1.00               | mg/L | 3.24                          | 53.9 | 18.1 | 70-130 |  |  | M3 |

| Matrix Spike (B251354-MS2) |      | Source: 2505196-01 |      | Prepared & Analyzed: 05/20/25 |       |      |        |  |  |    |
|----------------------------|------|--------------------|------|-------------------------------|-------|------|--------|--|--|----|
| Aluminum                   | 3.83 | 0.050              | mg/L | 4.00                          | ND    | 95.7 | 70-130 |  |  | B2 |
| Calcium                    | 61.8 | 0.100              | mg/L | 4.00                          | 62.4  | NR   | 70-130 |  |  | M3 |
| Iron                       | 3.79 | 0.050              | mg/L | 4.00                          | ND    | 94.9 | 70-130 |  |  |    |
| Magnesium                  | 37.5 | 0.100              | mg/L | 20.0                          | 18.2  | 96.4 | 70-130 |  |  |    |
| Potassium                  | 10.6 | 1.00               | mg/L | 8.00                          | 3.13  | 93.0 | 70-130 |  |  |    |
| Silicon                    | 4.13 | 0.500              | mg/L | 4.00                          | 0.215 | 97.9 | 70-130 |  |  |    |
| Sodium                     | 20.1 | 1.00               | mg/L | 3.24                          | 18.1  | 62.3 | 70-130 |  |  | M3 |

| Matrix Spike Dup (B251354-MSD1) |      | Source: 2505145-01 |      | Prepared & Analyzed: 05/20/25 |      |      |        |       |    |    |
|---------------------------------|------|--------------------|------|-------------------------------|------|------|--------|-------|----|----|
| Aluminum                        | 3.74 | 0.250              | mg/L | 4.00                          | ND   | 93.6 | 70-130 | 2.59  | 20 |    |
| Calcium                         | 55.9 | 0.500              | mg/L | 4.00                          | 55.2 | 18.0 | 70-130 | 0.880 | 20 | M3 |
| Iron                            | 3.78 | 0.250              | mg/L | 4.00                          | ND   | 94.5 | 70-130 | 1.28  | 20 |    |
| Magnesium                       | 31.4 | 0.500              | mg/L | 20.0                          | 12.3 | 95.2 | 70-130 | 1.01  | 20 |    |
| Potassium                       | 22.5 | 5.00               | mg/L | 8.00                          | 15.4 | 88.3 | 70-130 | 0.512 | 20 |    |
| Silicon                         | 5.83 | 2.50               | mg/L | 4.00                          | 2.00 | 95.7 | 70-130 | 2.57  | 20 |    |
| Sodium                          | 54.8 | 5.00               | mg/L | 3.24                          | 53.9 | 28.9 | 70-130 | 0.643 | 20 | M3 |

| Matrix Spike Dup (B251354-MSD2) |      | Source: 2505196-01 |      | Prepared & Analyzed: 05/20/25 |       |      |        |       |    |    |
|---------------------------------|------|--------------------|------|-------------------------------|-------|------|--------|-------|----|----|
| Aluminum                        | 3.82 | 0.250              | mg/L | 4.00                          | ND    | 95.4 | 70-130 | 0.317 | 20 | B2 |
| Calcium                         | 61.1 | 0.500              | mg/L | 4.00                          | 62.4  | NR   | 70-130 | 1.14  | 20 | M3 |
| Iron                            | 3.69 | 0.250              | mg/L | 4.00                          | ND    | 92.3 | 70-130 | 2.78  | 20 |    |
| Magnesium                       | 36.9 | 0.500              | mg/L | 20.0                          | 18.2  | 93.1 | 70-130 | 1.78  | 20 |    |
| Potassium                       | 10.9 | 5.00               | mg/L | 8.00                          | 3.13  | 97.0 | 70-130 | 2.92  | 20 |    |
| Silicon                         | 3.93 | 2.50               | mg/L | 4.00                          | 0.215 | 92.9 | 70-130 | 5.05  | 20 |    |
| Sodium                          | 20.2 | 5.00               | mg/L | 3.24                          | 18.1  | 64.5 | 70-130 | 0.362 | 20 | M3 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:38

### Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251348 - Dissolved ICPMS

##### Blank (B251348-BLK1)

Prepared & Analyzed: 05/20/25

|            |    |        |      |  |  |  |  |  |  |  |
|------------|----|--------|------|--|--|--|--|--|--|--|
| Arsenic    | ND | 0.0010 | mg/L |  |  |  |  |  |  |  |
| Cadmium    | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Copper     | ND | 0.0010 | mg/L |  |  |  |  |  |  |  |
| Lead       | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Manganese  | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Molybdenum | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Selenium   | ND | 0.0010 | mg/L |  |  |  |  |  |  |  |
| Uranium    | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Zinc       | ND | 0.0020 | mg/L |  |  |  |  |  |  |  |

##### LCS (B251348-BS1)

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |  |      |        |  |  |  |
|------------|--------|--------|------|--------|--|------|--------|--|--|--|
| Arsenic    | 0.0497 | 0.0010 | mg/L | 0.0500 |  | 99.4 | 85-115 |  |  |  |
| Cadmium    | 0.0490 | 0.0005 | mg/L | 0.0500 |  | 98.0 | 85-115 |  |  |  |
| Copper     | 0.0482 | 0.0010 | mg/L | 0.0500 |  | 96.3 | 85-115 |  |  |  |
| Lead       | 0.0487 | 0.0005 | mg/L | 0.0500 |  | 97.5 | 85-115 |  |  |  |
| Manganese  | 0.0495 | 0.0005 | mg/L | 0.0500 |  | 99.0 | 85-115 |  |  |  |
| Molybdenum | 0.0510 | 0.0005 | mg/L | 0.0500 |  | 102  | 85-115 |  |  |  |
| Selenium   | 0.240  | 0.0010 | mg/L | 0.250  |  | 95.8 | 85-115 |  |  |  |
| Uranium    | 0.0486 | 0.0005 | mg/L | 0.0500 |  | 97.2 | 85-115 |  |  |  |
| Zinc       | 0.0496 | 0.0020 | mg/L | 0.0500 |  | 99.2 | 85-115 |  |  |  |

##### LCS Dup (B251348-BSD1)

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |  |      |        |        |    |  |
|------------|--------|--------|------|--------|--|------|--------|--------|----|--|
| Arsenic    | 0.0494 | 0.0010 | mg/L | 0.0500 |  | 98.8 | 85-115 | 0.661  | 20 |  |
| Cadmium    | 0.0491 | 0.0005 | mg/L | 0.0500 |  | 98.2 | 85-115 | 0.239  | 20 |  |
| Copper     | 0.0480 | 0.0010 | mg/L | 0.0500 |  | 96.1 | 85-115 | 0.246  | 20 |  |
| Lead       | 0.0484 | 0.0005 | mg/L | 0.0500 |  | 96.9 | 85-115 | 0.633  | 20 |  |
| Manganese  | 0.0494 | 0.0005 | mg/L | 0.0500 |  | 98.9 | 85-115 | 0.0577 | 20 |  |
| Molybdenum | 0.0504 | 0.0005 | mg/L | 0.0500 |  | 101  | 85-115 | 1.11   | 20 |  |
| Selenium   | 0.239  | 0.0010 | mg/L | 0.250  |  | 95.7 | 85-115 | 0.162  | 20 |  |
| Uranium    | 0.0487 | 0.0005 | mg/L | 0.0500 |  | 97.4 | 85-115 | 0.175  | 20 |  |
| Zinc       | 0.0488 | 0.0020 | mg/L | 0.0500 |  | 97.6 | 85-115 | 1.64   | 20 |  |

##### Matrix Spike (B251348-MS1)

Source: 2505198-01

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |  |  |  |
|------------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Arsenic    | 0.0509 | 0.0010 | mg/L | 0.0500 | ND     | 102  | 70-130 |  |  |  |
| Cadmium    | 0.0486 | 0.0005 | mg/L | 0.0500 | ND     | 97.2 | 70-130 |  |  |  |
| Copper     | 0.0456 | 0.0010 | mg/L | 0.0500 | ND     | 91.2 | 70-130 |  |  |  |
| Lead       | 0.0386 | 0.0005 | mg/L | 0.0500 | ND     | 77.1 | 70-130 |  |  |  |
| Manganese  | 0.0478 | 0.0005 | mg/L | 0.0500 | 0.0011 | 93.4 | 70-130 |  |  |  |
| Molybdenum | 0.0493 | 0.0005 | mg/L | 0.0500 | 0.0006 | 97.4 | 70-130 |  |  |  |
| Selenium   | 0.262  | 0.0010 | mg/L | 0.250  | ND     | 105  | 70-130 |  |  |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:38

### Dissolved Metals by ICPMS - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251348 - Dissolved ICPMS (Continued)

##### Matrix Spike (B251348-MS1) (Continued)

Source: 2505198-01 Prepared & Analyzed: 05/20/25

|         |        |        |      |        |        |      |        |  |  |  |
|---------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Uranium | 0.0396 | 0.0005 | mg/L | 0.0500 | 0.0011 | 77.0 | 70-130 |  |  |  |
| Zinc    | 0.0517 | 0.0020 | mg/L | 0.0500 | 0.0012 | 101  | 70-130 |  |  |  |

##### Matrix Spike (B251348-MS2)

Source: 2505198-02 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |  |  |  |
|------------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Arsenic    | 0.0528 | 0.0010 | mg/L | 0.0500 | ND     | 106  | 70-130 |  |  |  |
| Cadmium    | 0.0509 | 0.0005 | mg/L | 0.0500 | ND     | 102  | 70-130 |  |  |  |
| Copper     | 0.0480 | 0.0010 | mg/L | 0.0500 | ND     | 96.0 | 70-130 |  |  |  |
| Lead       | 0.0478 | 0.0005 | mg/L | 0.0500 | ND     | 95.7 | 70-130 |  |  |  |
| Manganese  | 0.0507 | 0.0005 | mg/L | 0.0500 | 0.0012 | 99.0 | 70-130 |  |  |  |
| Molybdenum | 0.0520 | 0.0005 | mg/L | 0.0500 | 0.0006 | 103  | 70-130 |  |  |  |
| Selenium   | 0.276  | 0.0010 | mg/L | 0.250  | ND     | 110  | 70-130 |  |  |  |
| Uranium    | 0.0501 | 0.0005 | mg/L | 0.0500 | 0.0011 | 97.9 | 70-130 |  |  |  |
| Zinc       | 0.0541 | 0.0020 | mg/L | 0.0500 | 0.0009 | 106  | 70-130 |  |  |  |

##### Matrix Spike Dup (B251348-MSD1)

Source: 2505198-01 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |       |    |  |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|--|
| Arsenic    | 0.0525 | 0.0010 | mg/L | 0.0500 | ND     | 105  | 70-130 | 3.07  | 20 |  |
| Cadmium    | 0.0489 | 0.0005 | mg/L | 0.0500 | ND     | 97.8 | 70-130 | 0.670 | 20 |  |
| Copper     | 0.0454 | 0.0010 | mg/L | 0.0500 | ND     | 90.8 | 70-130 | 0.523 | 20 |  |
| Lead       | 0.0385 | 0.0005 | mg/L | 0.0500 | ND     | 76.9 | 70-130 | 0.208 | 20 |  |
| Manganese  | 0.0480 | 0.0005 | mg/L | 0.0500 | 0.0011 | 93.8 | 70-130 | 0.398 | 20 |  |
| Molybdenum | 0.0505 | 0.0005 | mg/L | 0.0500 | 0.0006 | 100  | 70-130 | 2.58  | 20 |  |
| Selenium   | 0.272  | 0.0010 | mg/L | 0.250  | ND     | 109  | 70-130 | 3.69  | 20 |  |
| Uranium    | 0.0394 | 0.0005 | mg/L | 0.0500 | 0.0011 | 76.5 | 70-130 | 0.591 | 20 |  |
| Zinc       | 0.0514 | 0.0020 | mg/L | 0.0500 | 0.0012 | 100  | 70-130 | 0.454 | 20 |  |

##### Matrix Spike Dup (B251348-MSD2)

Source: 2505198-02 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |       |    |  |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|--|
| Arsenic    | 0.0535 | 0.0010 | mg/L | 0.0500 | ND     | 107  | 70-130 | 1.33  | 20 |  |
| Cadmium    | 0.0513 | 0.0005 | mg/L | 0.0500 | ND     | 103  | 70-130 | 0.702 | 20 |  |
| Copper     | 0.0469 | 0.0010 | mg/L | 0.0500 | ND     | 93.8 | 70-130 | 2.25  | 20 |  |
| Lead       | 0.0481 | 0.0005 | mg/L | 0.0500 | ND     | 96.3 | 70-130 | 0.637 | 20 |  |
| Manganese  | 0.0503 | 0.0005 | mg/L | 0.0500 | 0.0012 | 98.3 | 70-130 | 0.713 | 20 |  |
| Molybdenum | 0.0524 | 0.0005 | mg/L | 0.0500 | 0.0006 | 103  | 70-130 | 0.656 | 20 |  |
| Selenium   | 0.280  | 0.0010 | mg/L | 0.250  | ND     | 112  | 70-130 | 1.39  | 20 |  |
| Uranium    | 0.0502 | 0.0005 | mg/L | 0.0500 | 0.0011 | 98.1 | 70-130 | 0.238 | 20 |  |
| Zinc       | 0.0532 | 0.0020 | mg/L | 0.0500 | 0.0009 | 105  | 70-130 | 1.70  | 20 |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:38

### Dissolved Mercury by CVAFS - Quality Control

| Analyte                                | Result | Reporting Limit | Units | Spike Level                                              | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|----------------------------------------|--------|-----------------|-------|----------------------------------------------------------|---------------|------|-------------|-------|-----------|-------|
| <b>Batch B251333 - EPA 245.7</b>       |        |                 |       |                                                          |               |      |             |       |           |       |
| <b>Blank (B251333-BLK1)</b>            |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25                    |               |      |             |       |           |       |
| Mercury                                | ND     | 100             | ng/L  |                                                          |               |      |             |       |           |       |
| <b>LCS (B251333-BS1)</b>               |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25                    |               |      |             |       |           |       |
| Mercury                                | 884    | 100             | ng/L  | 1000                                                     |               | 88.4 | 76-113      |       |           |       |
| <b>LCS Dup (B251333-BSD1)</b>          |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25                    |               |      |             |       |           |       |
| Mercury                                | 837    | 100             | ng/L  | 1000                                                     |               | 83.7 | 76-113      | 5.53  | 20        |       |
| <b>Matrix Spike (B251333-MS1)</b>      |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505141-01 Prepared: 05/19/25 Analyzed: 05/21/25 |               |      |             |       |           |       |
| Mercury                                | 920    | 100             | ng/L  | 1000                                                     | ND            | 92.0 | 63-111      |       |           |       |
| <b>Matrix Spike (B251333-MS2)</b>      |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505142-01 Prepared: 05/19/25 Analyzed: 05/21/25 |               |      |             |       |           |       |
| Mercury                                | 888    | 100             | ng/L  | 1000                                                     | ND            | 88.8 | 63-111      |       |           |       |
| <b>Matrix Spike Dup (B251333-MSD1)</b> |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505141-01 Prepared: 05/19/25 Analyzed: 05/21/25 |               |      |             |       |           |       |
| Mercury                                | 923    | 100             | ng/L  | 1000                                                     | ND            | 92.3 | 63-111      | 0.335 | 200       |       |
| <b>Matrix Spike Dup (B251333-MSD2)</b> |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505142-01 Prepared: 05/19/25 Analyzed: 05/21/25 |               |      |             |       |           |       |
| Mercury                                | 810    | 100             | ng/L  | 1000                                                     | ND            | 81.0 | 63-111      | 9.11  | 200       |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:38

### Notes and Definitions

|     |                                                                                                                                                                                                                    |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M3  | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B2  | Target analyte detected in continuing calibration blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the blank or less than the reporting limit. |
| DET | Analyte DETECTED                                                                                                                                                                                                   |
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                                                                               |
| NR  | Not Reported                                                                                                                                                                                                       |
| dry | Sample results reported on a dry weight basis<br>*Results reported on as received basis unless designated as dry.                                                                                                  |
| RPD | Relative Percent Difference                                                                                                                                                                                        |
| LCS | Laboratory Control Sample (Blank Spike)                                                                                                                                                                            |
| RL  | Report Limit                                                                                                                                                                                                       |
| MDL | Method Detection Limit                                                                                                                                                                                             |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:38

### Qualifier Summary

| <u>LabNumber</u> | <u>Analysis</u>           | <u>Analyte</u> | <u>Qualifier</u> | <u>TextBody</u>                                                                                                                                                                                                    |
|------------------|---------------------------|----------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B251354-MS1      | Calcium Dissolved by ICP  | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MS1      | Sodium Dissolved by ICP   | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MS2      | Aluminum Dissolved by ICP | Aluminum       | B2               | Target analyte detected in continuing calibration blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the blank or less than the reporting limit. |
| B251354-MS2      | Calcium Dissolved by ICP  | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MS2      | Sodium Dissolved by ICP   | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MSD1     | Calcium Dissolved by ICP  | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MSD1     | Sodium Dissolved by ICP   | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MSD2     | Aluminum Dissolved by ICP | Aluminum       | B2               | Target analyte detected in continuing calibration blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the blank or less than the reporting limit. |
| B251354-MSD2     | Calcium Dissolved by ICP  | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MSD2     | Sodium Dissolved by ICP   | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



75 Suttle Street  
Durango, CO 81303  
(970) 247-4220

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006, R 8.0

Table of Contents

Note: Write-Out™ or similar products cannot be used on the Chain of Custody

Company or Client: GCC Energy

Address: 6473 CR 120

City: Hesperus

State: CO Zip: 81326

Phone #: 970.385.4528

Contact Person: Michael Dickson for billing; Landon Beck for logistical or technical

Email Report to: mdickson@gcc.com; lbeck@slrconsulting.com; tom@haygulchservices.com

Project Name(optional):

Sampler Name (Print):

Brandon Waddell

Bill to (if different):

ANALYSIS REQUEST

P.O. #:

Rush?

Y ☐ N ☒

Matrix (check one)

# of containers

Lab I.D.

Sample Name or Location

2505-192

61

1) MW-5-MI

5-13-25

12:06

GROUNDWATER

3

No preservation

GCC GW Baseline

02

2) MW-5-C

5-13-25

12:43

SURFACE WATER

3

Nitric Acid

GCC SW Baseline

3)

4)

5)

6)

7)

8)

9)

10)

5-13-25

12:43

WASTEWATER

3

Hydrochloric Acid

GCC S&S Baseline

4)

5)

6)

7)

8)

9)

10)

5-13-25

12:43

PRODUCED WATER

3

Sulfuric Acid

GCC S&S Baseline

5)

6)

7)

8)

9)

10)

5-13-25

12:43

DRINKING WATER

3

Sodium Hydroxide

GCC S&S Baseline

6)

7)

8)

9)

10)

5-13-25

12:43

OTHER:

3

OTHER:

GCC S&S Baseline

7)

8)

9)

10)

5-13-25

12:43

OTHER:

3

OTHER:

GCC S&S Baseline

8)

9)

10)

5-13-25

12:43

OTHER:

3

OTHER:

GCC S&S Baseline

9)

10)

5-13-25

12:43

OTHER:

3

OTHER:

GCC S&S Baseline

10)

10)

5-13-25

12:43

OTHER:

3

OTHER:

GCC S&S Baseline

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion of the applicable service. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 5-14-25

Received By:

Date: 5-14-25

ADDITIONAL REMARKS:

Relinquished By:

Date: 8-5-24

Received By:

Date: 8-5-24

Relinquished By:

Date: 4-8-24

Received By:

Date: 4-8-24

Temperature at receipt:

Checked by:

On Ice?

Therm. used:

\* GAL cannot accept verbal changes. Please email changes to receiving@greenanalytical.com  
† Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.





## SAMPLE CONDITION RECEIPT FORM

 Date/Initials of person examining contents: 5/13/25  
CBW

 Labeled by initials: \_\_\_\_\_  
 (If different than above)
Client Name: GCC EnergyWork Order # 2505-192
 Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ Other

 Custody Seals on Box/Cooler Present: ☐ Yes ☒ No      Seals Intact: ☐ Yes ☐ No      GAL Cooler #: \_\_\_\_\_

 Thermometer Used: #2      Samples on ice, cooling process has begun: ☒ Yes ☐ No

 Type of Ice: ☒ Wet ☐ Blue ☐ None      Cooler Temp: Observed Temp: 4.8 °C      Correction Factor: -0.9 °C      Final Temp: 3.9 °C

\*Temp should be above freezing 6°C

Compliance: ☐ Yes ☒ No

|                                                                                     |                                                                                                  |                 |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------|
| Chain of Custody Filled Out:                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 1.              |
| COC Signed when Relinquished and Received:                                          | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 2.              |
| Sampler Name and Signature on COC:<br>*Required for compliance                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 3.              |
| Samples arrived within hold time:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 4.              |
| Correct Containers Used & Intact:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5.              |
| Short Hold Time Analysis (<72hr):                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 6. <u>PH</u>    |
| Rush Turn Around Time Requested:                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 7.              |
| Sufficient Volume:                                                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 8.              |
| pH's acceptable upon receipt, where applicable:<br>*Not including metals bottles    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9.              |
| Dissolved Testing Needed:                                                           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 10. <u>Diss</u> |
| Field Filtered: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                  |                 |
| Sample Labels match COC:<br>-Includes Date/Time/ID                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 11.             |
| Matrix: <u>WT</u> <u>SL</u> <u>OT</u>                                               |                                                                                                  |                 |
| Trip Blank Present:                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 12.             |
| Trip Blank Custody Seals Present:                                                   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A |                 |
| VOA's meet headspace requirement (<6mm bubbles)                                     | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A |                 |
| Non-Conformance(s):                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 13.             |

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
jeremy.allen@greenanalytical.com

29 May 2025

Michael Dickson  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: [none]

Enclosed are the results of analyses for samples received by the laboratory on 05/14/25 08:50. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen  
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

# Table of Contents

|                                |    |
|--------------------------------|----|
| Samples in Report              | 3  |
| Sample Results                 | 4  |
| 2505193-01: MW-99              | 4  |
| Quality Assurance Results      | 6  |
| Notes and Definitions          | 14 |
| Qualifier Summary              | 15 |
| Chain of Custody & Attachments | 16 |



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:39

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| MW-99     | 2505193-01    | Water  | 05/13/25 11:46 | 05/14/25 08:50 |       |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:39

## MW-99

**2505193-01 (Ground Water)**

**Sampled Date: 05/13/25 11:46**

**Sampled By: Brandon Waddell**

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

### General Chemistry

|                                                |        |       |        |           |   |                |                       |  |     |
|------------------------------------------------|--------|-------|--------|-----------|---|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 425    | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 425    | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Cation/Anion Balance                           | -1.84  | -100  | -100   | %         | 1 | 05/29/25 17:27 | Calculation           |  | JDA |
| Chloride*                                      | 2.38   | 1.00  | 0.497  | mg/L      | 1 | 05/21/25 19:14 | EPA 300.0             |  | AWG |
| Fluoride*                                      | 0.225  | 0.100 | 0.0336 | mg/L      | 1 | 05/21/25 19:14 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007  | mg/L as N | 1 | 05/20/25 14:25 | EPA 353.2             |  | HIC |
| pH*                                            | 7.13   |       |        | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 22.0   |       |        | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | 504    | 5.00  | 2.81   | mg/L      | 5 | 05/22/25 11:26 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 780    | 10.0  |        | mg/L      | 1 | 05/20/25 16:33 | EPA 160.1/SM<br>2540C |  | AWG |
| Total Organic Carbon*                          | 1.58   | 0.500 | 0.220  | mg/L      | 1 | 05/21/25 22:27 | 5310C                 |  | AES |

### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178 | mg/L | 5 | 05/20/25 16:32 | EPA 200.7   |  | AWG |
| Calcium*                      | 31.7   | 0.500 | 0.362 | mg/L | 5 | 05/20/25 16:32 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 168    | 3.31  | 2.54  | mg/L | 5 | 05/20/25 16:32 | 2340 B      |  | AWG |
| Iron*                         | 0.440  | 0.250 | 0.173 | mg/L | 5 | 05/20/25 16:32 | EPA 200.7   |  | AWG |
| Magnesium*                    | 21.6   | 0.500 | 0.397 | mg/L | 5 | 05/20/25 16:32 | EPA 200.7   |  | AWG |
| Potassium*                    | <5.00  | 5.00  | 0.906 | mg/L | 5 | 05/20/25 16:32 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 10.7   | 5.35  | 0.104 | mg/L | 5 | 05/20/25 16:32 | Calculation |  | AWG |
| Silicon                       | 5.01   | 2.50  | 0.049 | mg/L | 5 | 05/20/25 16:32 | EPA 200.7   |  | AWG |
| Sodium*                       | 327    | 5.00  | 3.78  | mg/L | 5 | 05/20/25 16:32 | EPA 200.7   |  | AWG |

### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |           |  |     |
|-------------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Arsenic*    | <0.0020 | 0.0020 | 0.0008  | mg/L | 2 | 05/20/25 16:43 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 05/20/25 16:43 | EPA 200.8 |  | AES |
| Copper*     | 0.0100  | 0.0020 | 0.0015  | mg/L | 2 | 05/20/25 16:43 | EPA 200.8 |  | AES |
| Lead*       | <0.0010 | 0.0010 | 0.0002  | mg/L | 2 | 05/20/25 16:43 | EPA 200.8 |  | AES |
| Manganese*  | 0.0479  | 0.0010 | 0.0004  | mg/L | 2 | 05/20/25 16:43 | EPA 200.8 |  | AES |
| Molybdenum* | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 05/20/25 16:43 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:39

### MW-99

**2505193-01 (Ground Water)**

**Sampled Date: 05/13/25 11:46**

**Sampled By: Brandon Waddell**

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

#### Dissolved Metals by ICPMS

|           |         |        |         |      |   |                |           |  |     |
|-----------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Selenium* | <0.0020 | 0.0020 | 0.0007  | mg/L | 2 | 05/20/25 16:43 | EPA 200.8 |  | AES |
| Uranium   | <0.0010 | 0.0010 | 0.00005 | mg/L | 2 | 05/20/25 16:43 | EPA 200.8 |  | AES |
| Zinc*     | <0.0040 | 0.0040 | 0.0010  | mg/L | 2 | 05/20/25 16:43 | EPA 200.8 |  | AES |

#### Dissolved Mercury by CVAFS

|         |      |     |      |      |   |                |           |  |     |
|---------|------|-----|------|------|---|----------------|-----------|--|-----|
| Mercury | <100 | 100 | 19.6 | ng/L | 1 | 05/21/25 16:04 | EPA 245.7 |  | AES |
|---------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:39

### General Chemistry - Quality Control

| Analyte                                        | Result | Reporting Limit | Units     | Spike Level                                              | Source Result | %REC | %REC Limits  | RPD   | RPD Limit | Notes |
|------------------------------------------------|--------|-----------------|-----------|----------------------------------------------------------|---------------|------|--------------|-------|-----------|-------|
| <b>Batch B251286 - Lachat</b>                  |        |                 |           |                                                          |               |      |              |       |           |       |
| <b>Blank (B251286-BLK1)</b>                    |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | ND     | 0.020           | mg/L as N |                                                          |               |      |              |       |           |       |
| <b>LCS (B251286-BS1)</b>                       |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.01   | 0.020           | mg/L as N | 1.00                                                     |               | 101  | 90-110       |       |           |       |
| <b>LCS Dup (B251286-BSD1)</b>                  |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.01   | 0.020           | mg/L as N | 1.00                                                     |               | 101  | 90-110       | 0.198 | 20        |       |
| <b>Matrix Spike (B251286-MS1)</b>              |        |                 |           | Source: 2505177-01 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 0.966  | 0.020           | mg/L as N | 1.00                                                     | ND            | 96.6 | 90-110       |       |           |       |
| <b>Matrix Spike (B251286-MS2)</b>              |        |                 |           | Source: 2505177-02 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.03   | 0.020           | mg/L as N | 1.00                                                     | ND            | 103  | 90-110       |       |           |       |
| <b>Matrix Spike Dup (B251286-MSD1)</b>         |        |                 |           | Source: 2505177-01 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 0.977  | 0.020           | mg/L as N | 1.00                                                     | ND            | 97.7 | 90-110       | 1.12  | 20        |       |
| <b>Matrix Spike Dup (B251286-MSD2)</b>         |        |                 |           | Source: 2505177-02 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.04   | 0.020           | mg/L as N | 1.00                                                     | ND            | 104  | 90-110       | 0.581 | 20        |       |
| <b>Batch B251288 - General Prep - Wet Chem</b> |        |                 |           |                                                          |               |      |              |       |           |       |
| <b>Duplicate (B251288-DUP1)</b>                |        |                 |           | Source: 2505148-01 Prepared & Analyzed: 05/14/25         |               |      |              |       |           |       |
| pH                                             | 7.70   |                 | pH Units  |                                                          | 7.66          |      |              | 0.521 | 20        |       |
| pH Temperature, degrees C                      | 20.6   |                 | pH Units  |                                                          | 21.1          |      |              | 2.40  | 200       |       |
| <b>Duplicate (B251288-DUP2)</b>                |        |                 |           | Source: 2505157-01 Prepared & Analyzed: 05/14/25         |               |      |              |       |           |       |
| pH                                             | 7.52   |                 | pH Units  |                                                          | 7.52          |      |              | 0.00  | 20        |       |
| pH Temperature, degrees C                      | 20.4   |                 | pH Units  |                                                          | 20.4          |      |              | 0.00  | 200       |       |
| <b>Reference (B251288-SRM1)</b>                |        |                 |           | Prepared & Analyzed: 05/14/25                            |               |      |              |       |           |       |
| pH                                             | 6.94   |                 | pH Units  | 7.00                                                     |               | 99.1 | 98.57-101.42 |       |           |       |
| <b>Batch B251355 - General Prep - Wet Chem</b> |        |                 |           |                                                          |               |      |              |       |           |       |
| <b>Blank (B251355-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 05/20/25                            |               |      |              |       |           |       |
| Total Dissolved Solids                         | ND     | 10.0            | mg/L      |                                                          |               |      |              |       |           |       |
| <b>Duplicate (B251355-DUP1)</b>                |        |                 |           | Source: 2505178-06 Prepared & Analyzed: 05/20/25         |               |      |              |       |           |       |
| Total Dissolved Solids                         | 530    | 10.0            | mg/L      |                                                          | 615           |      |              | 14.8  | 20        |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:39

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251355 - General Prep - Wet Chem (Continued)

##### Reference (B251355-SRM1)

Prepared & Analyzed: 05/20/25

|                        |     |      |      |     |      |        |
|------------------------|-----|------|------|-----|------|--------|
| Total Dissolved Solids | 355 | 10.0 | mg/L | 400 | 88.7 | 85-115 |
|------------------------|-----|------|------|-----|------|--------|

#### Batch B251359 - General Prep - Wet Chem

##### Blank (B251359-BLK1)

Prepared: 05/20/25 Analyzed: 05/21/25

|                                              |    |      |      |
|----------------------------------------------|----|------|------|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | ND | 10.0 | mg/L |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |
| Alkalinity, Total as CaCO <sub>3</sub>       | ND | 10.0 | mg/L |

##### LCS (B251359-BS1)

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |     |        |
|----------------------------------------|-----|------|------|-----|-----|--------|
| Alkalinity, Total as CaCO <sub>3</sub> | 106 | 10.0 | mg/L | 100 | 106 | 85-115 |
|----------------------------------------|-----|------|------|-----|-----|--------|

##### LCS Dup (B251359-BSD1)

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |     |        |       |    |
|----------------------------------------|-----|------|------|-----|-----|--------|-------|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 107 | 10.0 | mg/L | 100 | 107 | 85-115 | 0.939 | 20 |
|----------------------------------------|-----|------|------|-----|-----|--------|-------|----|

##### Matrix Spike (B251359-MS1)

Source: 2505157-01

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |     |      |        |
|----------------------------------------|-----|------|------|-----|-----|------|--------|
| Alkalinity, Total as CaCO <sub>3</sub> | 668 | 10.0 | mg/L | 100 | 576 | 92.0 | 80-120 |
|----------------------------------------|-----|------|------|-----|-----|------|--------|

##### Matrix Spike (B251359-MS2)

Source: 2505178-01

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |      |      |        |
|----------------------------------------|-----|------|------|-----|------|------|--------|
| Alkalinity, Total as CaCO <sub>3</sub> | 183 | 10.0 | mg/L | 100 | 86.0 | 97.0 | 80-120 |
|----------------------------------------|-----|------|------|-----|------|------|--------|

##### Matrix Spike Dup (B251359-MSD1)

Source: 2505157-01

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |     |      |        |       |    |
|----------------------------------------|-----|------|------|-----|-----|------|--------|-------|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 670 | 10.0 | mg/L | 100 | 576 | 94.0 | 80-120 | 0.299 | 20 |
|----------------------------------------|-----|------|------|-----|-----|------|--------|-------|----|

##### Matrix Spike Dup (B251359-MSD2)

Source: 2505178-01

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |      |      |        |       |    |
|----------------------------------------|-----|------|------|-----|------|------|--------|-------|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 184 | 10.0 | mg/L | 100 | 86.0 | 98.0 | 80-120 | 0.545 | 20 |
|----------------------------------------|-----|------|------|-----|------|------|--------|-------|----|

##### Reference (B251359-SRM1)

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |     |        |
|----------------------------------------|-----|------|------|-----|-----|--------|
| Alkalinity, Total as CaCO <sub>3</sub> | 101 | 10.0 | mg/L | 100 | 101 | 85-115 |
|----------------------------------------|-----|------|------|-----|-----|--------|

#### Batch B251363 - IC- Ion Chromatograph

##### Blank (B251363-BLK1)

Prepared & Analyzed: 05/21/25

|          |    |       |      |
|----------|----|-------|------|
| Chloride | ND | 1.00  | mg/L |
| Fluoride | ND | 0.100 | mg/L |
| Sulfate  | ND | 1.00  | mg/L |

##### LCS (B251363-BS1)

Prepared & Analyzed: 05/21/25

|          |      |       |      |      |      |        |
|----------|------|-------|------|------|------|--------|
| Chloride | 23.9 | 1.00  | mg/L | 25.0 | 95.5 | 90-110 |
| Fluoride | 2.42 | 0.100 | mg/L | 2.50 | 96.8 | 90-110 |
| Sulfate  | 23.5 | 1.00  | mg/L | 25.0 | 94.0 | 90-110 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:39

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251363 - IC- Ion Chromatograph (Continued)

##### LCS Dup (B251363-BSD1)

Prepared & Analyzed: 05/21/25

|          |      |       |      |      |  |      |        |      |    |  |
|----------|------|-------|------|------|--|------|--------|------|----|--|
| Chloride | 24.5 | 1.00  | mg/L | 25.0 |  | 98.1 | 90-110 | 2.70 | 20 |  |
| Fluoride | 2.49 | 0.100 | mg/L | 2.50 |  | 99.5 | 90-110 | 2.73 | 20 |  |
| Sulfate  | 24.2 | 1.00  | mg/L | 25.0 |  | 96.6 | 90-110 | 2.72 | 20 |  |

##### Matrix Spike (B251363-MS1)

Source: 2505208-01 Prepared: 05/21/25 Analyzed: 05/22/25

|          |      |       |      |      |       |      |        |  |  |  |
|----------|------|-------|------|------|-------|------|--------|--|--|--|
| Chloride | 30.5 | 1.00  | mg/L | 25.0 | 6.78  | 94.9 | 85-115 |  |  |  |
| Fluoride | 3.03 | 0.100 | mg/L | 2.50 | 0.670 | 94.2 | 85-115 |  |  |  |
| Sulfate  | 38.9 | 1.00  | mg/L | 25.0 | 15.4  | 94.2 | 85-115 |  |  |  |

##### Matrix Spike (B251363-MS2)

Source: 2505209-01 Prepared: 05/21/25 Analyzed: 05/22/25

|          |      |       |      |      |       |      |        |  |  |  |
|----------|------|-------|------|------|-------|------|--------|--|--|--|
| Chloride | 24.2 | 1.00  | mg/L | 25.0 | 0.746 | 93.8 | 85-115 |  |  |  |
| Fluoride | 2.53 | 0.100 | mg/L | 2.50 | 0.201 | 93.2 | 85-115 |  |  |  |
| Sulfate  | 59.3 | 1.00  | mg/L | 25.0 | 35.4  | 95.7 | 85-115 |  |  |  |

##### Matrix Spike Dup (B251363-MSD1)

Source: 2505208-01 Prepared: 05/21/25 Analyzed: 05/22/25

|          |      |       |      |      |       |      |        |      |    |  |
|----------|------|-------|------|------|-------|------|--------|------|----|--|
| Chloride | 31.2 | 1.00  | mg/L | 25.0 | 6.78  | 97.7 | 85-115 | 2.26 | 20 |  |
| Fluoride | 3.10 | 0.100 | mg/L | 2.50 | 0.670 | 97.1 | 85-115 | 2.35 | 20 |  |
| Sulfate  | 39.6 | 1.00  | mg/L | 25.0 | 15.4  | 97.1 | 85-115 | 1.88 | 20 |  |

##### Matrix Spike Dup (B251363-MSD2)

Source: 2505209-01 Prepared: 05/21/25 Analyzed: 05/22/25

|          |      |       |      |      |       |      |        |       |    |  |
|----------|------|-------|------|------|-------|------|--------|-------|----|--|
| Chloride | 24.8 | 1.00  | mg/L | 25.0 | 0.746 | 96.1 | 85-115 | 2.39  | 20 |  |
| Fluoride | 2.59 | 0.100 | mg/L | 2.50 | 0.201 | 95.7 | 85-115 | 2.38  | 20 |  |
| Sulfate  | 59.9 | 1.00  | mg/L | 25.0 | 35.4  | 97.8 | 85-115 | 0.886 | 20 |  |

#### Batch B251365 - General Prep - Wet Chem

##### Blank (B251365-BLK1)

Prepared & Analyzed: 05/21/25

|                      |    |       |      |  |  |  |  |  |  |  |
|----------------------|----|-------|------|--|--|--|--|--|--|--|
| Total Organic Carbon | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
|----------------------|----|-------|------|--|--|--|--|--|--|--|

##### LCS (B251365-BS1)

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |  |      |        |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|
| Total Organic Carbon | 9.78 | 0.500 | mg/L | 10.0 |  | 97.8 | 85-115 |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|

##### LCS Dup (B251365-BSD1)

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |  |      |        |       |    |  |
|----------------------|------|-------|------|------|--|------|--------|-------|----|--|
| Total Organic Carbon | 9.81 | 0.500 | mg/L | 10.0 |  | 98.1 | 85-115 | 0.306 | 20 |  |
|----------------------|------|-------|------|------|--|------|--------|-------|----|--|

##### Matrix Spike (B251365-MS1)

Source: 2505178-02 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 12.2 | 0.500 | mg/L | 10.0 | 3.06 | 91.6 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

##### Matrix Spike (B251365-MS2)

Source: 2505190-01 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 10.6 | 0.500 | mg/L | 10.0 | 1.18 | 94.1 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

##### Matrix Spike Dup (B251365-MSD1)

Source: 2505178-02 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |      |    |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|
| Total Organic Carbon | 12.6 | 0.500 | mg/L | 10.0 | 3.06 | 95.2 | 80-120 | 2.90 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:39

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251365 - General Prep - Wet Chem (Continued)

#### Matrix Spike Dup (B251365-MSD2)

Source: 2505190-01

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |      |    |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|
| Total Organic Carbon | 10.8 | 0.500 | mg/L | 10.0 | 1.18 | 96.1 | 80-120 | 1.87 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:39

### Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251354 - Dissolved ICP

##### Matrix Spike (B251354-MS1)

Source: 2505145-01 Prepared & Analyzed: 05/20/25

|           |      |       |      |      |      |      |        |  |  |    |
|-----------|------|-------|------|------|------|------|--------|--|--|----|
| Aluminum  | 3.84 | 0.050 | mg/L | 4.00 | ND   | 96.0 | 70-130 |  |  |    |
| Calcium   | 55.4 | 0.100 | mg/L | 4.00 | 55.2 | 5.71 | 70-130 |  |  | M3 |
| Iron      | 3.83 | 0.050 | mg/L | 4.00 | ND   | 95.7 | 70-130 |  |  |    |
| Magnesium | 31.7 | 0.100 | mg/L | 20.0 | 12.3 | 96.8 | 70-130 |  |  |    |
| Potassium | 22.4 | 1.00  | mg/L | 8.00 | 15.4 | 86.9 | 70-130 |  |  |    |
| Silicon   | 5.98 | 0.500 | mg/L | 4.00 | 2.00 | 99.5 | 70-130 |  |  |    |
| Sodium    | 54.5 | 1.00  | mg/L | 3.24 | 53.9 | 18.1 | 70-130 |  |  | M3 |

##### Matrix Spike (B251354-MS2)

Source: 2505196-01 Prepared & Analyzed: 05/20/25

|           |      |       |      |      |       |      |        |  |  |    |
|-----------|------|-------|------|------|-------|------|--------|--|--|----|
| Aluminum  | 3.83 | 0.050 | mg/L | 4.00 | ND    | 95.7 | 70-130 |  |  | B2 |
| Calcium   | 61.8 | 0.100 | mg/L | 4.00 | 62.4  | NR   | 70-130 |  |  | M3 |
| Iron      | 3.79 | 0.050 | mg/L | 4.00 | ND    | 94.9 | 70-130 |  |  |    |
| Magnesium | 37.5 | 0.100 | mg/L | 20.0 | 18.2  | 96.4 | 70-130 |  |  |    |
| Potassium | 10.6 | 1.00  | mg/L | 8.00 | 3.13  | 93.0 | 70-130 |  |  |    |
| Silicon   | 4.13 | 0.500 | mg/L | 4.00 | 0.215 | 97.9 | 70-130 |  |  |    |
| Sodium    | 20.1 | 1.00  | mg/L | 3.24 | 18.1  | 62.3 | 70-130 |  |  | M3 |

##### Matrix Spike Dup (B251354-MSD1)

Source: 2505145-01 Prepared & Analyzed: 05/20/25

|           |      |       |      |      |      |      |        |       |    |    |
|-----------|------|-------|------|------|------|------|--------|-------|----|----|
| Aluminum  | 3.74 | 0.250 | mg/L | 4.00 | ND   | 93.6 | 70-130 | 2.59  | 20 |    |
| Calcium   | 55.9 | 0.500 | mg/L | 4.00 | 55.2 | 18.0 | 70-130 | 0.880 | 20 | M3 |
| Iron      | 3.78 | 0.250 | mg/L | 4.00 | ND   | 94.5 | 70-130 | 1.28  | 20 |    |
| Magnesium | 31.4 | 0.500 | mg/L | 20.0 | 12.3 | 95.2 | 70-130 | 1.01  | 20 |    |
| Potassium | 22.5 | 5.00  | mg/L | 8.00 | 15.4 | 88.3 | 70-130 | 0.512 | 20 |    |
| Silicon   | 5.83 | 2.50  | mg/L | 4.00 | 2.00 | 95.7 | 70-130 | 2.57  | 20 |    |
| Sodium    | 54.8 | 5.00  | mg/L | 3.24 | 53.9 | 28.9 | 70-130 | 0.643 | 20 | M3 |

##### Matrix Spike Dup (B251354-MSD2)

Source: 2505196-01 Prepared & Analyzed: 05/20/25

|           |      |       |      |      |       |      |        |       |    |    |
|-----------|------|-------|------|------|-------|------|--------|-------|----|----|
| Aluminum  | 3.82 | 0.250 | mg/L | 4.00 | ND    | 95.4 | 70-130 | 0.317 | 20 | B2 |
| Calcium   | 61.1 | 0.500 | mg/L | 4.00 | 62.4  | NR   | 70-130 | 1.14  | 20 | M3 |
| Iron      | 3.69 | 0.250 | mg/L | 4.00 | ND    | 92.3 | 70-130 | 2.78  | 20 |    |
| Magnesium | 36.9 | 0.500 | mg/L | 20.0 | 18.2  | 93.1 | 70-130 | 1.78  | 20 |    |
| Potassium | 10.9 | 5.00  | mg/L | 8.00 | 3.13  | 97.0 | 70-130 | 2.92  | 20 |    |
| Silicon   | 3.93 | 2.50  | mg/L | 4.00 | 0.215 | 92.9 | 70-130 | 5.05  | 20 |    |
| Sodium    | 20.2 | 5.00  | mg/L | 3.24 | 18.1  | 64.5 | 70-130 | 0.362 | 20 | M3 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:39

### Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251348 - Dissolved ICPMS

##### Blank (B251348-BLK1)

Prepared & Analyzed: 05/20/25

|            |    |        |      |  |  |  |  |  |  |  |
|------------|----|--------|------|--|--|--|--|--|--|--|
| Arsenic    | ND | 0.0010 | mg/L |  |  |  |  |  |  |  |
| Cadmium    | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Copper     | ND | 0.0010 | mg/L |  |  |  |  |  |  |  |
| Lead       | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Manganese  | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Molybdenum | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Selenium   | ND | 0.0010 | mg/L |  |  |  |  |  |  |  |
| Uranium    | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Zinc       | ND | 0.0020 | mg/L |  |  |  |  |  |  |  |

##### LCS (B251348-BS1)

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |  |      |        |  |  |  |
|------------|--------|--------|------|--------|--|------|--------|--|--|--|
| Arsenic    | 0.0497 | 0.0010 | mg/L | 0.0500 |  | 99.4 | 85-115 |  |  |  |
| Cadmium    | 0.0490 | 0.0005 | mg/L | 0.0500 |  | 98.0 | 85-115 |  |  |  |
| Copper     | 0.0482 | 0.0010 | mg/L | 0.0500 |  | 96.3 | 85-115 |  |  |  |
| Lead       | 0.0487 | 0.0005 | mg/L | 0.0500 |  | 97.5 | 85-115 |  |  |  |
| Manganese  | 0.0495 | 0.0005 | mg/L | 0.0500 |  | 99.0 | 85-115 |  |  |  |
| Molybdenum | 0.0510 | 0.0005 | mg/L | 0.0500 |  | 102  | 85-115 |  |  |  |
| Selenium   | 0.240  | 0.0010 | mg/L | 0.250  |  | 95.8 | 85-115 |  |  |  |
| Uranium    | 0.0486 | 0.0005 | mg/L | 0.0500 |  | 97.2 | 85-115 |  |  |  |
| Zinc       | 0.0496 | 0.0020 | mg/L | 0.0500 |  | 99.2 | 85-115 |  |  |  |

##### LCS Dup (B251348-BSD1)

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |  |      |        |        |    |  |
|------------|--------|--------|------|--------|--|------|--------|--------|----|--|
| Arsenic    | 0.0494 | 0.0010 | mg/L | 0.0500 |  | 98.8 | 85-115 | 0.661  | 20 |  |
| Cadmium    | 0.0491 | 0.0005 | mg/L | 0.0500 |  | 98.2 | 85-115 | 0.239  | 20 |  |
| Copper     | 0.0480 | 0.0010 | mg/L | 0.0500 |  | 96.1 | 85-115 | 0.246  | 20 |  |
| Lead       | 0.0484 | 0.0005 | mg/L | 0.0500 |  | 96.9 | 85-115 | 0.633  | 20 |  |
| Manganese  | 0.0494 | 0.0005 | mg/L | 0.0500 |  | 98.9 | 85-115 | 0.0577 | 20 |  |
| Molybdenum | 0.0504 | 0.0005 | mg/L | 0.0500 |  | 101  | 85-115 | 1.11   | 20 |  |
| Selenium   | 0.239  | 0.0010 | mg/L | 0.250  |  | 95.7 | 85-115 | 0.162  | 20 |  |
| Uranium    | 0.0487 | 0.0005 | mg/L | 0.0500 |  | 97.4 | 85-115 | 0.175  | 20 |  |
| Zinc       | 0.0488 | 0.0020 | mg/L | 0.0500 |  | 97.6 | 85-115 | 1.64   | 20 |  |

##### Matrix Spike (B251348-MS1)

Source: 2505198-01

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |  |  |  |
|------------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Arsenic    | 0.0509 | 0.0010 | mg/L | 0.0500 | ND     | 102  | 70-130 |  |  |  |
| Cadmium    | 0.0486 | 0.0005 | mg/L | 0.0500 | ND     | 97.2 | 70-130 |  |  |  |
| Copper     | 0.0456 | 0.0010 | mg/L | 0.0500 | ND     | 91.2 | 70-130 |  |  |  |
| Lead       | 0.0386 | 0.0005 | mg/L | 0.0500 | ND     | 77.1 | 70-130 |  |  |  |
| Manganese  | 0.0478 | 0.0005 | mg/L | 0.0500 | 0.0011 | 93.4 | 70-130 |  |  |  |
| Molybdenum | 0.0493 | 0.0005 | mg/L | 0.0500 | 0.0006 | 97.4 | 70-130 |  |  |  |
| Selenium   | 0.262  | 0.0010 | mg/L | 0.250  | ND     | 105  | 70-130 |  |  |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:39

### Dissolved Metals by ICPMS - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251348 - Dissolved ICPMS (Continued)

##### Matrix Spike (B251348-MS1) (Continued)

Source: 2505198-01 Prepared & Analyzed: 05/20/25

|         |        |        |      |        |        |      |        |  |  |  |
|---------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Uranium | 0.0396 | 0.0005 | mg/L | 0.0500 | 0.0011 | 77.0 | 70-130 |  |  |  |
| Zinc    | 0.0517 | 0.0020 | mg/L | 0.0500 | 0.0012 | 101  | 70-130 |  |  |  |

##### Matrix Spike (B251348-MS2)

Source: 2505198-02 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |  |  |  |
|------------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Arsenic    | 0.0528 | 0.0010 | mg/L | 0.0500 | ND     | 106  | 70-130 |  |  |  |
| Cadmium    | 0.0509 | 0.0005 | mg/L | 0.0500 | ND     | 102  | 70-130 |  |  |  |
| Copper     | 0.0480 | 0.0010 | mg/L | 0.0500 | ND     | 96.0 | 70-130 |  |  |  |
| Lead       | 0.0478 | 0.0005 | mg/L | 0.0500 | ND     | 95.7 | 70-130 |  |  |  |
| Manganese  | 0.0507 | 0.0005 | mg/L | 0.0500 | 0.0012 | 99.0 | 70-130 |  |  |  |
| Molybdenum | 0.0520 | 0.0005 | mg/L | 0.0500 | 0.0006 | 103  | 70-130 |  |  |  |
| Selenium   | 0.276  | 0.0010 | mg/L | 0.250  | ND     | 110  | 70-130 |  |  |  |
| Uranium    | 0.0501 | 0.0005 | mg/L | 0.0500 | 0.0011 | 97.9 | 70-130 |  |  |  |
| Zinc       | 0.0541 | 0.0020 | mg/L | 0.0500 | 0.0009 | 106  | 70-130 |  |  |  |

##### Matrix Spike Dup (B251348-MSD1)

Source: 2505198-01 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |       |    |  |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|--|
| Arsenic    | 0.0525 | 0.0010 | mg/L | 0.0500 | ND     | 105  | 70-130 | 3.07  | 20 |  |
| Cadmium    | 0.0489 | 0.0005 | mg/L | 0.0500 | ND     | 97.8 | 70-130 | 0.670 | 20 |  |
| Copper     | 0.0454 | 0.0010 | mg/L | 0.0500 | ND     | 90.8 | 70-130 | 0.523 | 20 |  |
| Lead       | 0.0385 | 0.0005 | mg/L | 0.0500 | ND     | 76.9 | 70-130 | 0.208 | 20 |  |
| Manganese  | 0.0480 | 0.0005 | mg/L | 0.0500 | 0.0011 | 93.8 | 70-130 | 0.398 | 20 |  |
| Molybdenum | 0.0505 | 0.0005 | mg/L | 0.0500 | 0.0006 | 100  | 70-130 | 2.58  | 20 |  |
| Selenium   | 0.272  | 0.0010 | mg/L | 0.250  | ND     | 109  | 70-130 | 3.69  | 20 |  |
| Uranium    | 0.0394 | 0.0005 | mg/L | 0.0500 | 0.0011 | 76.5 | 70-130 | 0.591 | 20 |  |
| Zinc       | 0.0514 | 0.0020 | mg/L | 0.0500 | 0.0012 | 100  | 70-130 | 0.454 | 20 |  |

##### Matrix Spike Dup (B251348-MSD2)

Source: 2505198-02 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |       |    |  |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|--|
| Arsenic    | 0.0535 | 0.0010 | mg/L | 0.0500 | ND     | 107  | 70-130 | 1.33  | 20 |  |
| Cadmium    | 0.0513 | 0.0005 | mg/L | 0.0500 | ND     | 103  | 70-130 | 0.702 | 20 |  |
| Copper     | 0.0469 | 0.0010 | mg/L | 0.0500 | ND     | 93.8 | 70-130 | 2.25  | 20 |  |
| Lead       | 0.0481 | 0.0005 | mg/L | 0.0500 | ND     | 96.3 | 70-130 | 0.637 | 20 |  |
| Manganese  | 0.0503 | 0.0005 | mg/L | 0.0500 | 0.0012 | 98.3 | 70-130 | 0.713 | 20 |  |
| Molybdenum | 0.0524 | 0.0005 | mg/L | 0.0500 | 0.0006 | 103  | 70-130 | 0.656 | 20 |  |
| Selenium   | 0.280  | 0.0010 | mg/L | 0.250  | ND     | 112  | 70-130 | 1.39  | 20 |  |
| Uranium    | 0.0502 | 0.0005 | mg/L | 0.0500 | 0.0011 | 98.1 | 70-130 | 0.238 | 20 |  |
| Zinc       | 0.0532 | 0.0020 | mg/L | 0.0500 | 0.0009 | 105  | 70-130 | 1.70  | 20 |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:39

### Dissolved Mercury by CVAFS - Quality Control

| Analyte                                | Result | Reporting Limit | Units | Spike Level                                              | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|----------------------------------------|--------|-----------------|-------|----------------------------------------------------------|---------------|------|-------------|-------|-----------|-------|
| <b>Batch B251333 - EPA 245.7</b>       |        |                 |       |                                                          |               |      |             |       |           |       |
| <b>Blank (B251333-BLK1)</b>            |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25                    |               |      |             |       |           |       |
| Mercury                                | ND     | 100             | ng/L  |                                                          |               |      |             |       |           |       |
| <b>LCS (B251333-BS1)</b>               |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25                    |               |      |             |       |           |       |
| Mercury                                | 884    | 100             | ng/L  | 1000                                                     |               | 88.4 | 76-113      |       |           |       |
| <b>LCS Dup (B251333-BSD1)</b>          |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25                    |               |      |             |       |           |       |
| Mercury                                | 837    | 100             | ng/L  | 1000                                                     |               | 83.7 | 76-113      | 5.53  | 20        |       |
| <b>Matrix Spike (B251333-MS1)</b>      |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505141-01 Prepared: 05/19/25 Analyzed: 05/21/25 |               |      |             |       |           |       |
| Mercury                                | 920    | 100             | ng/L  | 1000                                                     | ND            | 92.0 | 63-111      |       |           |       |
| <b>Matrix Spike (B251333-MS2)</b>      |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505142-01 Prepared: 05/19/25 Analyzed: 05/21/25 |               |      |             |       |           |       |
| Mercury                                | 888    | 100             | ng/L  | 1000                                                     | ND            | 88.8 | 63-111      |       |           |       |
| <b>Matrix Spike Dup (B251333-MSD1)</b> |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505141-01 Prepared: 05/19/25 Analyzed: 05/21/25 |               |      |             |       |           |       |
| Mercury                                | 923    | 100             | ng/L  | 1000                                                     | ND            | 92.3 | 63-111      | 0.335 | 200       |       |
| <b>Matrix Spike Dup (B251333-MSD2)</b> |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505142-01 Prepared: 05/19/25 Analyzed: 05/21/25 |               |      |             |       |           |       |
| Mercury                                | 810    | 100             | ng/L  | 1000                                                     | ND            | 81.0 | 63-111      | 9.11  | 200       |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:39

### Notes and Definitions

|     |                                                                                                                                                                                                                    |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M3  | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B2  | Target analyte detected in continuing calibration blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the blank or less than the reporting limit. |
| DET | Analyte DETECTED                                                                                                                                                                                                   |
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                                                                               |
| NR  | Not Reported                                                                                                                                                                                                       |
| dry | Sample results reported on a dry weight basis<br>*Results reported on as received basis unless designated as dry.                                                                                                  |
| RPD | Relative Percent Difference                                                                                                                                                                                        |
| LCS | Laboratory Control Sample (Blank Spike)                                                                                                                                                                            |
| RL  | Report Limit                                                                                                                                                                                                       |
| MDL | Method Detection Limit                                                                                                                                                                                             |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:39

### Qualifier Summary

| <u>LabNumber</u> | <u>Analysis</u>           | <u>Analyte</u> | <u>Qualifier</u> | <u>TextBody</u>                                                                                                                                                                                                    |
|------------------|---------------------------|----------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B251354-MS1      | Calcium Dissolved by ICP  | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MS1      | Sodium Dissolved by ICP   | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MS2      | Aluminum Dissolved by ICP | Aluminum       | B2               | Target analyte detected in continuing calibration blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the blank or less than the reporting limit. |
| B251354-MS2      | Calcium Dissolved by ICP  | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MS2      | Sodium Dissolved by ICP   | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MSD1     | Calcium Dissolved by ICP  | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MSD1     | Sodium Dissolved by ICP   | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MSD2     | Aluminum Dissolved by ICP | Aluminum       | B2               | Target analyte detected in continuing calibration blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the blank or less than the reporting limit. |
| B251354-MSD2     | Calcium Dissolved by ICP  | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MSD2     | Sodium Dissolved by ICP   | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |

Green Analytical Laboratories

A handwritten signature in blue ink, reading 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.







## SAMPLE CONDITION RECEIPT FORM

 Date/Initials of person examining contents: 5.13.25  
CDN

 Labeled by initials: \_\_\_\_\_  
 (if different than above)
Client Name: GCC EnergyWork Order # 2505-193
 Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ Other

 Custody Seals on Box/Cooler Present: ☐ Yes ☒ No      Seals Intact: ☐ Yes ☐ No      GAL Cooler #: \_\_\_\_\_

 Thermometer Used: #2      Samples on ice, cooling process has begun: ☒ Yes ☐ No

 Type of Ice: ☒ Wet ☐ Blue ☐ None      Cooler Temp: Observed Temp: 4.6 °C      Correction Factor: -0.9 °C      Final Temp: 3.9 °C

\*Temp should be above freezing 6°C

Compliance: ☐ Yes ☒ No

|                                                                                     |                                                                                                  |                                                           |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Chain of Custody Filled Out:                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 1.                                                        |
| COC Signed when Relinquished and Received:                                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 2.                                                        |
| Sampler Name and Signature on COC:<br>*Required for compliance                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 3.                                                        |
| Samples arrived within hold time:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 4.                                                        |
| Correct Containers Used & Intact:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5.                                                        |
| Short Hold Time Analysis (<72hr):                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 6. <u>PH</u>                                              |
| Rush Turn Around Time Requested:                                                    | <input type="checkbox"/> Yes <input type="checkbox"/> No                                         | 7.                                                        |
| Sufficient Volume:                                                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 8.                                                        |
| pH's acceptable upon receipt, where applicable:<br>*Not including metals bottles    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9.                                                        |
| Dissolved Testing Needed:                                                           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 10. <u>Diss</u>                                           |
| Field Filtered: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                  |                                                           |
| Sample Labels match COC:<br>-Includes Date/Time/ID                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 11. <u>No sample time on COC, Bottle labels say 11:46</u> |
| Matrix: <u>MT</u> SL OT                                                             |                                                                                                  |                                                           |
| Trip Blank Present:                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            | 12.                                                       |
| Trip Blank Custody Seals Present:                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            |                                                           |
| VOA's meet headspace requirement (<6mm bubbles)                                     | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            |                                                           |
| Non-Conformance(s):                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 13.                                                       |

## Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

 Comments/Resolution: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
jeremy.allen@greenanalytical.com

29 May 2025

Michael Dickson  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: [none]

Enclosed are the results of analyses for samples received by the laboratory on 05/14/25 08:50. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen  
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101



# Table of Contents

|                                |    |
|--------------------------------|----|
| Samples in Report              | 3  |
| Sample Results                 | 4  |
| 2505194-01: MW-8-EAA           | 4  |
| 2505194-02: MW-8-MI            | 6  |
| 2505194-03: MW-8-PL            | 8  |
| 2505194-04: MW-8-LM            | 10 |
| Quality Assurance Results      | 12 |
| Notes and Definitions          | 20 |
| Qualifier Summary              | 21 |
| Chain of Custody & Attachments | 22 |



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| MW-8-EAA  | 2505194-01    | Water  | 05/13/25 14:18 | 05/14/25 08:50 |       |
| MW-8-MI   | 2505194-02    | Water  | 05/13/25 14:45 | 05/14/25 08:50 |       |
| MW-8-PL   | 2505194-03    | Water  | 05/13/25 15:32 | 05/14/25 08:50 |       |
| MW-8-LM   | 2505194-04    | Water  | 05/13/25 16:13 | 05/14/25 08:50 |       |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

## MW-8-EAA

**2505194-01 (Ground Water)**

**Sampled Date: 05/13/25 14:18**

**Sampled By: Brandon Waddell**

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

### General Chemistry

|                                                |        |       |        |           |    |                |                       |  |     |
|------------------------------------------------|--------|-------|--------|-----------|----|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 465    | 10.0  | 5.55   | mg/L      | 5  | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5  | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5  | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 465    | 10.0  | 5.55   | mg/L      | 5  | 05/21/25 15:00 | 2320 B                |  | JDA |
| Cation/Anion Balance                           | 0.250  | -100  | -100   | %         | 1  | 05/29/25 17:27 | Calculation           |  | JDA |
| Chloride*                                      | 12.0   | 1.00  | 0.497  | mg/L      | 1  | 05/21/25 20:27 | EPA 300.0             |  | AWG |
| Fluoride*                                      | 0.315  | 0.100 | 0.0336 | mg/L      | 1  | 05/21/25 20:27 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007  | mg/L as N | 1  | 05/20/25 14:26 | EPA 353.2             |  | HIC |
| pH*                                            | 7.10   |       |        | pH Units  | 1  | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 20.5   |       |        | pH Units  | 1  | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | 693    | 10.0  | 5.63   | mg/L      | 10 | 05/22/25 11:50 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 1230   | 10.0  |        | mg/L      | 1  | 05/20/25 16:35 | EPA 160.1/SM<br>2540C |  | AWG |
| Total Organic Carbon*                          | 3.47   | 0.500 | 0.220  | mg/L      | 1  | 05/21/25 22:46 | 5310C                 |  | AES |

### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178 | mg/L | 5 | 05/20/25 16:33 | EPA 200.7   |  | AWG |
| Calcium*                      | 164    | 0.500 | 0.362 | mg/L | 5 | 05/20/25 16:33 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 960    | 3.31  | 2.54  | mg/L | 5 | 05/20/25 16:33 | 2340 B      |  | AWG |
| Iron*                         | 2.30   | 0.250 | 0.173 | mg/L | 5 | 05/20/25 16:33 | EPA 200.7   |  | AWG |
| Magnesium*                    | 134    | 0.500 | 0.397 | mg/L | 5 | 05/20/25 16:33 | EPA 200.7   |  | AWG |
| Potassium*                    | <5.00  | 5.00  | 0.906 | mg/L | 5 | 05/20/25 16:33 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 15.0   | 5.35  | 0.104 | mg/L | 5 | 05/20/25 16:33 | Calculation |  | AWG |
| Silicon                       | 7.02   | 2.50  | 0.049 | mg/L | 5 | 05/20/25 16:33 | EPA 200.7   |  | AWG |
| Sodium*                       | 80.3   | 5.00  | 3.78  | mg/L | 5 | 05/20/25 16:33 | EPA 200.7   |  | AWG |

### Dissolved Metals by ICPMS

|             |         |        |         |      |    |                |           |  |     |
|-------------|---------|--------|---------|------|----|----------------|-----------|--|-----|
| Arsenic*    | 0.0025  | 0.0020 | 0.0008  | mg/L | 2  | 05/16/25 17:58 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0010 | 0.0010 | 0.00009 | mg/L | 2  | 05/16/25 17:58 | EPA 200.8 |  | AES |
| Copper*     | 0.0146  | 0.0020 | 0.0015  | mg/L | 2  | 05/16/25 17:58 | EPA 200.8 |  | AES |
| Lead*       | <0.0010 | 0.0010 | 0.0002  | mg/L | 2  | 05/16/25 17:58 | EPA 200.8 |  | AES |
| Manganese*  | 4.37    | 0.0100 | 0.0037  | mg/L | 20 | 05/20/25 11:23 | EPA 200.8 |  | AES |
| Molybdenum* | <0.0010 | 0.0010 | 0.00009 | mg/L | 2  | 05/16/25 17:58 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

### MW-8-EAA

**2505194-01 (Ground Water)**

**Sampled Date: 05/13/25 14:18**

**Sampled By: Brandon Waddell**

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

#### **Dissolved Metals by ICPMS**

|                  |               |        |         |      |   |                |           |  |     |
|------------------|---------------|--------|---------|------|---|----------------|-----------|--|-----|
| <b>Selenium*</b> | <0.0020       | 0.0020 | 0.0007  | mg/L | 2 | 05/16/25 17:58 | EPA 200.8 |  | AES |
| <b>Uranium</b>   | <b>0.0018</b> | 0.0010 | 0.00005 | mg/L | 2 | 05/16/25 17:58 | EPA 200.8 |  | AES |
| <b>Zinc*</b>     | <b>0.0236</b> | 0.0040 | 0.0010  | mg/L | 2 | 05/16/25 17:58 | EPA 200.8 |  | AES |

#### **Dissolved Mercury by CVAFS**

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/21/25 16:07 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

## MW-8-MI

**2505194-02 (Ground Water)**

**Sampled Date: 05/13/25 14:45**

**Sampled By: Brandon Waddell**

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

### General Chemistry

|                                                |        |       |        |           |   |                |                       |  |     |
|------------------------------------------------|--------|-------|--------|-----------|---|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 590    | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 590    | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Cation/Anion Balance                           | -1.44  | -100  | -100   | %         | 1 | 05/29/25 17:27 | Calculation           |  | JDA |
| Chloride*                                      | 8.39   | 1.00  | 0.497  | mg/L      | 1 | 05/21/25 20:52 | EPA 300.0             |  | AWG |
| Fluoride*                                      | 0.118  | 0.100 | 0.0336 | mg/L      | 1 | 05/21/25 20:52 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007  | mg/L as N | 1 | 05/20/25 14:27 | EPA 353.2             |  | HIC |
| pH*                                            | 7.31   |       |        | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 20.5   |       |        | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | 336    | 5.00  | 2.81   | mg/L      | 5 | 05/22/25 12:15 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 895    | 10.0  |        | mg/L      | 1 | 05/20/25 16:37 | EPA 160.1/SM<br>2540C |  | AWG |
| Total Organic Carbon*                          | 2.60   | 0.500 | 0.220  | mg/L      | 1 | 05/21/25 23:05 | 5310C                 |  | AES |

### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178 | mg/L | 5 | 05/20/25 16:35 | EPA 200.7   |  | AWG |
| Calcium*                      | 72.1   | 0.500 | 0.362 | mg/L | 5 | 05/20/25 16:35 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 394    | 3.31  | 2.54  | mg/L | 5 | 05/20/25 16:35 | 2340 B      |  | AWG |
| Iron*                         | <0.250 | 0.250 | 0.173 | mg/L | 5 | 05/20/25 16:35 | EPA 200.7   |  | AWG |
| Magnesium*                    | 52.0   | 0.500 | 0.397 | mg/L | 5 | 05/20/25 16:35 | EPA 200.7   |  | AWG |
| Potassium*                    | 6.00   | 5.00  | 0.906 | mg/L | 5 | 05/20/25 16:35 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 13.3   | 5.35  | 0.104 | mg/L | 5 | 05/20/25 16:35 | Calculation |  | AWG |
| Silicon                       | 6.22   | 2.50  | 0.049 | mg/L | 5 | 05/20/25 16:35 | EPA 200.7   |  | AWG |
| Sodium*                       | 220    | 5.00  | 3.78  | mg/L | 5 | 05/20/25 16:35 | EPA 200.7   |  | AWG |

### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |           |  |     |
|-------------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Arsenic*    | <0.0020 | 0.0020 | 0.0008  | mg/L | 2 | 05/16/25 18:00 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 05/16/25 18:00 | EPA 200.8 |  | AES |
| Copper*     | 0.0089  | 0.0020 | 0.0015  | mg/L | 2 | 05/16/25 18:00 | EPA 200.8 |  | AES |
| Lead*       | <0.0010 | 0.0010 | 0.0002  | mg/L | 2 | 05/16/25 18:00 | EPA 200.8 |  | AES |
| Manganese*  | 0.0623  | 0.0010 | 0.0004  | mg/L | 2 | 05/16/25 18:00 | EPA 200.8 |  | AES |
| Molybdenum* | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 05/16/25 18:00 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

### MW-8-MI

**2505194-02 (Ground Water)**

**Sampled Date: 05/13/25 14:45**

**Sampled By: Brandon Waddell**

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

#### **Dissolved Metals by ICPMS**

|                  |               |        |         |      |   |                |           |  |     |
|------------------|---------------|--------|---------|------|---|----------------|-----------|--|-----|
| <b>Selenium*</b> | <b>0.0099</b> | 0.0020 | 0.0007  | mg/L | 2 | 05/16/25 18:00 | EPA 200.8 |  | AES |
| <b>Uranium</b>   | <0.0010       | 0.0010 | 0.00005 | mg/L | 2 | 05/16/25 18:00 | EPA 200.8 |  | AES |
| <b>Zinc*</b>     | <b>0.0199</b> | 0.0040 | 0.0010  | mg/L | 2 | 05/16/25 18:00 | EPA 200.8 |  | AES |

#### **Dissolved Mercury by CVAFS**

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/21/25 16:09 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

## MW-8-PL

**2505194-03 (Ground Water)**

**Sampled Date: 05/13/25 15:32**

**Sampled By: Brandon Waddell**

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

### General Chemistry

|                                                |        |       |        |           |   |                |                       |  |     |
|------------------------------------------------|--------|-------|--------|-----------|---|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 390    | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 390    | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Cation/Anion Balance                           | 2.31   | -100  | -100   | %         | 1 | 05/29/25 17:27 | Calculation           |  | JDA |
| Chloride*                                      | 3.52   | 1.00  | 0.497  | mg/L      | 1 | 05/21/25 21:16 | EPA 300.0             |  | AWG |
| Fluoride*                                      | 0.202  | 0.100 | 0.0336 | mg/L      | 1 | 05/21/25 21:16 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007  | mg/L as N | 1 | 05/20/25 14:28 | EPA 353.2             |  | HIC |
| pH*                                            | 7.47   |       |        | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 20.2   |       |        | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | 108    | 1.00  | 0.563  | mg/L      | 1 | 05/21/25 21:16 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 275    | 10.0  |        | mg/L      | 1 | 05/20/25 16:39 | EPA 160.1/SM<br>2540C |  | AWG |
| Total Organic Carbon*                          | 1.26   | 0.500 | 0.220  | mg/L      | 1 | 05/21/25 23:30 | 5310C                 |  | AES |

### Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 05/20/25 16:37 | EPA 200.7   |  | AWG |
| Calcium*                      | 54.8   | 0.100 | 0.072  | mg/L | 1 | 05/20/25 16:37 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 292    | 0.662 | 0.507  | mg/L | 1 | 05/20/25 16:37 | 2340 B      |  | AWG |
| Iron*                         | 0.063  | 0.050 | 0.035  | mg/L | 1 | 05/20/25 16:37 | EPA 200.7   |  | AWG |
| Magnesium*                    | 37.7   | 0.100 | 0.079  | mg/L | 1 | 05/20/25 16:37 | EPA 200.7   |  | AWG |
| Potassium*                    | 1.64   | 1.00  | 0.181  | mg/L | 1 | 05/20/25 16:37 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 20.1   | 1.07  | 0.0208 | mg/L | 1 | 05/20/25 16:37 | Calculation |  | AWG |
| Silicon                       | 9.39   | 0.500 | 0.010  | mg/L | 1 | 05/20/25 16:37 | EPA 200.7   |  | AWG |
| Sodium*                       | 78.4   | 1.00  | 0.756  | mg/L | 1 | 05/20/25 16:37 | EPA 200.7   |  | AWG |

### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |           |  |     |
|-------------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Arsenic*    | 0.0025  | 0.0010 | 0.0004  | mg/L | 1 | 05/16/25 18:01 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00005 | mg/L | 1 | 05/16/25 18:01 | EPA 200.8 |  | AES |
| Copper*     | 0.0051  | 0.0010 | 0.0007  | mg/L | 1 | 05/16/25 18:01 | EPA 200.8 |  | AES |
| Lead*       | <0.0005 | 0.0005 | 0.0001  | mg/L | 1 | 05/16/25 18:01 | EPA 200.8 |  | AES |
| Manganese*  | 0.0767  | 0.0005 | 0.0002  | mg/L | 1 | 05/16/25 18:01 | EPA 200.8 |  | AES |
| Molybdenum* | <0.0005 | 0.0005 | 0.00004 | mg/L | 1 | 05/16/25 18:01 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

### MW-8-PL

**2505194-03 (Ground Water)**

**Sampled Date: 05/13/25 15:32**

**Sampled By: Brandon Waddell**

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

#### **Dissolved Metals by ICPMS**

|                  |               |        |         |      |   |                |           |  |     |
|------------------|---------------|--------|---------|------|---|----------------|-----------|--|-----|
| <b>Selenium*</b> | <b>0.0014</b> | 0.0010 | 0.0004  | mg/L | 1 | 05/16/25 18:01 | EPA 200.8 |  | AES |
| <b>Uranium</b>   | <0.0005       | 0.0005 | 0.00002 | mg/L | 1 | 05/16/25 18:01 | EPA 200.8 |  | AES |
| <b>Zinc*</b>     | <b>0.0128</b> | 0.0020 | 0.0005  | mg/L | 1 | 05/16/25 18:01 | EPA 200.8 |  | AES |

#### **Dissolved Mercury by CVAFS**

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/21/25 16:12 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

## MW-8-LM

**2505194-04 (Ground Water)**

**Sampled Date: 05/13/25 16:13**

**Sampled By: Brandon Waddell**

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

### General Chemistry

|                                                |        |       |        |           |   |                |                       |  |     |
|------------------------------------------------|--------|-------|--------|-----------|---|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 740    | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 140    | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 600    | 10.0  | 5.55   | mg/L      | 5 | 05/21/25 15:00 | 2320 B                |  | JDA |
| Cation/Anion Balance                           | -2.59  | -100  | -100   | %         | 1 | 05/29/25 17:27 | Calculation           |  | JDA |
| Chloride*                                      | 2.50   | 1.00  | 0.497  | mg/L      | 1 | 05/21/25 21:41 | EPA 300.0             |  | AWG |
| Fluoride*                                      | 3.80   | 0.100 | 0.0336 | mg/L      | 1 | 05/21/25 21:41 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007  | mg/L as N | 1 | 05/20/25 14:32 | EPA 353.2             |  | HIC |
| pH*                                            | 8.60   |       |        | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 19.6   |       |        | pH Units  | 1 | 05/14/25 09:41 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | <1.00  | 1.00  | 0.563  | mg/L      | 1 | 05/21/25 21:41 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 740    | 10.0  |        | mg/L      | 1 | 05/20/25 16:41 | EPA 160.1/SM<br>2540C |  | AWG |
| Total Organic Carbon*                          | 1.49   | 0.500 | 0.220  | mg/L      | 1 | 05/21/25 23:49 | 5310C                 |  | AES |

### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178 | mg/L | 5 | 05/20/25 16:39 | EPA 200.7   |  | AWG |
| Calcium*                      | 1.87   | 0.500 | 0.362 | mg/L | 5 | 05/20/25 16:39 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 7.45   | 3.31  | 2.54  | mg/L | 5 | 05/20/25 16:39 | 2340 B      |  | AWG |
| Iron*                         | <0.250 | 0.250 | 0.173 | mg/L | 5 | 05/20/25 16:39 | EPA 200.7   |  | AWG |
| Magnesium*                    | 0.675  | 0.500 | 0.397 | mg/L | 5 | 05/20/25 16:39 | EPA 200.7   |  | AWG |
| Potassium*                    | <5.00  | 5.00  | 0.906 | mg/L | 5 | 05/20/25 16:39 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 8.27   | 5.35  | 0.104 | mg/L | 5 | 05/20/25 16:39 | Calculation |  | AWG |
| Silicon                       | 3.87   | 2.50  | 0.049 | mg/L | 5 | 05/20/25 16:39 | EPA 200.7   |  | AWG |
| Sodium*                       | 312    | 5.00  | 3.78  | mg/L | 5 | 05/20/25 16:39 | EPA 200.7   |  | AWG |

### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |           |  |     |
|-------------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Arsenic*    | <0.0020 | 0.0020 | 0.0008  | mg/L | 2 | 05/16/25 18:03 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 05/16/25 18:03 | EPA 200.8 |  | AES |
| Copper*     | 0.0128  | 0.0020 | 0.0015  | mg/L | 2 | 05/16/25 18:03 | EPA 200.8 |  | AES |
| Lead*       | <0.0010 | 0.0010 | 0.0002  | mg/L | 2 | 05/16/25 18:03 | EPA 200.8 |  | AES |
| Manganese*  | 0.0024  | 0.0010 | 0.0004  | mg/L | 2 | 05/16/25 18:03 | EPA 200.8 |  | AES |
| Molybdenum* | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 05/16/25 18:03 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

### MW-8-LM

**2505194-04 (Ground Water)**

**Sampled Date: 05/13/25 16:13**

**Sampled By: Brandon Waddell**

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

#### Dissolved Metals by ICPMS

|                  |               |        |         |      |   |                |           |  |     |
|------------------|---------------|--------|---------|------|---|----------------|-----------|--|-----|
| <b>Selenium*</b> | <0.0020       | 0.0020 | 0.0007  | mg/L | 2 | 05/16/25 18:03 | EPA 200.8 |  | AES |
| <b>Uranium</b>   | <0.0010       | 0.0010 | 0.00005 | mg/L | 2 | 05/16/25 18:03 | EPA 200.8 |  | AES |
| <b>Zinc*</b>     | <b>0.0135</b> | 0.0040 | 0.0010  | mg/L | 2 | 05/16/25 18:03 | EPA 200.8 |  | AES |

#### Dissolved Mercury by CVAFS

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/21/25 16:21 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

### General Chemistry - Quality Control

| Analyte                                        | Result | Reporting Limit | Units     | Spike Level                                              | Source Result | %REC | %REC Limits  | RPD   | RPD Limit | Notes |
|------------------------------------------------|--------|-----------------|-----------|----------------------------------------------------------|---------------|------|--------------|-------|-----------|-------|
| <b>Batch B251286 - Lachat</b>                  |        |                 |           |                                                          |               |      |              |       |           |       |
| <b>Blank (B251286-BLK1)</b>                    |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | ND     | 0.020           | mg/L as N |                                                          |               |      |              |       |           |       |
| <b>LCS (B251286-BS1)</b>                       |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.01   | 0.020           | mg/L as N | 1.00                                                     |               | 101  | 90-110       |       |           |       |
| <b>LCS Dup (B251286-BSD1)</b>                  |        |                 |           | Prepared: 05/15/25 Analyzed: 05/20/25                    |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.01   | 0.020           | mg/L as N | 1.00                                                     |               | 101  | 90-110       | 0.198 | 20        |       |
| <b>Matrix Spike (B251286-MS1)</b>              |        |                 |           | Source: 2505177-01 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 0.966  | 0.020           | mg/L as N | 1.00                                                     | ND            | 96.6 | 90-110       |       |           |       |
| <b>Matrix Spike (B251286-MS2)</b>              |        |                 |           | Source: 2505177-02 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.03   | 0.020           | mg/L as N | 1.00                                                     | ND            | 103  | 90-110       |       |           |       |
| <b>Matrix Spike Dup (B251286-MSD1)</b>         |        |                 |           | Source: 2505177-01 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 0.977  | 0.020           | mg/L as N | 1.00                                                     | ND            | 97.7 | 90-110       | 1.12  | 20        |       |
| <b>Matrix Spike Dup (B251286-MSD2)</b>         |        |                 |           | Source: 2505177-02 Prepared: 05/15/25 Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.04   | 0.020           | mg/L as N | 1.00                                                     | ND            | 104  | 90-110       | 0.581 | 20        |       |
| <b>Batch B251288 - General Prep - Wet Chem</b> |        |                 |           |                                                          |               |      |              |       |           |       |
| <b>Duplicate (B251288-DUP1)</b>                |        |                 |           | Source: 2505148-01 Prepared & Analyzed: 05/14/25         |               |      |              |       |           |       |
| pH                                             | 7.70   |                 | pH Units  |                                                          | 7.66          |      |              | 0.521 | 20        |       |
| pH Temperature, degrees C                      | 20.6   |                 | pH Units  |                                                          | 21.1          |      |              | 2.40  | 200       |       |
| <b>Duplicate (B251288-DUP2)</b>                |        |                 |           | Source: 2505157-01 Prepared & Analyzed: 05/14/25         |               |      |              |       |           |       |
| pH                                             | 7.52   |                 | pH Units  |                                                          | 7.52          |      |              | 0.00  | 20        |       |
| pH Temperature, degrees C                      | 20.4   |                 | pH Units  |                                                          | 20.4          |      |              | 0.00  | 200       |       |
| <b>Reference (B251288-SRM1)</b>                |        |                 |           | Prepared & Analyzed: 05/14/25                            |               |      |              |       |           |       |
| pH                                             | 6.94   |                 | pH Units  | 7.00                                                     |               | 99.1 | 98.57-101.42 |       |           |       |
| <b>Batch B251355 - General Prep - Wet Chem</b> |        |                 |           |                                                          |               |      |              |       |           |       |
| <b>Blank (B251355-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 05/20/25                            |               |      |              |       |           |       |
| Total Dissolved Solids                         | ND     | 10.0            | mg/L      |                                                          |               |      |              |       |           |       |
| <b>Duplicate (B251355-DUP1)</b>                |        |                 |           | Source: 2505178-06 Prepared & Analyzed: 05/20/25         |               |      |              |       |           |       |
| Total Dissolved Solids                         | 530    | 10.0            | mg/L      |                                                          | 615           |      |              | 14.8  | 20        |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251355 - General Prep - Wet Chem (Continued)

##### Reference (B251355-SRM1)

Prepared & Analyzed: 05/20/25

|                        |     |      |      |     |  |      |        |  |  |  |
|------------------------|-----|------|------|-----|--|------|--------|--|--|--|
| Total Dissolved Solids | 355 | 10.0 | mg/L | 400 |  | 88.7 | 85-115 |  |  |  |
|------------------------|-----|------|------|-----|--|------|--------|--|--|--|

#### Batch B251359 - General Prep - Wet Chem

##### Blank (B251359-BLK1)

Prepared: 05/20/25 Analyzed: 05/21/25

|                                              |    |      |      |  |  |  |  |  |  |  |
|----------------------------------------------|----|------|------|--|--|--|--|--|--|--|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | ND | 10.0 | mg/L |  |  |  |  |  |  |  |

##### LCS (B251359-BS1)

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |  |     |        |  |  |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 106 | 10.0 | mg/L | 100 |  | 106 | 85-115 |  |  |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|

##### LCS Dup (B251359-BSD1)

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |  |     |        |       |    |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|-------|----|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 107 | 10.0 | mg/L | 100 |  | 107 | 85-115 | 0.939 | 20 |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|-------|----|--|

##### Matrix Spike (B251359-MS1)

Source: 2505157-01

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |     |      |        |  |  |  |
|----------------------------------------|-----|------|------|-----|-----|------|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 668 | 10.0 | mg/L | 100 | 576 | 92.0 | 80-120 |  |  |  |
|----------------------------------------|-----|------|------|-----|-----|------|--------|--|--|--|

##### Matrix Spike (B251359-MS2)

Source: 2505178-01

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |      |      |        |  |  |  |
|----------------------------------------|-----|------|------|-----|------|------|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 183 | 10.0 | mg/L | 100 | 86.0 | 97.0 | 80-120 |  |  |  |
|----------------------------------------|-----|------|------|-----|------|------|--------|--|--|--|

##### Matrix Spike Dup (B251359-MSD1)

Source: 2505157-01

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |     |      |        |       |    |  |
|----------------------------------------|-----|------|------|-----|-----|------|--------|-------|----|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 670 | 10.0 | mg/L | 100 | 576 | 94.0 | 80-120 | 0.299 | 20 |  |
|----------------------------------------|-----|------|------|-----|-----|------|--------|-------|----|--|

##### Matrix Spike Dup (B251359-MSD2)

Source: 2505178-01

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |      |      |        |       |    |  |
|----------------------------------------|-----|------|------|-----|------|------|--------|-------|----|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 184 | 10.0 | mg/L | 100 | 86.0 | 98.0 | 80-120 | 0.545 | 20 |  |
|----------------------------------------|-----|------|------|-----|------|------|--------|-------|----|--|

##### Reference (B251359-SRM1)

Prepared: 05/20/25 Analyzed: 05/21/25

|                                        |     |      |      |     |  |     |        |  |  |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 101 | 10.0 | mg/L | 100 |  | 101 | 85-115 |  |  |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|

#### Batch B251363 - IC- Ion Chromatograph

##### Blank (B251363-BLK1)

Prepared & Analyzed: 05/21/25

|          |    |       |      |  |  |  |  |  |  |  |
|----------|----|-------|------|--|--|--|--|--|--|--|
| Chloride | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Fluoride | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Sulfate  | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251363-BS1)

Prepared & Analyzed: 05/21/25

|          |      |       |      |      |  |      |        |  |  |  |
|----------|------|-------|------|------|--|------|--------|--|--|--|
| Chloride | 23.9 | 1.00  | mg/L | 25.0 |  | 95.5 | 90-110 |  |  |  |
| Fluoride | 2.42 | 0.100 | mg/L | 2.50 |  | 96.8 | 90-110 |  |  |  |
| Sulfate  | 23.5 | 1.00  | mg/L | 25.0 |  | 94.0 | 90-110 |  |  |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251363 - IC- Ion Chromatograph (Continued)

##### LCS Dup (B251363-BSD1)

Prepared & Analyzed: 05/21/25

|          |      |       |      |      |  |      |        |      |    |  |
|----------|------|-------|------|------|--|------|--------|------|----|--|
| Chloride | 24.5 | 1.00  | mg/L | 25.0 |  | 98.1 | 90-110 | 2.70 | 20 |  |
| Fluoride | 2.49 | 0.100 | mg/L | 2.50 |  | 99.5 | 90-110 | 2.73 | 20 |  |
| Sulfate  | 24.2 | 1.00  | mg/L | 25.0 |  | 96.6 | 90-110 | 2.72 | 20 |  |

##### Matrix Spike (B251363-MS1)

Source: 2505208-01 Prepared: 05/21/25 Analyzed: 05/22/25

|          |      |       |      |      |       |      |        |  |  |  |
|----------|------|-------|------|------|-------|------|--------|--|--|--|
| Chloride | 30.5 | 1.00  | mg/L | 25.0 | 6.78  | 94.9 | 85-115 |  |  |  |
| Fluoride | 3.03 | 0.100 | mg/L | 2.50 | 0.670 | 94.2 | 85-115 |  |  |  |
| Sulfate  | 38.9 | 1.00  | mg/L | 25.0 | 15.4  | 94.2 | 85-115 |  |  |  |

##### Matrix Spike (B251363-MS2)

Source: 2505209-01 Prepared: 05/21/25 Analyzed: 05/22/25

|          |      |       |      |      |       |      |        |  |  |  |
|----------|------|-------|------|------|-------|------|--------|--|--|--|
| Chloride | 24.2 | 1.00  | mg/L | 25.0 | 0.746 | 93.8 | 85-115 |  |  |  |
| Fluoride | 2.53 | 0.100 | mg/L | 2.50 | 0.201 | 93.2 | 85-115 |  |  |  |
| Sulfate  | 59.3 | 1.00  | mg/L | 25.0 | 35.4  | 95.7 | 85-115 |  |  |  |

##### Matrix Spike Dup (B251363-MSD1)

Source: 2505208-01 Prepared: 05/21/25 Analyzed: 05/22/25

|          |      |       |      |      |       |      |        |      |    |  |
|----------|------|-------|------|------|-------|------|--------|------|----|--|
| Chloride | 31.2 | 1.00  | mg/L | 25.0 | 6.78  | 97.7 | 85-115 | 2.26 | 20 |  |
| Fluoride | 3.10 | 0.100 | mg/L | 2.50 | 0.670 | 97.1 | 85-115 | 2.35 | 20 |  |
| Sulfate  | 39.6 | 1.00  | mg/L | 25.0 | 15.4  | 97.1 | 85-115 | 1.88 | 20 |  |

##### Matrix Spike Dup (B251363-MSD2)

Source: 2505209-01 Prepared: 05/21/25 Analyzed: 05/22/25

|          |      |       |      |      |       |      |        |       |    |  |
|----------|------|-------|------|------|-------|------|--------|-------|----|--|
| Chloride | 24.8 | 1.00  | mg/L | 25.0 | 0.746 | 96.1 | 85-115 | 2.39  | 20 |  |
| Fluoride | 2.59 | 0.100 | mg/L | 2.50 | 0.201 | 95.7 | 85-115 | 2.38  | 20 |  |
| Sulfate  | 59.9 | 1.00  | mg/L | 25.0 | 35.4  | 97.8 | 85-115 | 0.886 | 20 |  |

#### Batch B251365 - General Prep - Wet Chem

##### Blank (B251365-BLK1)

Prepared & Analyzed: 05/21/25

|                      |    |       |      |  |  |  |  |  |  |  |
|----------------------|----|-------|------|--|--|--|--|--|--|--|
| Total Organic Carbon | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
|----------------------|----|-------|------|--|--|--|--|--|--|--|

##### LCS (B251365-BS1)

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |  |      |        |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|
| Total Organic Carbon | 9.78 | 0.500 | mg/L | 10.0 |  | 97.8 | 85-115 |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|

##### LCS Dup (B251365-BSD1)

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |  |      |        |       |    |  |
|----------------------|------|-------|------|------|--|------|--------|-------|----|--|
| Total Organic Carbon | 9.81 | 0.500 | mg/L | 10.0 |  | 98.1 | 85-115 | 0.306 | 20 |  |
|----------------------|------|-------|------|------|--|------|--------|-------|----|--|

##### Matrix Spike (B251365-MS1)

Source: 2505178-02 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 12.2 | 0.500 | mg/L | 10.0 | 3.06 | 91.6 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

##### Matrix Spike (B251365-MS2)

Source: 2505190-01 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 10.6 | 0.500 | mg/L | 10.0 | 1.18 | 94.1 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

##### Matrix Spike Dup (B251365-MSD1)

Source: 2505178-02 Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |      |    |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|
| Total Organic Carbon | 12.6 | 0.500 | mg/L | 10.0 | 3.06 | 95.2 | 80-120 | 2.90 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251365 - General Prep - Wet Chem (Continued)

#### Matrix Spike Dup (B251365-MSD2)

Source: 2505190-01

Prepared & Analyzed: 05/21/25

|                      |      |       |      |      |      |      |        |      |    |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|
| Total Organic Carbon | 10.8 | 0.500 | mg/L | 10.0 | 1.18 | 96.1 | 80-120 | 1.87 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

### Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251354 - Dissolved ICP

| Matrix Spike (B251354-MS1) |      | Source: 2505145-01 |      | Prepared & Analyzed: 05/20/25 |      |      |        |  |  |    |
|----------------------------|------|--------------------|------|-------------------------------|------|------|--------|--|--|----|
| Aluminum                   | 3.84 | 0.050              | mg/L | 4.00                          | ND   | 96.0 | 70-130 |  |  |    |
| Calcium                    | 55.4 | 0.100              | mg/L | 4.00                          | 55.2 | 5.71 | 70-130 |  |  | M3 |
| Iron                       | 3.83 | 0.050              | mg/L | 4.00                          | ND   | 95.7 | 70-130 |  |  |    |
| Magnesium                  | 31.7 | 0.100              | mg/L | 20.0                          | 12.3 | 96.8 | 70-130 |  |  |    |
| Potassium                  | 22.4 | 1.00               | mg/L | 8.00                          | 15.4 | 86.9 | 70-130 |  |  |    |
| Silicon                    | 5.98 | 0.500              | mg/L | 4.00                          | 2.00 | 99.5 | 70-130 |  |  |    |
| Sodium                     | 54.5 | 1.00               | mg/L | 3.24                          | 53.9 | 18.1 | 70-130 |  |  | M3 |

| Matrix Spike (B251354-MS2) |      | Source: 2505196-01 |      | Prepared & Analyzed: 05/20/25 |       |      |        |  |  |    |
|----------------------------|------|--------------------|------|-------------------------------|-------|------|--------|--|--|----|
| Aluminum                   | 3.83 | 0.050              | mg/L | 4.00                          | ND    | 95.7 | 70-130 |  |  | B2 |
| Calcium                    | 61.8 | 0.100              | mg/L | 4.00                          | 62.4  | NR   | 70-130 |  |  | M3 |
| Iron                       | 3.79 | 0.050              | mg/L | 4.00                          | ND    | 94.9 | 70-130 |  |  |    |
| Magnesium                  | 37.5 | 0.100              | mg/L | 20.0                          | 18.2  | 96.4 | 70-130 |  |  |    |
| Potassium                  | 10.6 | 1.00               | mg/L | 8.00                          | 3.13  | 93.0 | 70-130 |  |  |    |
| Silicon                    | 4.13 | 0.500              | mg/L | 4.00                          | 0.215 | 97.9 | 70-130 |  |  |    |
| Sodium                     | 20.1 | 1.00               | mg/L | 3.24                          | 18.1  | 62.3 | 70-130 |  |  | M3 |

| Matrix Spike Dup (B251354-MSD1) |      | Source: 2505145-01 |      | Prepared & Analyzed: 05/20/25 |      |      |        |       |    |    |
|---------------------------------|------|--------------------|------|-------------------------------|------|------|--------|-------|----|----|
| Aluminum                        | 3.74 | 0.250              | mg/L | 4.00                          | ND   | 93.6 | 70-130 | 2.59  | 20 |    |
| Calcium                         | 55.9 | 0.500              | mg/L | 4.00                          | 55.2 | 18.0 | 70-130 | 0.880 | 20 | M3 |
| Iron                            | 3.78 | 0.250              | mg/L | 4.00                          | ND   | 94.5 | 70-130 | 1.28  | 20 |    |
| Magnesium                       | 31.4 | 0.500              | mg/L | 20.0                          | 12.3 | 95.2 | 70-130 | 1.01  | 20 |    |
| Potassium                       | 22.5 | 5.00               | mg/L | 8.00                          | 15.4 | 88.3 | 70-130 | 0.512 | 20 |    |
| Silicon                         | 5.83 | 2.50               | mg/L | 4.00                          | 2.00 | 95.7 | 70-130 | 2.57  | 20 |    |
| Sodium                          | 54.8 | 5.00               | mg/L | 3.24                          | 53.9 | 28.9 | 70-130 | 0.643 | 20 | M3 |

| Matrix Spike Dup (B251354-MSD2) |      | Source: 2505196-01 |      | Prepared & Analyzed: 05/20/25 |       |      |        |       |    |    |
|---------------------------------|------|--------------------|------|-------------------------------|-------|------|--------|-------|----|----|
| Aluminum                        | 3.82 | 0.250              | mg/L | 4.00                          | ND    | 95.4 | 70-130 | 0.317 | 20 | B2 |
| Calcium                         | 61.1 | 0.500              | mg/L | 4.00                          | 62.4  | NR   | 70-130 | 1.14  | 20 | M3 |
| Iron                            | 3.69 | 0.250              | mg/L | 4.00                          | ND    | 92.3 | 70-130 | 2.78  | 20 |    |
| Magnesium                       | 36.9 | 0.500              | mg/L | 20.0                          | 18.2  | 93.1 | 70-130 | 1.78  | 20 |    |
| Potassium                       | 10.9 | 5.00               | mg/L | 8.00                          | 3.13  | 97.0 | 70-130 | 2.92  | 20 |    |
| Silicon                         | 3.93 | 2.50               | mg/L | 4.00                          | 0.215 | 92.9 | 70-130 | 5.05  | 20 |    |
| Sodium                          | 20.2 | 5.00               | mg/L | 3.24                          | 18.1  | 64.5 | 70-130 | 0.362 | 20 | M3 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

### Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251291 - Dissolved ICPMS

##### Blank (B251291-BLK1)

Prepared: 05/15/25 Analyzed: 05/16/25

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0010 | mg/L |
| Cadmium    | ND | 0.0005 | mg/L |
| Copper     | ND | 0.0010 | mg/L |
| Lead       | ND | 0.0005 | mg/L |
| Manganese  | ND | 0.0005 | mg/L |
| Molybdenum | ND | 0.0005 | mg/L |
| Selenium   | ND | 0.0010 | mg/L |
| Uranium    | ND | 0.0005 | mg/L |
| Zinc       | ND | 0.0020 | mg/L |

##### LCS (B251291-BS1)

Prepared: 05/15/25 Analyzed: 05/16/25

|            |        |        |      |        |      |        |
|------------|--------|--------|------|--------|------|--------|
| Arsenic    | 0.0498 | 0.0010 | mg/L | 0.0500 | 99.5 | 85-115 |
| Cadmium    | 0.0491 | 0.0005 | mg/L | 0.0500 | 98.2 | 85-115 |
| Copper     | 0.0516 | 0.0010 | mg/L | 0.0500 | 103  | 85-115 |
| Lead       | 0.0509 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |
| Manganese  | 0.0512 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |
| Molybdenum | 0.0496 | 0.0005 | mg/L | 0.0500 | 99.3 | 85-115 |
| Selenium   | 0.245  | 0.0010 | mg/L | 0.250  | 98.2 | 85-115 |
| Uranium    | 0.0514 | 0.0005 | mg/L | 0.0500 | 103  | 85-115 |
| Zinc       | 0.0525 | 0.0020 | mg/L | 0.0500 | 105  | 85-115 |

##### LCS Dup (B251291-BSD1)

Prepared: 05/15/25 Analyzed: 05/16/25

|            |        |        |      |        |      |        |       |    |
|------------|--------|--------|------|--------|------|--------|-------|----|
| Arsenic    | 0.0503 | 0.0010 | mg/L | 0.0500 | 101  | 85-115 | 1.02  | 20 |
| Cadmium    | 0.0499 | 0.0005 | mg/L | 0.0500 | 99.7 | 85-115 | 1.51  | 20 |
| Copper     | 0.0513 | 0.0010 | mg/L | 0.0500 | 103  | 85-115 | 0.487 | 20 |
| Lead       | 0.0504 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 1.04  | 20 |
| Manganese  | 0.0521 | 0.0005 | mg/L | 0.0500 | 104  | 85-115 | 1.81  | 20 |
| Molybdenum | 0.0498 | 0.0005 | mg/L | 0.0500 | 99.5 | 85-115 | 0.252 | 20 |
| Selenium   | 0.250  | 0.0010 | mg/L | 0.250  | 99.8 | 85-115 | 1.65  | 20 |
| Uranium    | 0.0513 | 0.0005 | mg/L | 0.0500 | 103  | 85-115 | 0.201 | 20 |
| Zinc       | 0.0529 | 0.0020 | mg/L | 0.0500 | 106  | 85-115 | 0.753 | 20 |

##### Matrix Spike (B251291-MS1)

Source: 2505101-05

Prepared: 05/15/25 Analyzed: 05/16/25

|            |        |        |      |        |        |      |        |
|------------|--------|--------|------|--------|--------|------|--------|
| Arsenic    | 0.0544 | 0.0010 | mg/L | 0.0500 | 0.0015 | 106  | 70-130 |
| Cadmium    | 0.0467 | 0.0005 | mg/L | 0.0500 | ND     | 93.3 | 70-130 |
| Copper     | 0.0476 | 0.0010 | mg/L | 0.0500 | 0.0062 | 82.8 | 70-130 |
| Lead       | 0.0473 | 0.0005 | mg/L | 0.0500 | ND     | 94.6 | 70-130 |
| Manganese  | 0.0950 | 0.0005 | mg/L | 0.0500 | 0.0537 | 82.6 | 70-130 |
| Molybdenum | 0.0526 | 0.0005 | mg/L | 0.0500 | 0.0015 | 102  | 70-130 |
| Selenium   | 0.261  | 0.0010 | mg/L | 0.250  | 0.0010 | 104  | 70-130 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

**Dissolved Metals by ICPMS - Quality Control  
(Continued)**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch B251291 - Dissolved ICPMS (Continued)**

**Matrix Spike (B251291-MS1) (Continued)**

Source: 2505101-05 Prepared: 05/15/25 Analyzed: 05/16/25

|         |        |        |      |        |        |      |        |  |  |  |
|---------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Uranium | 0.0548 | 0.0005 | mg/L | 0.0500 | 0.0011 | 107  | 70-130 |  |  |  |
| Zinc    | 0.0562 | 0.0020 | mg/L | 0.0500 | 0.0146 | 83.2 | 70-130 |  |  |  |

**Matrix Spike Dup (B251291-MSD1)**

Source: 2505101-05 Prepared: 05/15/25 Analyzed: 05/16/25

|            |        |        |      |        |        |      |        |        |    |  |
|------------|--------|--------|------|--------|--------|------|--------|--------|----|--|
| Arsenic    | 0.0547 | 0.0010 | mg/L | 0.0500 | 0.0015 | 106  | 70-130 | 0.602  | 20 |  |
| Cadmium    | 0.0468 | 0.0005 | mg/L | 0.0500 | ND     | 93.6 | 70-130 | 0.284  | 20 |  |
| Copper     | 0.0476 | 0.0010 | mg/L | 0.0500 | 0.0062 | 82.8 | 70-130 | 0.0632 | 20 |  |
| Lead       | 0.0478 | 0.0005 | mg/L | 0.0500 | ND     | 95.6 | 70-130 | 1.06   | 20 |  |
| Manganese  | 0.0952 | 0.0005 | mg/L | 0.0500 | 0.0537 | 83.2 | 70-130 | 0.303  | 20 |  |
| Molybdenum | 0.0531 | 0.0005 | mg/L | 0.0500 | 0.0015 | 103  | 70-130 | 1.07   | 20 |  |
| Selenium   | 0.263  | 0.0010 | mg/L | 0.250  | 0.0010 | 105  | 70-130 | 0.721  | 20 |  |
| Uranium    | 0.0552 | 0.0005 | mg/L | 0.0500 | 0.0011 | 108  | 70-130 | 0.712  | 20 |  |
| Zinc       | 0.0556 | 0.0020 | mg/L | 0.0500 | 0.0146 | 82.1 | 70-130 | 1.00   | 20 |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

### Dissolved Mercury by CVAFS - Quality Control

| Analyte                                | Result | Reporting Limit | Units | Spike Level                                              | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|----------------------------------------|--------|-----------------|-------|----------------------------------------------------------|---------------|------|-------------|-------|-----------|-------|
| <b>Batch B251333 - EPA 245.7</b>       |        |                 |       |                                                          |               |      |             |       |           |       |
| <b>Blank (B251333-BLK1)</b>            |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25                    |               |      |             |       |           |       |
| Mercury                                | ND     | 100             | ng/L  |                                                          |               |      |             |       |           |       |
| <b>LCS (B251333-BS1)</b>               |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25                    |               |      |             |       |           |       |
| Mercury                                | 884    | 100             | ng/L  | 1000                                                     |               | 88.4 | 76-113      |       |           |       |
| <b>LCS Dup (B251333-BSD1)</b>          |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/21/25                    |               |      |             |       |           |       |
| Mercury                                | 837    | 100             | ng/L  | 1000                                                     |               | 83.7 | 76-113      | 5.53  | 20        |       |
| <b>Matrix Spike (B251333-MS1)</b>      |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505141-01 Prepared: 05/19/25 Analyzed: 05/21/25 |               |      |             |       |           |       |
| Mercury                                | 920    | 100             | ng/L  | 1000                                                     | ND            | 92.0 | 63-111      |       |           |       |
| <b>Matrix Spike (B251333-MS2)</b>      |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505142-01 Prepared: 05/19/25 Analyzed: 05/21/25 |               |      |             |       |           |       |
| Mercury                                | 888    | 100             | ng/L  | 1000                                                     | ND            | 88.8 | 63-111      |       |           |       |
| <b>Matrix Spike Dup (B251333-MSD1)</b> |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505141-01 Prepared: 05/19/25 Analyzed: 05/21/25 |               |      |             |       |           |       |
| Mercury                                | 923    | 100             | ng/L  | 1000                                                     | ND            | 92.3 | 63-111      | 0.335 | 200       |       |
| <b>Matrix Spike Dup (B251333-MSD2)</b> |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505142-01 Prepared: 05/19/25 Analyzed: 05/21/25 |               |      |             |       |           |       |
| Mercury                                | 810    | 100             | ng/L  | 1000                                                     | ND            | 81.0 | 63-111      | 9.11  | 200       |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

### Notes and Definitions

|     |                                                                                                                                                                                                                    |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M3  | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B2  | Target analyte detected in continuing calibration blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the blank or less than the reporting limit. |
| DET | Analyte DETECTED                                                                                                                                                                                                   |
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                                                                               |
| NR  | Not Reported                                                                                                                                                                                                       |
| dry | Sample results reported on a dry weight basis<br>*Results reported on as received basis unless designated as dry.                                                                                                  |
| RPD | Relative Percent Difference                                                                                                                                                                                        |
| LCS | Laboratory Control Sample (Blank Spike)                                                                                                                                                                            |
| RL  | Report Limit                                                                                                                                                                                                       |
| MDL | Method Detection Limit                                                                                                                                                                                             |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
05/29/25 17:40

### Qualifier Summary

| <u>LabNumber</u> | <u>Analysis</u>           | <u>Analyte</u> | <u>Qualifier</u> | <u>TextBody</u>                                                                                                                                                                                                    |
|------------------|---------------------------|----------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B251354-MS1      | Calcium Dissolved by ICP  | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MS1      | Sodium Dissolved by ICP   | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MS2      | Aluminum Dissolved by ICP | Aluminum       | B2               | Target analyte detected in continuing calibration blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the blank or less than the reporting limit. |
| B251354-MS2      | Calcium Dissolved by ICP  | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MS2      | Sodium Dissolved by ICP   | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MSD1     | Calcium Dissolved by ICP  | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MSD1     | Sodium Dissolved by ICP   | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MSD2     | Aluminum Dissolved by ICP | Aluminum       | B2               | Target analyte detected in continuing calibration blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the blank or less than the reporting limit. |
| B251354-MSD2     | Calcium Dissolved by ICP  | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |
| B251354-MSD2     | Sodium Dissolved by ICP   | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.                                    |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





75 Suttle Street  
Durango, CO 81303  
(970) 247-4220

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006, R 8.0

Note: Write-Out™ or similar products cannot be used on the Chain of Custody

Company or Client: GCC Energy

Address: 6473 CR 120

City: Hesperus

State: CO Zip: 81326

Phone #: 970.385.4528

Contact Person: Michael Dickson for billing; Landon Beck for logistical or technical

Email Report to: mdickson@gcc.com; lbeck@strconsulting.com; tom@haygalservices.com

Project Name(optional):

Sampler Name (Print):

Brandon Waddell

Lab I.D.

Sample Name or Location

2505-194

| Lab I.D. | Sample Name or Location | Collected |       | Matrix (check one)                  |                          |                          |                          |                          |                          |                          | # of containers |             |                   |               |                  |        |  | ANALYSIS REQUEST                    |                 |                  |  |  |  |  |
|----------|-------------------------|-----------|-------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------|-------------|-------------------|---------------|------------------|--------|--|-------------------------------------|-----------------|------------------|--|--|--|--|
|          |                         | Date      | Time  | GROUNDWATER                         | SURFACE WATER            | WASTEWATER               | PRODUCED WATER           | DRINKING WATER           | SOIL                     | OTHER:                   | No preservation | Nitric Acid | Hydrochloric Acid | Sulfuric Acid | Sodium Hydroxide | OTHER: |  | GCC GW Baseline                     | GCC SW Baseline | GCC S&S Baseline |  |  |  |  |
| 01       | MW-8-EAA                | 5-13-25   | 14:18 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 3               |             |                   | 4             |                  |        |  | <input checked="" type="checkbox"/> |                 |                  |  |  |  |  |
| 02       | MW-8-MI                 | 5-13-25   | 14:45 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 3               |             |                   | 4             |                  |        |  | <input checked="" type="checkbox"/> |                 |                  |  |  |  |  |
| 03       | MW-8-PL                 | 5-13-25   | 15:32 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 3               |             |                   | 4             |                  |        |  | <input checked="" type="checkbox"/> |                 |                  |  |  |  |  |
| 04       | MW-8-LM                 | 5-13-25   | 16:13 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 3               |             |                   | 4             |                  |        |  | <input checked="" type="checkbox"/> |                 |                  |  |  |  |  |
| 5        |                         |           |       | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                 |             |                   |               |                  |        |  |                                     |                 |                  |  |  |  |  |
| 6        |                         |           |       | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                 |             |                   |               |                  |        |  |                                     |                 |                  |  |  |  |  |
| 7        |                         |           |       | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                 |             |                   |               |                  |        |  |                                     |                 |                  |  |  |  |  |
| 8        |                         |           |       | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                 |             |                   |               |                  |        |  |                                     |                 |                  |  |  |  |  |
| 9        |                         |           |       | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                 |             |                   |               |                  |        |  |                                     |                 |                  |  |  |  |  |
| 10       |                         |           |       | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                 |             |                   |               |                  |        |  |                                     |                 |                  |  |  |  |  |

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion of the applicable service. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 5-14-25

Received By:

Date: 5-14-25

ADDITIONAL REMARKS:

Relinquished By:

Date: 8:50 AM

Received By:

Date: 8:50

Relinquished By:

Date:

Received By:

Date:

Temperature at receipt:

Checked by:

On Ice?

Therm. used:

\* GAL cannot accept verbal changes. Please email changes to receiving@greenanalytical.com  
Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable changes.





## SAMPLE CONDITION RECEIPT FORM

 Date/Initials of person examining contents: 5/19/20  
CBN

 Labeled by initials: \_\_\_\_\_  
 (if different than above)
Client Name: GCC EnergyWork Order # 2505-194
 Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ Other

 Custody Seals on Box/Cooler Present: ☐ Yes ☒ No      Seals Intact: ☐ Yes ☐ No      GAL Cooler #: \_\_\_\_\_

 Thermometer Used: #2      Samples on ice, cooling process has begun: ☒ Yes ☐ No

 Type of Ice: ☒ Wet ☐ Blue ☐ None      Cooler Temp: Observed Temp: 4.8 °C      Correction Factor: -0.9 °C      Final Temp: 3.9 °C

\*Temp should be above freezing 6°C

Compliance: ☐ Yes ☒ No

|                                                                                     |                                                                                                  |                |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------|
| Chain of Custody Filled Out:                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 1.             |
| COC Signed when Relinquished and Received:                                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 2.             |
| Sampler Name and Signature on COC:<br>*Required for compliance                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 3.             |
| Samples arrived within hold time:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 4.             |
| Correct Containers Used & Intact:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5.             |
| Short Hold Time Analysis (<72hr):                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 6. <u>PH</u>   |
| Rush Turn Around Time Requested:                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 7.             |
| Sufficient Volume:                                                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 8.             |
| pH's acceptable upon receipt, where applicable:<br>*Not including metals bottles    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9.             |
| Dissolved Testing Needed:                                                           | <input type="checkbox"/> Yes <input type="checkbox"/> No                                         | 10. <u>Dis</u> |
| Field Filtered: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                  |                |
| Sample Labels match COC:<br>-Includes Date/Time/ID                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 11.            |
| Matrix: <u>WT</u> <u>SL</u> <u>OT</u>                                               |                                                                                                  |                |
| Trip Blank Present:                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            | 12.            |
| Trip Blank Custody Seals Present:                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            |                |
| VOA's meet headspace requirement (<6mm bubbles)                                     | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            |                |
| Non-Conformance(s):                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 13.            |

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

 Comments/Resolution: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
jeremy.allen@greenanalytical.com

02 June 2025

Michael Dickson  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: [none]

Enclosed are the results of analyses for samples received by the laboratory on 05/15/25 14:25. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, reading 'Jeremy D. Allen', is displayed on a light blue rectangular background.

Report Station For Jeremy D Allen  
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

# Table of Contents

|                                |    |
|--------------------------------|----|
| Samples in Report              | 3  |
| Sample Results                 | 4  |
| 2505240-01: MW-6-LM            | 4  |
| Quality Assurance Results      | 6  |
| Notes and Definitions          | 15 |
| Qualifier Summary              | 16 |
| Chain of Custody & Attachments | 18 |



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:10

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| MW-6-LM   | 2505240-01    | Water  | 05/14/25 11:12 | 05/15/25 14:25 |       |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:10

## MW-6-LM

**2505240-01 (Ground Water)**

**Sampled Date: 05/14/25 11:12**

**Sampled By: Brandon Waddell**

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

### General Chemistry

|                                                |        |       |        |           |   |                |                       |  |     |
|------------------------------------------------|--------|-------|--------|-----------|---|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 405    | 10.0  | 5.55   | mg/L      | 5 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 405    | 10.0  | 5.55   | mg/L      | 5 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Cation/Anion Balance                           | 8.47   | -100  | -100   | %         | 1 | 05/29/25 17:27 | Calculation           |  | JDA |
| Chloride*                                      | <1.00  | 1.00  | 0.497  | mg/L      | 1 | 05/28/25 20:22 | EPA 300.0             |  | AWG |
| Fluoride*                                      | <0.100 | 0.100 | 0.0336 | mg/L      | 1 | 05/28/25 20:22 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007  | mg/L as N | 1 | 05/20/25 15:46 | EPA 353.2             |  | HIC |
| pH*                                            | 7.82   |       |        | pH Units  | 1 | 05/16/25 10:49 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 23.7   |       |        | pH Units  | 1 | 05/16/25 10:49 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | 8.52   | 1.00  | 0.563  | mg/L      | 1 | 05/28/25 20:22 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 445    | 10.0  |        | mg/L      | 1 | 05/21/25 14:38 | EPA 160.1/SM<br>2540C |  | HIC |
| Total Organic Carbon*                          | 1.21   | 0.500 | 0.220  | mg/L      | 1 | 05/22/25 22:52 | 5310C                 |  | AES |

### Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 05/27/25 15:31 | EPA 200.7   |  | AWG |
| Calcium*                      | 38.2   | 0.100 | 0.072  | mg/L | 1 | 05/27/25 15:31 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 200    | 0.662 | 0.507  | mg/L | 1 | 05/27/25 15:31 | 2340 B      |  | AWG |
| Iron*                         | <0.050 | 0.050 | 0.035  | mg/L | 1 | 05/27/25 15:31 | EPA 200.7   |  | AWG |
| Magnesium*                    | 25.4   | 0.100 | 0.079  | mg/L | 1 | 05/27/25 15:31 | EPA 200.7   |  | AWG |
| Potassium*                    | 2.55   | 1.00  | 0.181  | mg/L | 1 | 05/27/25 15:31 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 18.0   | 1.07  | 0.0208 | mg/L | 1 | 05/27/25 15:31 | Calculation |  | AWG |
| Silicon                       | 8.42   | 0.500 | 0.010  | mg/L | 1 | 05/27/25 15:31 | EPA 200.7   |  | AWG |
| Sodium*                       | 105    | 1.00  | 0.756  | mg/L | 1 | 05/27/25 15:31 | EPA 200.7   |  | AWG |

### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |           |  |     |
|-------------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Arsenic*    | 0.0020  | 0.0010 | 0.0004  | mg/L | 1 | 05/20/25 17:56 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00005 | mg/L | 1 | 05/20/25 17:56 | EPA 200.8 |  | AES |
| Copper*     | 0.0031  | 0.0010 | 0.0007  | mg/L | 1 | 05/20/25 17:56 | EPA 200.8 |  | AES |
| Lead*       | <0.0005 | 0.0005 | 0.0001  | mg/L | 1 | 05/20/25 17:56 | EPA 200.8 |  | AES |
| Manganese*  | 0.0302  | 0.0005 | 0.0002  | mg/L | 1 | 05/20/25 17:56 | EPA 200.8 |  | AES |
| Molybdenum* | <0.0005 | 0.0005 | 0.00004 | mg/L | 1 | 05/20/25 17:56 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:10

### MW-6-LM

**2505240-01 (Ground Water)**

**Sampled Date: 05/14/25 11:12**

**Sampled By: Brandon Waddell**

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

#### **Dissolved Metals by ICPMS**

|                  |               |        |         |      |   |                |           |    |     |
|------------------|---------------|--------|---------|------|---|----------------|-----------|----|-----|
| <b>Selenium*</b> | <b>0.0244</b> | 0.0025 | 0.0004  | mg/L | 1 | 05/20/25 17:56 | EPA 200.8 | B3 | AES |
| <b>Uranium</b>   | <0.0005       | 0.0005 | 0.00002 | mg/L | 1 | 05/20/25 17:56 | EPA 200.8 |    | AES |
| <b>Zinc*</b>     | <b>0.0080</b> | 0.0020 | 0.0005  | mg/L | 1 | 05/20/25 17:56 | EPA 200.8 |    | AES |

#### **Dissolved Mercury by CVAFS**

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/22/25 15:59 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:10

### General Chemistry - Quality Control

| Analyte                                        | Result | Reporting Limit               | Units     | Spike Level                   | Source Result | %REC | %REC Limits  | RPD   | RPD Limit | Notes |
|------------------------------------------------|--------|-------------------------------|-----------|-------------------------------|---------------|------|--------------|-------|-----------|-------|
| <b>Batch B251344 - General Prep - Wet Chem</b> |        |                               |           |                               |               |      |              |       |           |       |
| <b>Duplicate (B251344-DUP1)</b>                |        | <b>Source: 2505201-01</b>     |           | Prepared & Analyzed: 05/16/25 |               |      |              |       |           |       |
| pH                                             | 7.79   |                               | pH Units  |                               | 7.78          |      |              | 0.128 | 20        |       |
| pH Temperature, degrees C                      | 21.9   |                               | pH Units  |                               | 21.8          |      |              | 0.458 | 200       |       |
| <b>Duplicate (B251344-DUP2)</b>                |        | <b>Source: 2505201-02</b>     |           | Prepared & Analyzed: 05/16/25 |               |      |              |       |           |       |
| pH                                             | 7.94   |                               | pH Units  |                               | 7.90          |      |              | 0.505 | 20        |       |
| pH Temperature, degrees C                      | 20.5   |                               | pH Units  |                               | 21.0          |      |              | 2.41  | 200       |       |
| <b>Reference (B251344-SRM1)</b>                |        | Prepared & Analyzed: 05/16/25 |           |                               |               |      |              |       |           |       |
| pH                                             | 6.96   |                               | pH Units  | 7.00                          |               | 99.4 | 98.57-101.42 |       |           |       |
| <b>Batch B251352 - Lachat</b>                  |        |                               |           |                               |               |      |              |       |           |       |
| <b>Blank (B251352-BLK1)</b>                    |        | Prepared & Analyzed: 05/20/25 |           |                               |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | ND     | 0.020                         | mg/L as N |                               |               |      |              |       |           |       |
| <b>LCS (B251352-BS1)</b>                       |        | Prepared & Analyzed: 05/20/25 |           |                               |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.03   | 0.020                         | mg/L as N | 1.00                          |               | 103  | 90-110       |       |           |       |
| <b>LCS Dup (B251352-BSD1)</b>                  |        | Prepared & Analyzed: 05/20/25 |           |                               |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.03   | 0.020                         | mg/L as N | 1.00                          |               | 103  | 90-110       | 0.291 | 20        |       |
| <b>Matrix Spike (B251352-MS1)</b>              |        | <b>Source: 2505209-17</b>     |           | Prepared & Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.04   | 0.020                         | mg/L as N | 1.00                          | ND            | 104  | 90-110       |       |           |       |
| <b>Matrix Spike (B251352-MS2)</b>              |        | <b>Source: 2505238-01</b>     |           | Prepared & Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.06   | 0.020                         | mg/L as N | 1.00                          | 0.084         | 97.1 | 90-110       |       |           |       |
| <b>Matrix Spike Dup (B251352-MSD1)</b>         |        | <b>Source: 2505209-17</b>     |           | Prepared & Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.04   | 0.020                         | mg/L as N | 1.00                          | ND            | 104  | 90-110       | 0.193 | 20        |       |
| <b>Matrix Spike Dup (B251352-MSD2)</b>         |        | <b>Source: 2505238-01</b>     |           | Prepared & Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.06   | 0.020                         | mg/L as N | 1.00                          | 0.084         | 97.7 | 90-110       | 0.567 | 20        |       |
| <b>Batch B251375 - General Prep - Wet Chem</b> |        |                               |           |                               |               |      |              |       |           |       |
| <b>Blank (B251375-BLK1)</b>                    |        | Prepared & Analyzed: 05/21/25 |           |                               |               |      |              |       |           |       |
| Total Dissolved Solids                         | ND     | 10.0                          | mg/L      |                               |               |      |              |       |           |       |
| <b>Duplicate (B251375-DUP1)</b>                |        | <b>Source: 2505240-01</b>     |           | Prepared & Analyzed: 05/21/25 |               |      |              |       |           |       |
| Total Dissolved Solids                         | 455    | 10.0                          | mg/L      |                               | 445           |      |              | 2.23  | 20        |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:10

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251375 - General Prep - Wet Chem (Continued)

##### Reference (B251375-SRM1)

Prepared & Analyzed: 05/21/25

|                        |     |      |      |     |     |        |
|------------------------|-----|------|------|-----|-----|--------|
| Total Dissolved Solids | 410 | 10.0 | mg/L | 400 | 102 | 85-115 |
|------------------------|-----|------|------|-----|-----|--------|

#### Batch B251390 - General Prep - Wet Chem

##### Blank (B251390-BLK1)

Prepared & Analyzed: 05/22/25

|                      |    |       |      |
|----------------------|----|-------|------|
| Total Organic Carbon | ND | 0.500 | mg/L |
|----------------------|----|-------|------|

##### LCS (B251390-BS1)

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |        |
|----------------------|------|-------|------|------|------|--------|
| Total Organic Carbon | 9.62 | 0.500 | mg/L | 10.0 | 96.2 | 85-115 |
|----------------------|------|-------|------|------|------|--------|

##### LCS Dup (B251390-BSD1)

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |        |       |    |
|----------------------|------|-------|------|------|------|--------|-------|----|
| Total Organic Carbon | 9.61 | 0.500 | mg/L | 10.0 | 96.1 | 85-115 | 0.104 | 20 |
|----------------------|------|-------|------|------|------|--------|-------|----|

##### Matrix Spike (B251390-MS1)

Source: 2505198-02

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |      |        |
|----------------------|------|-------|------|------|------|------|--------|
| Total Organic Carbon | 11.5 | 0.500 | mg/L | 10.0 | 1.91 | 95.5 | 80-120 |
|----------------------|------|-------|------|------|------|------|--------|

##### Matrix Spike (B251390-MS2)

Source: 2505198-03

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |      |        |
|----------------------|------|-------|------|------|------|------|--------|
| Total Organic Carbon | 11.6 | 0.500 | mg/L | 10.0 | 1.95 | 96.4 | 80-120 |
|----------------------|------|-------|------|------|------|------|--------|

##### Matrix Spike Dup (B251390-MSD1)

Source: 2505198-02

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |      |        |       |    |
|----------------------|------|-------|------|------|------|------|--------|-------|----|
| Total Organic Carbon | 11.4 | 0.500 | mg/L | 10.0 | 1.91 | 94.4 | 80-120 | 0.964 | 20 |
|----------------------|------|-------|------|------|------|------|--------|-------|----|

##### Matrix Spike Dup (B251390-MSD2)

Source: 2505198-03

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |      |        |      |    |
|----------------------|------|-------|------|------|------|------|--------|------|----|
| Total Organic Carbon | 11.5 | 0.500 | mg/L | 10.0 | 1.95 | 95.1 | 80-120 | 1.13 | 20 |
|----------------------|------|-------|------|------|------|------|--------|------|----|

#### Batch B251408 - IC- Ion Chromatograph

##### Blank (B251408-BLK1)

Prepared: 05/27/25 Analyzed: 05/28/25

|          |    |       |      |
|----------|----|-------|------|
| Chloride | ND | 1.00  | mg/L |
| Fluoride | ND | 0.100 | mg/L |
| Sulfate  | ND | 1.00  | mg/L |

##### LCS (B251408-BS1)

Prepared: 05/27/25 Analyzed: 05/30/25

|          |      |       |      |      |      |        |
|----------|------|-------|------|------|------|--------|
| Chloride | 24.3 | 1.00  | mg/L | 25.0 | 97.1 | 90-110 |
| Fluoride | 2.51 | 0.100 | mg/L | 2.50 | 100  | 90-110 |
| Sulfate  | 24.2 | 1.00  | mg/L | 25.0 | 96.7 | 90-110 |

##### LCS Dup (B251408-BSD1)

Prepared: 05/27/25 Analyzed: 05/28/25

|          |      |       |      |      |      |        |      |    |
|----------|------|-------|------|------|------|--------|------|----|
| Chloride | 22.8 | 1.00  | mg/L | 25.0 | 91.0 | 90-110 | 6.44 | 20 |
| Fluoride | 2.36 | 0.100 | mg/L | 2.50 | 94.3 | 90-110 | 6.37 | 20 |
| Sulfate  | 22.5 | 1.00  | mg/L | 25.0 | 90.2 | 90-110 | 6.95 | 20 |

##### Matrix Spike (B251408-MS1)

Source: 2505248-01

Prepared: 05/27/25 Analyzed: 05/29/25

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:10

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251408 - IC- Ion Chromatograph (Continued)

|                                               |      |                           |      |                    |       |                    |        |       |    |    |
|-----------------------------------------------|------|---------------------------|------|--------------------|-------|--------------------|--------|-------|----|----|
| <b>Matrix Spike (B251408-MS1) (Continued)</b> |      | <b>Source: 2505248-01</b> |      | Prepared: 05/27/25 |       | Analyzed: 05/29/25 |        |       |    |    |
| Chloride                                      | 85.8 | 5.00                      | mg/L | 25.0               | 63.7  | 88.6               | 85-115 |       |    |    |
| Fluoride                                      | 5.37 | 0.500                     | mg/L | 2.50               | 3.23  | 85.6               | 85-115 |       |    |    |
| Sulfate                                       | 60.0 | 5.00                      | mg/L | 25.0               | 39.3  | 82.6               | 85-115 |       |    | M2 |
| <b>Matrix Spike (B251408-MS2)</b>             |      | <b>Source: 2505252-01</b> |      | Prepared: 05/27/25 |       | Analyzed: 05/29/25 |        |       |    |    |
| Chloride                                      | 64.4 | 5.00                      | mg/L | 25.0               | 43.8  | 82.3               | 85-115 |       |    | M2 |
| Fluoride                                      | 2.82 | 0.500                     | mg/L | 2.50               | 0.775 | 81.6               | 85-115 |       |    | M2 |
| Sulfate                                       | 401  | 5.00                      | mg/L | 25.0               | 384   | 67.6               | 85-115 |       |    | M2 |
| <b>Matrix Spike Dup (B251408-MSD1)</b>        |      | <b>Source: 2505248-01</b> |      | Prepared: 05/27/25 |       | Analyzed: 05/29/25 |        |       |    |    |
| Chloride                                      | 86.1 | 5.00                      | mg/L | 25.0               | 63.7  | 89.5               | 85-115 | 0.273 | 20 |    |
| Fluoride                                      | 5.41 | 0.500                     | mg/L | 2.50               | 3.23  | 87.0               | 85-115 | 0.650 | 20 |    |
| Sulfate                                       | 60.2 | 5.00                      | mg/L | 25.0               | 39.3  | 83.7               | 85-115 | 0.466 | 20 | M2 |
| <b>Matrix Spike Dup (B251408-MSD2)</b>        |      | <b>Source: 2505252-01</b> |      | Prepared: 05/27/25 |       | Analyzed: 05/29/25 |        |       |    |    |
| Chloride                                      | 64.3 | 5.00                      | mg/L | 25.0               | 43.8  | 81.8               | 85-115 | 0.202 | 20 | M2 |
| Fluoride                                      | 2.84 | 0.500                     | mg/L | 2.50               | 0.775 | 82.6               | 85-115 | 0.884 | 20 | M2 |
| Sulfate                                       | 397  | 5.00                      | mg/L | 25.0               | 384   | 54.0               | 85-115 | 0.857 | 20 | M2 |

#### Batch B251426 - General Prep - Wet Chem

|                                              |      |                           |      |                    |     |                    |        |      |    |    |
|----------------------------------------------|------|---------------------------|------|--------------------|-----|--------------------|--------|------|----|----|
| <b>Blank (B251426-BLK1)</b>                  |      | Prepared: 05/27/25        |      | Analyzed: 05/28/25 |     |                    |        |      |    |    |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | ND   | 10.0                      | mg/L |                    |     |                    |        |      |    |    |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND   | 10.0                      | mg/L |                    |     |                    |        |      |    |    |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND   | 10.0                      | mg/L |                    |     |                    |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | ND   | 10.0                      | mg/L |                    |     |                    |        |      |    |    |
| <b>LCS (B251426-BS1)</b>                     |      | Prepared: 05/27/25        |      | Analyzed: 05/28/25 |     |                    |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | 95.0 | 10.0                      | mg/L | 100                |     | 95.0               | 85-115 |      |    |    |
| <b>LCS Dup (B251426-BSD1)</b>                |      | Prepared: 05/27/25        |      | Analyzed: 05/28/25 |     |                    |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | 97.0 | 10.0                      | mg/L | 100                |     | 97.0               | 85-115 | 2.08 | 20 |    |
| <b>Matrix Spike (B251426-MS1)</b>            |      | <b>Source: 2505252-01</b> |      | Prepared: 05/27/25 |     | Analyzed: 05/28/25 |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | 252  | 10.0                      | mg/L | 100                | 128 | 124                | 80-120 |      |    | M1 |
| <b>Matrix Spike (B251426-MS2)</b>            |      | <b>Source: 2505293-01</b> |      | Prepared: 05/27/25 |     | Analyzed: 05/28/25 |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | 28.0 | 10.0                      | mg/L | 100                | ND  | 28.0               | 80-120 |      |    | M2 |
| <b>Matrix Spike Dup (B251426-MSD1)</b>       |      | <b>Source: 2505252-01</b> |      | Prepared: 05/27/25 |     | Analyzed: 05/28/25 |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | 269  | 10.0                      | mg/L | 100                | 128 | 141                | 80-120 | 6.53 | 20 | M1 |
| <b>Matrix Spike Dup (B251426-MSD2)</b>       |      | <b>Source: 2505293-01</b> |      | Prepared: 05/27/25 |     | Analyzed: 05/28/25 |        |      |    |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:10

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251426 - General Prep - Wet Chem (Continued)

##### Matrix Spike Dup (B251426-MSD2) (Continued)

Source: 2505293-01

Prepared: 05/27/25 Analyzed: 05/28/25

|                                        |      |      |      |     |    |      |        |      |    |    |
|----------------------------------------|------|------|------|-----|----|------|--------|------|----|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 27.0 | 10.0 | mg/L | 100 | ND | 27.0 | 80-120 | 3.64 | 20 | M2 |
|----------------------------------------|------|------|------|-----|----|------|--------|------|----|----|

##### Reference (B251426-SRM1)

Prepared: 05/27/25 Analyzed: 05/28/25

|                                        |      |      |      |     |      |        |
|----------------------------------------|------|------|------|-----|------|--------|
| Alkalinity, Total as CaCO <sub>3</sub> | 99.0 | 10.0 | mg/L | 100 | 99.0 | 85-115 |
|----------------------------------------|------|------|------|-----|------|--------|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:10

### Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251358 - Dissolved ICP

##### Blank (B251358-BLK1)

Prepared: 05/23/25 Analyzed: 05/27/25

|           |    |       |      |  |  |  |  |  |  |  |
|-----------|----|-------|------|--|--|--|--|--|--|--|
| Aluminum  | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Calcium   | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Iron      | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Magnesium | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Potassium | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Silicon   | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
| Sodium    | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251358-BS1)

Prepared: 05/20/25 Analyzed: 05/27/25

|           |      |       |      |      |  |      |        |  |  |  |
|-----------|------|-------|------|------|--|------|--------|--|--|--|
| Aluminum  | 3.84 | 0.050 | mg/L | 4.00 |  | 96.1 | 85-115 |  |  |  |
| Calcium   | 3.91 | 0.100 | mg/L | 4.00 |  | 97.7 | 85-115 |  |  |  |
| Iron      | 3.91 | 0.050 | mg/L | 4.00 |  | 97.8 | 85-115 |  |  |  |
| Magnesium | 20.2 | 0.100 | mg/L | 20.0 |  | 101  | 85-115 |  |  |  |
| Potassium | 7.92 | 1.00  | mg/L | 8.00 |  | 99.0 | 85-115 |  |  |  |
| Silicon   | 4.14 | 0.500 | mg/L | 4.00 |  | 103  | 85-115 |  |  |  |
| Sodium    | 3.12 | 1.00  | mg/L | 3.24 |  | 96.3 | 85-115 |  |  |  |

##### LCS Dup (B251358-BS1)

Prepared: 05/20/25 Analyzed: 05/27/25

|           |      |       |      |      |  |      |        |       |    |  |
|-----------|------|-------|------|------|--|------|--------|-------|----|--|
| Aluminum  | 3.79 | 0.050 | mg/L | 4.00 |  | 94.8 | 85-115 | 1.38  | 20 |  |
| Calcium   | 3.86 | 0.100 | mg/L | 4.00 |  | 96.5 | 85-115 | 1.24  | 20 |  |
| Iron      | 3.87 | 0.050 | mg/L | 4.00 |  | 96.7 | 85-115 | 1.13  | 20 |  |
| Magnesium | 20.0 | 0.100 | mg/L | 20.0 |  | 100  | 85-115 | 1.08  | 20 |  |
| Potassium | 7.89 | 1.00  | mg/L | 8.00 |  | 98.7 | 85-115 | 0.358 | 20 |  |
| Silicon   | 4.10 | 0.500 | mg/L | 4.00 |  | 102  | 85-115 | 1.01  | 20 |  |
| Sodium    | 3.05 | 1.00  | mg/L | 3.24 |  | 94.1 | 85-115 | 2.33  | 20 |  |

##### Matrix Spike (B251358-MS1)

Source: 2505209-17 Prepared: 05/23/25 Analyzed: 05/27/25

|           |      |       |      |      |       |      |        |  |  |    |
|-----------|------|-------|------|------|-------|------|--------|--|--|----|
| Aluminum  | 4.15 | 0.050 | mg/L | 4.00 | ND    | 104  | 70-130 |  |  |    |
| Calcium   | 46.6 | 0.100 | mg/L | 4.00 | 45.0  | 38.8 | 70-130 |  |  | M3 |
| Iron      | 4.21 | 0.050 | mg/L | 4.00 | ND    | 105  | 70-130 |  |  |    |
| Magnesium | 26.4 | 0.100 | mg/L | 20.0 | 5.79  | 103  | 70-130 |  |  |    |
| Potassium | 9.03 | 1.00  | mg/L | 8.00 | 0.766 | 103  | 70-130 |  |  |    |
| Silicon   | 6.39 | 0.500 | mg/L | 4.00 | 2.28  | 103  | 70-130 |  |  |    |
| Sodium    | 5.78 | 1.00  | mg/L | 3.24 | 2.51  | 101  | 70-130 |  |  |    |

##### Matrix Spike (B251358-MS2)

Source: 2505240-01 Prepared: 05/23/25 Analyzed: 05/27/25

|           |      |       |      |      |      |      |        |  |  |    |
|-----------|------|-------|------|------|------|------|--------|--|--|----|
| Aluminum  | 3.98 | 0.250 | mg/L | 4.00 | ND   | 99.4 | 70-130 |  |  |    |
| Calcium   | 40.9 | 0.500 | mg/L | 4.00 | 38.2 | 67.5 | 70-130 |  |  | M3 |
| Iron      | 4.05 | 0.250 | mg/L | 4.00 | ND   | 101  | 70-130 |  |  |    |
| Magnesium | 44.0 | 0.500 | mg/L | 20.0 | 25.4 | 93.1 | 70-130 |  |  |    |
| Potassium | 10.7 | 5.00  | mg/L | 8.00 | 2.55 | 102  | 70-130 |  |  |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:10

**Dissolved Metals by ICP - Quality Control  
(Continued)**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch B251358 - Dissolved ICP (Continued)**

**Matrix Spike (B251358-MS2) (Continued)**

Source: 2505240-01 Prepared: 05/23/25 Analyzed: 05/27/25

|         |      |      |      |      |      |      |        |  |  |    |
|---------|------|------|------|------|------|------|--------|--|--|----|
| Silicon | 11.7 | 2.50 | mg/L | 4.00 | 8.42 | 82.7 | 70-130 |  |  |    |
| Sodium  | 105  | 5.00 | mg/L | 3.24 | 105  | NR   | 70-130 |  |  | M3 |

**Matrix Spike Dup (B251358-MSD1)**

Source: 2505209-17 Prepared: 05/23/25 Analyzed: 05/27/25

|           |      |       |      |      |      |      |        |      |    |    |
|-----------|------|-------|------|------|------|------|--------|------|----|----|
| Aluminum  | 3.99 | 0.250 | mg/L | 4.00 | ND   | 99.8 | 70-130 | 3.88 | 20 |    |
| Calcium   | 45.6 | 0.500 | mg/L | 4.00 | 45.0 | 14.2 | 70-130 | 2.14 | 20 | M3 |
| Iron      | 4.05 | 0.250 | mg/L | 4.00 | ND   | 101  | 70-130 | 4.04 | 20 |    |
| Magnesium | 25.8 | 0.500 | mg/L | 20.0 | 5.79 | 100  | 70-130 | 2.33 | 20 |    |
| Potassium | 8.72 | 5.00  | mg/L | 8.00 | ND   | 109  | 70-130 | 3.50 | 20 |    |
| Silicon   | 6.17 | 2.50  | mg/L | 4.00 | 2.28 | 97.3 | 70-130 | 3.51 | 20 |    |
| Sodium    | 5.17 | 5.00  | mg/L | 3.24 | ND   | 160  | 70-130 | 11.1 | 20 | M3 |

**Matrix Spike Dup (B251358-MSD2)**

Source: 2505240-01 Prepared: 05/23/25 Analyzed: 05/27/25

|           |      |       |      |      |      |      |        |       |    |    |
|-----------|------|-------|------|------|------|------|--------|-------|----|----|
| Aluminum  | 3.79 | 0.500 | mg/L | 4.00 | ND   | 94.7 | 70-130 | 4.89  | 20 |    |
| Calcium   | 41.0 | 1.00  | mg/L | 4.00 | 38.2 | 69.3 | 70-130 | 0.171 | 20 | M3 |
| Iron      | 4.07 | 0.500 | mg/L | 4.00 | ND   | 102  | 70-130 | 0.491 | 20 |    |
| Magnesium | 44.0 | 1.00  | mg/L | 20.0 | 25.4 | 92.7 | 70-130 | 0.172 | 20 |    |
| Potassium | 10.8 | 10.0  | mg/L | 8.00 | 2.55 | 104  | 70-130 | 1.32  | 20 |    |
| Silicon   | 11.7 | 5.00  | mg/L | 4.00 | 8.42 | 82.0 | 70-130 | 0.244 | 20 |    |
| Sodium    | 101  | 10.0  | mg/L | 3.24 | 105  | NR   | 70-130 | 3.52  | 20 | M3 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:10

### Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251349 - Dissolved ICPMS

##### Blank (B251349-BLK1)

Prepared & Analyzed: 05/20/25

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0010 | mg/L |
| Cadmium    | ND | 0.0005 | mg/L |
| Copper     | ND | 0.0010 | mg/L |
| Lead       | ND | 0.0005 | mg/L |
| Manganese  | ND | 0.0005 | mg/L |
| Molybdenum | ND | 0.0005 | mg/L |
| Selenium   | ND | 0.0010 | mg/L |
| Uranium    | ND | 0.0005 | mg/L |
| Zinc       | ND | 0.0020 | mg/L |

##### LCS (B251349-BS1)

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |      |        |
|------------|--------|--------|------|--------|------|--------|
| Arsenic    | 0.0471 | 0.0010 | mg/L | 0.0500 | 94.2 | 85-115 |
| Cadmium    | 0.0489 | 0.0005 | mg/L | 0.0500 | 97.9 | 85-115 |
| Copper     | 0.0496 | 0.0010 | mg/L | 0.0500 | 99.2 | 85-115 |
| Lead       | 0.0487 | 0.0005 | mg/L | 0.0500 | 97.4 | 85-115 |
| Manganese  | 0.0506 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |
| Molybdenum | 0.0501 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 |
| Selenium   | 0.237  | 0.0010 | mg/L | 0.250  | 94.9 | 85-115 |
| Uranium    | 0.0495 | 0.0005 | mg/L | 0.0500 | 99.0 | 85-115 |
| Zinc       | 0.0504 | 0.0020 | mg/L | 0.0500 | 101  | 85-115 |

##### LCS Dup (B251349-BSD1)

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |      |        |       |    |
|------------|--------|--------|------|--------|------|--------|-------|----|
| Arsenic    | 0.0488 | 0.0010 | mg/L | 0.0500 | 97.5 | 85-115 | 3.48  | 20 |
| Cadmium    | 0.0492 | 0.0005 | mg/L | 0.0500 | 98.4 | 85-115 | 0.515 | 20 |
| Copper     | 0.0495 | 0.0010 | mg/L | 0.0500 | 99.0 | 85-115 | 0.210 | 20 |
| Lead       | 0.0491 | 0.0005 | mg/L | 0.0500 | 98.3 | 85-115 | 0.856 | 20 |
| Manganese  | 0.0502 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 | 0.962 | 20 |
| Molybdenum | 0.0500 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 | 0.173 | 20 |
| Selenium   | 0.241  | 0.0010 | mg/L | 0.250  | 96.4 | 85-115 | 1.61  | 20 |
| Uranium    | 0.0500 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 | 1.03  | 20 |
| Zinc       | 0.0509 | 0.0020 | mg/L | 0.0500 | 102  | 85-115 | 0.973 | 20 |

##### Matrix Spike (B251349-MS1)

Source: 2505209-03

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |
|------------|--------|--------|------|--------|--------|------|--------|
| Arsenic    | 0.0528 | 0.0010 | mg/L | 0.0500 | ND     | 106  | 70-130 |
| Cadmium    | 0.0493 | 0.0005 | mg/L | 0.0500 | 0.0001 | 98.3 | 70-130 |
| Copper     | 0.0469 | 0.0010 | mg/L | 0.0500 | 0.0022 | 89.3 | 70-130 |
| Lead       | 0.0430 | 0.0005 | mg/L | 0.0500 | ND     | 85.7 | 70-130 |
| Manganese  | 0.124  | 0.0005 | mg/L | 0.0500 | 0.0814 | 84.9 | 70-130 |
| Molybdenum | 0.0510 | 0.0005 | mg/L | 0.0500 | 0.0004 | 101  | 70-130 |
| Selenium   | 0.274  | 0.0010 | mg/L | 0.250  | ND     | 110  | 70-130 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:10

### Dissolved Metals by ICPMS - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251349 - Dissolved ICPMS (Continued)

##### Matrix Spike (B251349-MS1) (Continued)

Source: 2505209-03 Prepared & Analyzed: 05/20/25

|         |        |        |      |        |        |      |        |  |  |  |
|---------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Uranium | 0.0446 | 0.0005 | mg/L | 0.0500 | 0.0003 | 88.6 | 70-130 |  |  |  |
| Zinc    | 0.0825 | 0.0020 | mg/L | 0.0500 | 0.0342 | 96.6 | 70-130 |  |  |  |

##### Matrix Spike (B251349-MS2)

Source: 2505209-04 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |  |  |  |
|------------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Arsenic    | 0.0510 | 0.0010 | mg/L | 0.0500 | ND     | 102  | 70-130 |  |  |  |
| Cadmium    | 0.0486 | 0.0005 | mg/L | 0.0500 | 0.0002 | 96.9 | 70-130 |  |  |  |
| Copper     | 0.0473 | 0.0010 | mg/L | 0.0500 | 0.0033 | 87.9 | 70-130 |  |  |  |
| Lead       | 0.0481 | 0.0005 | mg/L | 0.0500 | 0.0014 | 93.4 | 70-130 |  |  |  |
| Manganese  | 0.130  | 0.0005 | mg/L | 0.0500 | 0.0878 | 84.9 | 70-130 |  |  |  |
| Molybdenum | 0.0495 | 0.0005 | mg/L | 0.0500 | 0.0004 | 98.3 | 70-130 |  |  |  |
| Selenium   | 0.265  | 0.0010 | mg/L | 0.250  | ND     | 106  | 70-130 |  |  |  |
| Uranium    | 0.0485 | 0.0005 | mg/L | 0.0500 | 0.0003 | 96.5 | 70-130 |  |  |  |
| Zinc       | 0.0897 | 0.0020 | mg/L | 0.0500 | 0.0412 | 97.0 | 70-130 |  |  |  |

##### Matrix Spike Dup (B251349-MSD1)

Source: 2505209-03 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |        |    |  |
|------------|--------|--------|------|--------|--------|------|--------|--------|----|--|
| Arsenic    | 0.0525 | 0.0010 | mg/L | 0.0500 | ND     | 105  | 70-130 | 0.554  | 20 |  |
| Cadmium    | 0.0493 | 0.0005 | mg/L | 0.0500 | 0.0001 | 98.4 | 70-130 | 0.0358 | 20 |  |
| Copper     | 0.0470 | 0.0010 | mg/L | 0.0500 | 0.0022 | 89.7 | 70-130 | 0.402  | 20 |  |
| Lead       | 0.0426 | 0.0005 | mg/L | 0.0500 | ND     | 84.9 | 70-130 | 0.956  | 20 |  |
| Manganese  | 0.126  | 0.0005 | mg/L | 0.0500 | 0.0814 | 89.1 | 70-130 | 1.68   | 20 |  |
| Molybdenum | 0.0509 | 0.0005 | mg/L | 0.0500 | 0.0004 | 101  | 70-130 | 0.236  | 20 |  |
| Selenium   | 0.270  | 0.0010 | mg/L | 0.250  | ND     | 108  | 70-130 | 1.41   | 20 |  |
| Uranium    | 0.0441 | 0.0005 | mg/L | 0.0500 | 0.0003 | 87.6 | 70-130 | 1.17   | 20 |  |
| Zinc       | 0.0834 | 0.0020 | mg/L | 0.0500 | 0.0342 | 98.6 | 70-130 | 1.19   | 20 |  |

##### Matrix Spike Dup (B251349-MSD2)

Source: 2505209-04 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |       |    |  |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|--|
| Arsenic    | 0.0521 | 0.0010 | mg/L | 0.0500 | ND     | 104  | 70-130 | 2.22  | 20 |  |
| Cadmium    | 0.0488 | 0.0005 | mg/L | 0.0500 | 0.0002 | 97.3 | 70-130 | 0.386 | 20 |  |
| Copper     | 0.0475 | 0.0010 | mg/L | 0.0500 | 0.0033 | 88.3 | 70-130 | 0.439 | 20 |  |
| Lead       | 0.0475 | 0.0005 | mg/L | 0.0500 | 0.0014 | 92.2 | 70-130 | 1.28  | 20 |  |
| Manganese  | 0.130  | 0.0005 | mg/L | 0.0500 | 0.0878 | 84.5 | 70-130 | 0.147 | 20 |  |
| Molybdenum | 0.0499 | 0.0005 | mg/L | 0.0500 | 0.0004 | 99.1 | 70-130 | 0.828 | 20 |  |
| Selenium   | 0.270  | 0.0010 | mg/L | 0.250  | ND     | 108  | 70-130 | 1.79  | 20 |  |
| Uranium    | 0.0484 | 0.0005 | mg/L | 0.0500 | 0.0003 | 96.3 | 70-130 | 0.164 | 20 |  |
| Zinc       | 0.0892 | 0.0020 | mg/L | 0.0500 | 0.0412 | 96.0 | 70-130 | 0.580 | 20 |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:10

### Dissolved Mercury by CVAFS - Quality Control

| Analyte                                | Result | Reporting Limit | Units | Spike Level                                              | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|----------------------------------------|--------|-----------------|-------|----------------------------------------------------------|---------------|------|-------------|------|-----------|-------|
| <b>Batch B251334 - EPA 245.7</b>       |        |                 |       |                                                          |               |      |             |      |           |       |
| <b>Blank (B251334-BLK1)</b>            |        |                 |       |                                                          |               |      |             |      |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/22/25                    |               |      |             |      |           |       |
| Mercury                                | ND     | 100             | ng/L  |                                                          |               |      |             |      |           |       |
| <b>LCS (B251334-BS1)</b>               |        |                 |       |                                                          |               |      |             |      |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/22/25                    |               |      |             |      |           |       |
| Mercury                                | 866    | 100             | ng/L  | 1000                                                     |               | 86.6 | 76-113      |      |           |       |
| <b>LCS Dup (B251334-BSD1)</b>          |        |                 |       |                                                          |               |      |             |      |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/22/25                    |               |      |             |      |           |       |
| Mercury                                | 836    | 100             | ng/L  | 1000                                                     |               | 83.6 | 76-113      | 3.50 | 20        |       |
| <b>Matrix Spike (B251334-MS1)</b>      |        |                 |       |                                                          |               |      |             |      |           |       |
|                                        |        |                 |       | Source: 2505209-06 Prepared: 05/19/25 Analyzed: 05/22/25 |               |      |             |      |           |       |
| Mercury                                | 931    | 100             | ng/L  | 1000                                                     | ND            | 93.1 | 63-111      |      |           |       |
| <b>Matrix Spike (B251334-MS2)</b>      |        |                 |       |                                                          |               |      |             |      |           |       |
|                                        |        |                 |       | Source: 2505209-07 Prepared: 05/19/25 Analyzed: 05/22/25 |               |      |             |      |           |       |
| Mercury                                | 946    | 100             | ng/L  | 1000                                                     | ND            | 94.6 | 63-111      |      |           |       |
| <b>Matrix Spike Dup (B251334-MSD1)</b> |        |                 |       |                                                          |               |      |             |      |           |       |
|                                        |        |                 |       | Source: 2505209-06 Prepared: 05/19/25 Analyzed: 05/22/25 |               |      |             |      |           |       |
| Mercury                                | 905    | 100             | ng/L  | 1000                                                     | ND            | 90.5 | 63-111      | 2.78 | 200       |       |
| <b>Matrix Spike Dup (B251334-MSD2)</b> |        |                 |       |                                                          |               |      |             |      |           |       |
|                                        |        |                 |       | Source: 2505209-07 Prepared: 05/19/25 Analyzed: 05/22/25 |               |      |             |      |           |       |
| Mercury                                | 892    | 100             | ng/L  | 1000                                                     | ND            | 89.2 | 63-111      | 5.82 | 200       |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:10

### Notes and Definitions

|     |                                                                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M3  | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| M2  | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| M1  | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |
| B3  | Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result.                                                     |
| DET | Analyte DETECTED                                                                                                                                                                   |
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                                               |
| NR  | Not Reported                                                                                                                                                                       |
| dry | Sample results reported on a dry weight basis<br>*Results reported on as received basis unless designated as dry.                                                                  |
| RPD | Relative Percent Difference                                                                                                                                                        |
| LCS | Laboratory Control Sample (Blank Spike)                                                                                                                                            |
| RL  | Report Limit                                                                                                                                                                       |
| MDL | Method Detection Limit                                                                                                                                                             |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:10

### Qualifier Summary

| <u>LabNumber</u> | <u>Analysis</u>             | <u>Analyte</u>                         | <u>Qualifier</u> | <u>TextBody</u>                                                                                                                                                                    |
|------------------|-----------------------------|----------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2505240-01       | Selenium Dissolved by ICPMS | Selenium                               | B3               | Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result.                                                     |
| B251358-MS1      | Calcium Dissolved by ICP    | Calcium                                | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MS2      | Calcium Dissolved by ICP    | Calcium                                | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MS2      | Sodium Dissolved by ICP     | Sodium                                 | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MSD1     | Calcium Dissolved by ICP    | Calcium                                | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MSD1     | Sodium Dissolved by ICP     | Sodium                                 | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MSD2     | Calcium Dissolved by ICP    | Calcium                                | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MSD2     | Sodium Dissolved by ICP     | Sodium                                 | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251408-MS1      | Sulfate [IC]                | Sulfate                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MS2      | Chloride [IC]               | Chloride                               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MS2      | Fluoride [IC]               | Fluoride                               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MS2      | Sulfate [IC]                | Sulfate                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MSD1     | Sulfate [IC]                | Sulfate                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MSD2     | Chloride [IC]               | Chloride                               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MSD2     | Fluoride [IC]               | Fluoride                               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MSD2     | Sulfate [IC]                | Sulfate                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251426-MS1      | Alkalinity, Total           | Alkalinity, Total as CaCO <sub>3</sub> | M1               | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline

Project Name / Number: [none]

Project Manager: Michael Dickson

**Reported:**

06/02/25 11:10

|                     |                   |                                        |    |                                                                                                                                                                                    |
|---------------------|-------------------|----------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>B251426-MS2</b>  | Alkalinity, Total | Alkalinity, Total as CaCO <sub>3</sub> | M2 | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| <b>B251426-MSD1</b> | Alkalinity, Total | Alkalinity, Total as CaCO <sub>3</sub> | M1 | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |
| <b>B251426-MSD2</b> | Alkalinity, Total | Alkalinity, Total as CaCO <sub>3</sub> | M2 | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



75 Suttle Street  
Durango, CO 81303  
(970) 247-4220

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006, R 8.0

Table of Contents

Note: Write-Out™ or similar products cannot be used on the Chain of Custody

Company or Client: GCC Energy

Address: 6473 CR 120

City: Hesperus

State: CO Zip: 81326

Phone #: 970.385.4528

Contact Person: Michael Dickson for billing; Landon Beck for logistical or technical

Email Report to: mdickson@gcc.com; lbeck@slrconsulting.com; tom@haygulshservices.com

Project Name(optional):

Sampler Name (Print):

Brandon Waddell

Bill to (if different):

ANALYSIS REQUEST

P.O. #:

Rush?

Y N

Collected

Matrix (check one)

# of containers

Lab I.D.

Sample Name or Location

2565-240

61

MW-6-LM

5-14-25

11:12

✓

GROUNDWATER

SURFACE WATER

WASTEWATER

PRODUCED WATER

DRINKING WATER

SOIL

OTHER:

3

No preservation

Nitric Acid

Hydrochloric Acid

4

Sulfuric Acid

Sodium Hydroxide

OTHER:

✓

GCC GW Baseline

GCC SW Baseline

GCC S&S Baseline

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion of the applicable service. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 5-15-25

Received By:

Date: 5-15-25

ADDITIONAL REMARKS:

Relinquished By:

Date: 5-15-25

Received By:

Date: 5-15-25

Relinquished By:

Date: 5-15-25

Received By:

Date: 5-15-25

Temperature at receipt:

°C

Checked by:

On Ice?

Y N

Therm. used:

100%

\* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.



Date/Initials of person examining contents: 5.15.23  
CDVLabeled by initials: \_\_\_\_\_  
(If different than above)

## SAMPLE CONDITION RECEIPT FORM

Client Name: GCC EnergyWork Order # 2505-240Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ OtherCustody Seals on Box/Cooler Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: \_\_\_\_\_Thermometer Used: #2 Samples on ice, cooling process has begun: ☒ Yes ☐ NoType of Ice: ☒ Wet ☐ Blue ☐ None Cooler Temp: Observed Temp: 4.1 °C Correction Factor: -0.9 °C Final Temp: 3.2 °C

\*Temp should be above freezing 6°C

Compliance: ☐ Yes ☒ No

|                                                                                     |                                                                                                  |                 |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------|
| Chain of Custody Filled Out:                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 1.              |
| COC Signed when Relinquished and Received:                                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 2.              |
| Sampler Name and Signature on COC:<br>*Required for compliance                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 3.              |
| Samples arrived within hold time:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 4.              |
| Correct Containers Used & Intact:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5.              |
| Short Hold Time Analysis (<72hr):                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 6. <u>pH</u>    |
| Rush Turn Around Time Requested:                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 7.              |
| Sufficient Volume:                                                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 8.              |
| pH's acceptable upon receipt, where applicable:<br>*Not including metals bottles    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9.              |
| Dissolved Testing Needed:                                                           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 10. <u>0.99</u> |
| Field Filtered: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                  |                 |
| Sample Labels match COC:<br>-Includes Date/Time/ID                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 11.             |
| Matrix:                                                                             | <u>WT</u> <u>SL</u> <u>OT</u>                                                                    |                 |
| Trip Blank Present:                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            | 12.             |
| Trip Blank Custody Seals Present:                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            |                 |
| VOA's meet headspace requirement (<6mm bubbles)                                     | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |                 |
| Non-Conformance(s):                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 13.             |

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
jeremy.allen@greenanalytical.com

02 June 2025

Michael Dickson  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: [none]

Enclosed are the results of analyses for samples received by the laboratory on 05/15/25 14:25. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, reading 'Jeremy D. Allen', is displayed on a light blue rectangular background.

Report Station For Jeremy D Allen  
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101



# Table of Contents

|                                |    |
|--------------------------------|----|
| Samples in Report              | 3  |
| Sample Results                 | 4  |
| 2505241-01: MW-98              | 4  |
| Quality Assurance Results      | 6  |
| Notes and Definitions          | 15 |
| Qualifier Summary              | 16 |
| Chain of Custody & Attachments | 18 |



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:11

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| MW-98     | 2505241-01    | Water  | 05/14/25 13:40 | 05/15/25 14:25 |       |

Green Analytical Laboratories

A handwritten signature in blue ink, reading 'Jeremy D. Allen', is displayed on a light blue rectangular background.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:11

## MW-98

**2505241-01 (Ground Water)**

**Sampled Date: 05/14/25 13:40**

**Sampled By: Brandon Waddell**

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

### General Chemistry

|                                                |        |       |       |           |   |                |                       |  |     |
|------------------------------------------------|--------|-------|-------|-----------|---|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 1010   | 10.0  | 5.55  | mg/L      | 5 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 5 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 120    | 10.0  | 5.55  | mg/L      | 5 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 890    | 10.0  | 5.55  | mg/L      | 5 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Cation/Anion Balance                           | -0.780 | -100  | -100  | %         | 1 | 05/29/25 17:27 | Calculation           |  | JDA |
| Chloride*                                      | <5.00  | 5.00  | 2.49  | mg/L      | 5 | 05/28/25 20:47 | EPA 300.0             |  | AWG |
| Fluoride*                                      | 2.45   | 0.500 | 0.168 | mg/L      | 5 | 05/28/25 20:47 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007 | mg/L as N | 1 | 05/20/25 15:47 | EPA 353.2             |  | HIC |
| pH*                                            | 8.49   |       |       | pH Units  | 1 | 05/16/25 10:49 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 23.0   |       |       | pH Units  | 1 | 05/16/25 10:49 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | <5.00  | 5.00  | 2.81  | mg/L      | 5 | 05/28/25 20:47 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 1080   | 10.0  |       | mg/L      | 1 | 05/21/25 14:42 | EPA 160.1/SM<br>2540C |  | HIC |
| Total Organic Carbon*                          | 3.22   | 0.500 | 0.220 | mg/L      | 1 | 05/22/25 23:11 | 5310C                 |  | AES |

### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178 | mg/L | 5 | 05/27/25 12:44 | EPA 200.7   |  | AWG |
| Calcium*                      | 1.11   | 0.500 | 0.362 | mg/L | 5 | 05/27/25 12:44 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | <3.31  | 3.31  | 2.54  | mg/L | 5 | 05/27/25 12:44 | 2340 B      |  | AWG |
| Iron*                         | <0.250 | 0.250 | 0.173 | mg/L | 5 | 05/27/25 12:44 | EPA 200.7   |  | AWG |
| Magnesium*                    | <0.500 | 0.500 | 0.397 | mg/L | 5 | 05/27/25 12:44 | EPA 200.7   |  | AWG |
| Potassium*                    | <5.00  | 5.00  | 0.906 | mg/L | 5 | 05/27/25 12:44 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 9.17   | 5.35  | 0.104 | mg/L | 5 | 05/27/25 12:44 | Calculation |  | AWG |
| Silicon                       | 4.29   | 2.50  | 0.049 | mg/L | 5 | 05/27/25 12:44 | EPA 200.7   |  | AWG |
| Sodium*                       | 447    | 5.00  | 3.78  | mg/L | 5 | 05/27/25 12:44 | EPA 200.7   |  | AWG |

### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |           |  |     |
|-------------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Arsenic*    | 0.0075  | 0.0020 | 0.0008  | mg/L | 2 | 05/20/25 17:57 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 05/20/25 17:57 | EPA 200.8 |  | AES |
| Copper*     | 0.0124  | 0.0020 | 0.0015  | mg/L | 2 | 05/20/25 17:57 | EPA 200.8 |  | AES |
| Lead*       | <0.0010 | 0.0010 | 0.0002  | mg/L | 2 | 05/20/25 17:57 | EPA 200.8 |  | AES |
| Manganese*  | 0.0092  | 0.0010 | 0.0004  | mg/L | 2 | 05/20/25 17:57 | EPA 200.8 |  | AES |
| Molybdenum* | 0.0041  | 0.0010 | 0.00009 | mg/L | 2 | 05/20/25 17:57 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:11

### MW-98

**2505241-01 (Ground Water)**

**Sampled Date: 05/14/25 13:40**

**Sampled By: Brandon Waddell**

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

#### **Dissolved Metals by ICPMS**

|                  |               |        |         |      |   |                |           |    |     |
|------------------|---------------|--------|---------|------|---|----------------|-----------|----|-----|
| <b>Selenium*</b> | <b>0.0076</b> | 0.0050 | 0.0007  | mg/L | 2 | 05/20/25 17:57 | EPA 200.8 | B3 | AES |
| <b>Uranium</b>   | <b>0.0047</b> | 0.0010 | 0.00005 | mg/L | 2 | 05/20/25 17:57 | EPA 200.8 |    | AES |
| <b>Zinc*</b>     | <0.0040       | 0.0040 | 0.0010  | mg/L | 2 | 05/20/25 17:57 | EPA 200.8 |    | AES |

#### **Dissolved Mercury by CVAFS**

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/22/25 16:02 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:11

### General Chemistry - Quality Control

| Analyte                                        | Result | Reporting Limit               | Units     | Spike Level                   | Source Result | %REC | %REC Limits  | RPD   | RPD Limit | Notes |
|------------------------------------------------|--------|-------------------------------|-----------|-------------------------------|---------------|------|--------------|-------|-----------|-------|
| <b>Batch B251344 - General Prep - Wet Chem</b> |        |                               |           |                               |               |      |              |       |           |       |
| <b>Duplicate (B251344-DUP1)</b>                |        | <b>Source: 2505201-01</b>     |           | Prepared & Analyzed: 05/16/25 |               |      |              |       |           |       |
| pH                                             | 7.79   |                               | pH Units  |                               | 7.78          |      |              | 0.128 | 20        |       |
| pH Temperature, degrees C                      | 21.9   |                               | pH Units  |                               | 21.8          |      |              | 0.458 | 200       |       |
| <b>Duplicate (B251344-DUP2)</b>                |        | <b>Source: 2505201-02</b>     |           | Prepared & Analyzed: 05/16/25 |               |      |              |       |           |       |
| pH                                             | 7.94   |                               | pH Units  |                               | 7.90          |      |              | 0.505 | 20        |       |
| pH Temperature, degrees C                      | 20.5   |                               | pH Units  |                               | 21.0          |      |              | 2.41  | 200       |       |
| <b>Reference (B251344-SRM1)</b>                |        | Prepared & Analyzed: 05/16/25 |           |                               |               |      |              |       |           |       |
| pH                                             | 6.96   |                               | pH Units  | 7.00                          |               | 99.4 | 98.57-101.42 |       |           |       |
| <b>Batch B251352 - Lachat</b>                  |        |                               |           |                               |               |      |              |       |           |       |
| <b>Blank (B251352-BLK1)</b>                    |        | Prepared & Analyzed: 05/20/25 |           |                               |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | ND     | 0.020                         | mg/L as N |                               |               |      |              |       |           |       |
| <b>LCS (B251352-BS1)</b>                       |        | Prepared & Analyzed: 05/20/25 |           |                               |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.03   | 0.020                         | mg/L as N | 1.00                          |               | 103  | 90-110       |       |           |       |
| <b>LCS Dup (B251352-BSD1)</b>                  |        | Prepared & Analyzed: 05/20/25 |           |                               |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.03   | 0.020                         | mg/L as N | 1.00                          |               | 103  | 90-110       | 0.291 | 20        |       |
| <b>Matrix Spike (B251352-MS1)</b>              |        | <b>Source: 2505209-17</b>     |           | Prepared & Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.04   | 0.020                         | mg/L as N | 1.00                          | ND            | 104  | 90-110       |       |           |       |
| <b>Matrix Spike (B251352-MS2)</b>              |        | <b>Source: 2505238-01</b>     |           | Prepared & Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.06   | 0.020                         | mg/L as N | 1.00                          | 0.084         | 97.1 | 90-110       |       |           |       |
| <b>Matrix Spike Dup (B251352-MSD1)</b>         |        | <b>Source: 2505209-17</b>     |           | Prepared & Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.04   | 0.020                         | mg/L as N | 1.00                          | ND            | 104  | 90-110       | 0.193 | 20        |       |
| <b>Matrix Spike Dup (B251352-MSD2)</b>         |        | <b>Source: 2505238-01</b>     |           | Prepared & Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.06   | 0.020                         | mg/L as N | 1.00                          | 0.084         | 97.7 | 90-110       | 0.567 | 20        |       |
| <b>Batch B251375 - General Prep - Wet Chem</b> |        |                               |           |                               |               |      |              |       |           |       |
| <b>Blank (B251375-BLK1)</b>                    |        | Prepared & Analyzed: 05/21/25 |           |                               |               |      |              |       |           |       |
| Total Dissolved Solids                         | ND     | 10.0                          | mg/L      |                               |               |      |              |       |           |       |
| <b>Duplicate (B251375-DUP1)</b>                |        | <b>Source: 2505240-01</b>     |           | Prepared & Analyzed: 05/21/25 |               |      |              |       |           |       |
| Total Dissolved Solids                         | 455    | 10.0                          | mg/L      |                               | 445           |      |              | 2.23  | 20        |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:11

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251375 - General Prep - Wet Chem (Continued)

##### Reference (B251375-SRM1)

Prepared & Analyzed: 05/21/25

|                        |     |      |      |     |     |        |
|------------------------|-----|------|------|-----|-----|--------|
| Total Dissolved Solids | 410 | 10.0 | mg/L | 400 | 102 | 85-115 |
|------------------------|-----|------|------|-----|-----|--------|

#### Batch B251390 - General Prep - Wet Chem

##### Blank (B251390-BLK1)

Prepared & Analyzed: 05/22/25

|                      |    |       |      |
|----------------------|----|-------|------|
| Total Organic Carbon | ND | 0.500 | mg/L |
|----------------------|----|-------|------|

##### LCS (B251390-BS1)

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |        |
|----------------------|------|-------|------|------|------|--------|
| Total Organic Carbon | 9.62 | 0.500 | mg/L | 10.0 | 96.2 | 85-115 |
|----------------------|------|-------|------|------|------|--------|

##### LCS Dup (B251390-BSD1)

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |        |       |    |
|----------------------|------|-------|------|------|------|--------|-------|----|
| Total Organic Carbon | 9.61 | 0.500 | mg/L | 10.0 | 96.1 | 85-115 | 0.104 | 20 |
|----------------------|------|-------|------|------|------|--------|-------|----|

##### Matrix Spike (B251390-MS1)

Source: 2505198-02

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |      |        |
|----------------------|------|-------|------|------|------|------|--------|
| Total Organic Carbon | 11.5 | 0.500 | mg/L | 10.0 | 1.91 | 95.5 | 80-120 |
|----------------------|------|-------|------|------|------|------|--------|

##### Matrix Spike (B251390-MS2)

Source: 2505198-03

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |      |        |
|----------------------|------|-------|------|------|------|------|--------|
| Total Organic Carbon | 11.6 | 0.500 | mg/L | 10.0 | 1.95 | 96.4 | 80-120 |
|----------------------|------|-------|------|------|------|------|--------|

##### Matrix Spike Dup (B251390-MSD1)

Source: 2505198-02

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |      |        |       |    |
|----------------------|------|-------|------|------|------|------|--------|-------|----|
| Total Organic Carbon | 11.4 | 0.500 | mg/L | 10.0 | 1.91 | 94.4 | 80-120 | 0.964 | 20 |
|----------------------|------|-------|------|------|------|------|--------|-------|----|

##### Matrix Spike Dup (B251390-MSD2)

Source: 2505198-03

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |      |        |      |    |
|----------------------|------|-------|------|------|------|------|--------|------|----|
| Total Organic Carbon | 11.5 | 0.500 | mg/L | 10.0 | 1.95 | 95.1 | 80-120 | 1.13 | 20 |
|----------------------|------|-------|------|------|------|------|--------|------|----|

#### Batch B251408 - IC- Ion Chromatograph

##### Blank (B251408-BLK1)

Prepared: 05/27/25 Analyzed: 05/28/25

|          |    |       |      |
|----------|----|-------|------|
| Chloride | ND | 1.00  | mg/L |
| Fluoride | ND | 0.100 | mg/L |
| Sulfate  | ND | 1.00  | mg/L |

##### LCS (B251408-BS1)

Prepared: 05/27/25 Analyzed: 05/30/25

|          |      |       |      |      |      |        |
|----------|------|-------|------|------|------|--------|
| Chloride | 24.3 | 1.00  | mg/L | 25.0 | 97.1 | 90-110 |
| Fluoride | 2.51 | 0.100 | mg/L | 2.50 | 100  | 90-110 |
| Sulfate  | 24.2 | 1.00  | mg/L | 25.0 | 96.7 | 90-110 |

##### LCS Dup (B251408-BSD1)

Prepared: 05/27/25 Analyzed: 05/28/25

|          |      |       |      |      |      |        |      |    |
|----------|------|-------|------|------|------|--------|------|----|
| Chloride | 22.8 | 1.00  | mg/L | 25.0 | 91.0 | 90-110 | 6.44 | 20 |
| Fluoride | 2.36 | 0.100 | mg/L | 2.50 | 94.3 | 90-110 | 6.37 | 20 |
| Sulfate  | 22.5 | 1.00  | mg/L | 25.0 | 90.2 | 90-110 | 6.95 | 20 |

##### Matrix Spike (B251408-MS1)

Source: 2505248-01

Prepared: 05/27/25 Analyzed: 05/29/25

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:11

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251408 - IC- Ion Chromatograph (Continued)

|                                               |      |                           |      |                    |       |                    |        |       |    |    |
|-----------------------------------------------|------|---------------------------|------|--------------------|-------|--------------------|--------|-------|----|----|
| <b>Matrix Spike (B251408-MS1) (Continued)</b> |      | <b>Source: 2505248-01</b> |      | Prepared: 05/27/25 |       | Analyzed: 05/29/25 |        |       |    |    |
| Chloride                                      | 85.8 | 5.00                      | mg/L | 25.0               | 63.7  | 88.6               | 85-115 |       |    |    |
| Fluoride                                      | 5.37 | 0.500                     | mg/L | 2.50               | 3.23  | 85.6               | 85-115 |       |    |    |
| Sulfate                                       | 60.0 | 5.00                      | mg/L | 25.0               | 39.3  | 82.6               | 85-115 |       |    | M2 |
| <b>Matrix Spike (B251408-MS2)</b>             |      | <b>Source: 2505252-01</b> |      | Prepared: 05/27/25 |       | Analyzed: 05/29/25 |        |       |    |    |
| Chloride                                      | 64.4 | 5.00                      | mg/L | 25.0               | 43.8  | 82.3               | 85-115 |       |    | M2 |
| Fluoride                                      | 2.82 | 0.500                     | mg/L | 2.50               | 0.775 | 81.6               | 85-115 |       |    | M2 |
| Sulfate                                       | 401  | 5.00                      | mg/L | 25.0               | 384   | 67.6               | 85-115 |       |    | M2 |
| <b>Matrix Spike Dup (B251408-MSD1)</b>        |      | <b>Source: 2505248-01</b> |      | Prepared: 05/27/25 |       | Analyzed: 05/29/25 |        |       |    |    |
| Chloride                                      | 86.1 | 5.00                      | mg/L | 25.0               | 63.7  | 89.5               | 85-115 | 0.273 | 20 |    |
| Fluoride                                      | 5.41 | 0.500                     | mg/L | 2.50               | 3.23  | 87.0               | 85-115 | 0.650 | 20 |    |
| Sulfate                                       | 60.2 | 5.00                      | mg/L | 25.0               | 39.3  | 83.7               | 85-115 | 0.466 | 20 | M2 |
| <b>Matrix Spike Dup (B251408-MSD2)</b>        |      | <b>Source: 2505252-01</b> |      | Prepared: 05/27/25 |       | Analyzed: 05/29/25 |        |       |    |    |
| Chloride                                      | 64.3 | 5.00                      | mg/L | 25.0               | 43.8  | 81.8               | 85-115 | 0.202 | 20 | M2 |
| Fluoride                                      | 2.84 | 0.500                     | mg/L | 2.50               | 0.775 | 82.6               | 85-115 | 0.884 | 20 | M2 |
| Sulfate                                       | 397  | 5.00                      | mg/L | 25.0               | 384   | 54.0               | 85-115 | 0.857 | 20 | M2 |

#### Batch B251426 - General Prep - Wet Chem

|                                              |      |                           |      |                    |     |                    |        |      |    |    |
|----------------------------------------------|------|---------------------------|------|--------------------|-----|--------------------|--------|------|----|----|
| <b>Blank (B251426-BLK1)</b>                  |      | Prepared: 05/27/25        |      | Analyzed: 05/28/25 |     |                    |        |      |    |    |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | ND   | 10.0                      | mg/L |                    |     |                    |        |      |    |    |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND   | 10.0                      | mg/L |                    |     |                    |        |      |    |    |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND   | 10.0                      | mg/L |                    |     |                    |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | ND   | 10.0                      | mg/L |                    |     |                    |        |      |    |    |
| <b>LCS (B251426-BS1)</b>                     |      | Prepared: 05/27/25        |      | Analyzed: 05/28/25 |     |                    |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | 95.0 | 10.0                      | mg/L | 100                |     | 95.0               | 85-115 |      |    |    |
| <b>LCS Dup (B251426-BSD1)</b>                |      | Prepared: 05/27/25        |      | Analyzed: 05/28/25 |     |                    |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | 97.0 | 10.0                      | mg/L | 100                |     | 97.0               | 85-115 | 2.08 | 20 |    |
| <b>Matrix Spike (B251426-MS1)</b>            |      | <b>Source: 2505252-01</b> |      | Prepared: 05/27/25 |     | Analyzed: 05/28/25 |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | 252  | 10.0                      | mg/L | 100                | 128 | 124                | 80-120 |      |    | M1 |
| <b>Matrix Spike (B251426-MS2)</b>            |      | <b>Source: 2505293-01</b> |      | Prepared: 05/27/25 |     | Analyzed: 05/28/25 |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | 28.0 | 10.0                      | mg/L | 100                | ND  | 28.0               | 80-120 |      |    | M2 |
| <b>Matrix Spike Dup (B251426-MSD1)</b>       |      | <b>Source: 2505252-01</b> |      | Prepared: 05/27/25 |     | Analyzed: 05/28/25 |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | 269  | 10.0                      | mg/L | 100                | 128 | 141                | 80-120 | 6.53 | 20 | M1 |
| <b>Matrix Spike Dup (B251426-MSD2)</b>       |      | <b>Source: 2505293-01</b> |      | Prepared: 05/27/25 |     | Analyzed: 05/28/25 |        |      |    |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:11

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251426 - General Prep - Wet Chem (Continued)

##### Matrix Spike Dup (B251426-MSD2) (Continued)

Source: 2505293-01

Prepared: 05/27/25 Analyzed: 05/28/25

|                                        |      |      |      |     |    |      |        |      |    |    |
|----------------------------------------|------|------|------|-----|----|------|--------|------|----|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 27.0 | 10.0 | mg/L | 100 | ND | 27.0 | 80-120 | 3.64 | 20 | M2 |
|----------------------------------------|------|------|------|-----|----|------|--------|------|----|----|

##### Reference (B251426-SRM1)

Prepared: 05/27/25 Analyzed: 05/28/25

|                                        |      |      |      |     |  |      |        |  |  |  |
|----------------------------------------|------|------|------|-----|--|------|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 99.0 | 10.0 | mg/L | 100 |  | 99.0 | 85-115 |  |  |  |
|----------------------------------------|------|------|------|-----|--|------|--------|--|--|--|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:11

### Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251358 - Dissolved ICP

##### Blank (B251358-BLK1)

Prepared: 05/23/25 Analyzed: 05/27/25

|           |    |       |      |  |  |  |  |  |  |  |
|-----------|----|-------|------|--|--|--|--|--|--|--|
| Aluminum  | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Calcium   | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Iron      | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Magnesium | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Potassium | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Silicon   | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
| Sodium    | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251358-BS1)

Prepared: 05/20/25 Analyzed: 05/27/25

|           |      |       |      |      |      |        |  |  |  |  |
|-----------|------|-------|------|------|------|--------|--|--|--|--|
| Aluminum  | 3.84 | 0.050 | mg/L | 4.00 | 96.1 | 85-115 |  |  |  |  |
| Calcium   | 3.91 | 0.100 | mg/L | 4.00 | 97.7 | 85-115 |  |  |  |  |
| Iron      | 3.91 | 0.050 | mg/L | 4.00 | 97.8 | 85-115 |  |  |  |  |
| Magnesium | 20.2 | 0.100 | mg/L | 20.0 | 101  | 85-115 |  |  |  |  |
| Potassium | 7.92 | 1.00  | mg/L | 8.00 | 99.0 | 85-115 |  |  |  |  |
| Silicon   | 4.14 | 0.500 | mg/L | 4.00 | 103  | 85-115 |  |  |  |  |
| Sodium    | 3.12 | 1.00  | mg/L | 3.24 | 96.3 | 85-115 |  |  |  |  |

##### LCS Dup (B251358-BS1)

Prepared: 05/20/25 Analyzed: 05/27/25

|           |      |       |      |      |      |        |       |    |  |  |
|-----------|------|-------|------|------|------|--------|-------|----|--|--|
| Aluminum  | 3.79 | 0.050 | mg/L | 4.00 | 94.8 | 85-115 | 1.38  | 20 |  |  |
| Calcium   | 3.86 | 0.100 | mg/L | 4.00 | 96.5 | 85-115 | 1.24  | 20 |  |  |
| Iron      | 3.87 | 0.050 | mg/L | 4.00 | 96.7 | 85-115 | 1.13  | 20 |  |  |
| Magnesium | 20.0 | 0.100 | mg/L | 20.0 | 100  | 85-115 | 1.08  | 20 |  |  |
| Potassium | 7.89 | 1.00  | mg/L | 8.00 | 98.7 | 85-115 | 0.358 | 20 |  |  |
| Silicon   | 4.10 | 0.500 | mg/L | 4.00 | 102  | 85-115 | 1.01  | 20 |  |  |
| Sodium    | 3.05 | 1.00  | mg/L | 3.24 | 94.1 | 85-115 | 2.33  | 20 |  |  |

##### Matrix Spike (B251358-MS1)

Source: 2505209-17 Prepared: 05/23/25 Analyzed: 05/27/25

|           |      |       |      |      |       |      |        |  |  |    |
|-----------|------|-------|------|------|-------|------|--------|--|--|----|
| Aluminum  | 4.15 | 0.050 | mg/L | 4.00 | ND    | 104  | 70-130 |  |  |    |
| Calcium   | 46.6 | 0.100 | mg/L | 4.00 | 45.0  | 38.8 | 70-130 |  |  | M3 |
| Iron      | 4.21 | 0.050 | mg/L | 4.00 | ND    | 105  | 70-130 |  |  |    |
| Magnesium | 26.4 | 0.100 | mg/L | 20.0 | 5.79  | 103  | 70-130 |  |  |    |
| Potassium | 9.03 | 1.00  | mg/L | 8.00 | 0.766 | 103  | 70-130 |  |  |    |
| Silicon   | 6.39 | 0.500 | mg/L | 4.00 | 2.28  | 103  | 70-130 |  |  |    |
| Sodium    | 5.78 | 1.00  | mg/L | 3.24 | 2.51  | 101  | 70-130 |  |  |    |

##### Matrix Spike (B251358-MS2)

Source: 2505240-01 Prepared: 05/23/25 Analyzed: 05/27/25

|           |      |       |      |      |      |      |        |  |  |    |
|-----------|------|-------|------|------|------|------|--------|--|--|----|
| Aluminum  | 3.98 | 0.250 | mg/L | 4.00 | ND   | 99.4 | 70-130 |  |  |    |
| Calcium   | 40.9 | 0.500 | mg/L | 4.00 | 38.2 | 67.5 | 70-130 |  |  | M3 |
| Iron      | 4.05 | 0.250 | mg/L | 4.00 | ND   | 101  | 70-130 |  |  |    |
| Magnesium | 44.0 | 0.500 | mg/L | 20.0 | 25.4 | 93.1 | 70-130 |  |  |    |
| Potassium | 10.7 | 5.00  | mg/L | 8.00 | 2.55 | 102  | 70-130 |  |  |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:11

### Dissolved Metals by ICP - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251358 - Dissolved ICP (Continued)

##### Matrix Spike (B251358-MS2) (Continued)

Source: 2505240-01 Prepared: 05/23/25 Analyzed: 05/27/25

|         |      |      |      |      |      |      |        |  |  |    |
|---------|------|------|------|------|------|------|--------|--|--|----|
| Silicon | 11.7 | 2.50 | mg/L | 4.00 | 8.42 | 82.7 | 70-130 |  |  |    |
| Sodium  | 105  | 5.00 | mg/L | 3.24 | 105  | NR   | 70-130 |  |  | M3 |

##### Matrix Spike Dup (B251358-MSD1)

Source: 2505209-17 Prepared: 05/23/25 Analyzed: 05/27/25

|           |      |       |      |      |      |      |        |      |    |    |
|-----------|------|-------|------|------|------|------|--------|------|----|----|
| Aluminum  | 3.99 | 0.250 | mg/L | 4.00 | ND   | 99.8 | 70-130 | 3.88 | 20 |    |
| Calcium   | 45.6 | 0.500 | mg/L | 4.00 | 45.0 | 14.2 | 70-130 | 2.14 | 20 | M3 |
| Iron      | 4.05 | 0.250 | mg/L | 4.00 | ND   | 101  | 70-130 | 4.04 | 20 |    |
| Magnesium | 25.8 | 0.500 | mg/L | 20.0 | 5.79 | 100  | 70-130 | 2.33 | 20 |    |
| Potassium | 8.72 | 5.00  | mg/L | 8.00 | ND   | 109  | 70-130 | 3.50 | 20 |    |
| Silicon   | 6.17 | 2.50  | mg/L | 4.00 | 2.28 | 97.3 | 70-130 | 3.51 | 20 |    |
| Sodium    | 5.17 | 5.00  | mg/L | 3.24 | ND   | 160  | 70-130 | 11.1 | 20 | M3 |

##### Matrix Spike Dup (B251358-MSD2)

Source: 2505240-01 Prepared: 05/23/25 Analyzed: 05/27/25

|           |      |       |      |      |      |      |        |       |    |    |
|-----------|------|-------|------|------|------|------|--------|-------|----|----|
| Aluminum  | 3.79 | 0.500 | mg/L | 4.00 | ND   | 94.7 | 70-130 | 4.89  | 20 |    |
| Calcium   | 41.0 | 1.00  | mg/L | 4.00 | 38.2 | 69.3 | 70-130 | 0.171 | 20 | M3 |
| Iron      | 4.07 | 0.500 | mg/L | 4.00 | ND   | 102  | 70-130 | 0.491 | 20 |    |
| Magnesium | 44.0 | 1.00  | mg/L | 20.0 | 25.4 | 92.7 | 70-130 | 0.172 | 20 |    |
| Potassium | 10.8 | 10.0  | mg/L | 8.00 | 2.55 | 104  | 70-130 | 1.32  | 20 |    |
| Silicon   | 11.7 | 5.00  | mg/L | 4.00 | 8.42 | 82.0 | 70-130 | 0.244 | 20 |    |
| Sodium    | 101  | 10.0  | mg/L | 3.24 | 105  | NR   | 70-130 | 3.52  | 20 | M3 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:11

### Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251349 - Dissolved ICPMS

##### Blank (B251349-BLK1)

Prepared & Analyzed: 05/20/25

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0010 | mg/L |
| Cadmium    | ND | 0.0005 | mg/L |
| Copper     | ND | 0.0010 | mg/L |
| Lead       | ND | 0.0005 | mg/L |
| Manganese  | ND | 0.0005 | mg/L |
| Molybdenum | ND | 0.0005 | mg/L |
| Selenium   | ND | 0.0010 | mg/L |
| Uranium    | ND | 0.0005 | mg/L |
| Zinc       | ND | 0.0020 | mg/L |

##### LCS (B251349-BS1)

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |      |        |
|------------|--------|--------|------|--------|------|--------|
| Arsenic    | 0.0471 | 0.0010 | mg/L | 0.0500 | 94.2 | 85-115 |
| Cadmium    | 0.0489 | 0.0005 | mg/L | 0.0500 | 97.9 | 85-115 |
| Copper     | 0.0496 | 0.0010 | mg/L | 0.0500 | 99.2 | 85-115 |
| Lead       | 0.0487 | 0.0005 | mg/L | 0.0500 | 97.4 | 85-115 |
| Manganese  | 0.0506 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |
| Molybdenum | 0.0501 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 |
| Selenium   | 0.237  | 0.0010 | mg/L | 0.250  | 94.9 | 85-115 |
| Uranium    | 0.0495 | 0.0005 | mg/L | 0.0500 | 99.0 | 85-115 |
| Zinc       | 0.0504 | 0.0020 | mg/L | 0.0500 | 101  | 85-115 |

##### LCS Dup (B251349-BSD1)

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |      |        |       |    |
|------------|--------|--------|------|--------|------|--------|-------|----|
| Arsenic    | 0.0488 | 0.0010 | mg/L | 0.0500 | 97.5 | 85-115 | 3.48  | 20 |
| Cadmium    | 0.0492 | 0.0005 | mg/L | 0.0500 | 98.4 | 85-115 | 0.515 | 20 |
| Copper     | 0.0495 | 0.0010 | mg/L | 0.0500 | 99.0 | 85-115 | 0.210 | 20 |
| Lead       | 0.0491 | 0.0005 | mg/L | 0.0500 | 98.3 | 85-115 | 0.856 | 20 |
| Manganese  | 0.0502 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 | 0.962 | 20 |
| Molybdenum | 0.0500 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 | 0.173 | 20 |
| Selenium   | 0.241  | 0.0010 | mg/L | 0.250  | 96.4 | 85-115 | 1.61  | 20 |
| Uranium    | 0.0500 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 | 1.03  | 20 |
| Zinc       | 0.0509 | 0.0020 | mg/L | 0.0500 | 102  | 85-115 | 0.973 | 20 |

##### Matrix Spike (B251349-MS1)

Source: 2505209-03

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |
|------------|--------|--------|------|--------|--------|------|--------|
| Arsenic    | 0.0528 | 0.0010 | mg/L | 0.0500 | ND     | 106  | 70-130 |
| Cadmium    | 0.0493 | 0.0005 | mg/L | 0.0500 | 0.0001 | 98.3 | 70-130 |
| Copper     | 0.0469 | 0.0010 | mg/L | 0.0500 | 0.0022 | 89.3 | 70-130 |
| Lead       | 0.0430 | 0.0005 | mg/L | 0.0500 | ND     | 85.7 | 70-130 |
| Manganese  | 0.124  | 0.0005 | mg/L | 0.0500 | 0.0814 | 84.9 | 70-130 |
| Molybdenum | 0.0510 | 0.0005 | mg/L | 0.0500 | 0.0004 | 101  | 70-130 |
| Selenium   | 0.274  | 0.0010 | mg/L | 0.250  | ND     | 110  | 70-130 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:11

### Dissolved Metals by ICPMS - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251349 - Dissolved ICPMS (Continued)

##### Matrix Spike (B251349-MS1) (Continued)

Source: 2505209-03 Prepared & Analyzed: 05/20/25

|         |        |        |      |        |        |      |        |  |  |  |
|---------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Uranium | 0.0446 | 0.0005 | mg/L | 0.0500 | 0.0003 | 88.6 | 70-130 |  |  |  |
| Zinc    | 0.0825 | 0.0020 | mg/L | 0.0500 | 0.0342 | 96.6 | 70-130 |  |  |  |

##### Matrix Spike (B251349-MS2)

Source: 2505209-04 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |  |  |  |
|------------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Arsenic    | 0.0510 | 0.0010 | mg/L | 0.0500 | ND     | 102  | 70-130 |  |  |  |
| Cadmium    | 0.0486 | 0.0005 | mg/L | 0.0500 | 0.0002 | 96.9 | 70-130 |  |  |  |
| Copper     | 0.0473 | 0.0010 | mg/L | 0.0500 | 0.0033 | 87.9 | 70-130 |  |  |  |
| Lead       | 0.0481 | 0.0005 | mg/L | 0.0500 | 0.0014 | 93.4 | 70-130 |  |  |  |
| Manganese  | 0.130  | 0.0005 | mg/L | 0.0500 | 0.0878 | 84.9 | 70-130 |  |  |  |
| Molybdenum | 0.0495 | 0.0005 | mg/L | 0.0500 | 0.0004 | 98.3 | 70-130 |  |  |  |
| Selenium   | 0.265  | 0.0010 | mg/L | 0.250  | ND     | 106  | 70-130 |  |  |  |
| Uranium    | 0.0485 | 0.0005 | mg/L | 0.0500 | 0.0003 | 96.5 | 70-130 |  |  |  |
| Zinc       | 0.0897 | 0.0020 | mg/L | 0.0500 | 0.0412 | 97.0 | 70-130 |  |  |  |

##### Matrix Spike Dup (B251349-MSD1)

Source: 2505209-03 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |        |    |  |
|------------|--------|--------|------|--------|--------|------|--------|--------|----|--|
| Arsenic    | 0.0525 | 0.0010 | mg/L | 0.0500 | ND     | 105  | 70-130 | 0.554  | 20 |  |
| Cadmium    | 0.0493 | 0.0005 | mg/L | 0.0500 | 0.0001 | 98.4 | 70-130 | 0.0358 | 20 |  |
| Copper     | 0.0470 | 0.0010 | mg/L | 0.0500 | 0.0022 | 89.7 | 70-130 | 0.402  | 20 |  |
| Lead       | 0.0426 | 0.0005 | mg/L | 0.0500 | ND     | 84.9 | 70-130 | 0.956  | 20 |  |
| Manganese  | 0.126  | 0.0005 | mg/L | 0.0500 | 0.0814 | 89.1 | 70-130 | 1.68   | 20 |  |
| Molybdenum | 0.0509 | 0.0005 | mg/L | 0.0500 | 0.0004 | 101  | 70-130 | 0.236  | 20 |  |
| Selenium   | 0.270  | 0.0010 | mg/L | 0.250  | ND     | 108  | 70-130 | 1.41   | 20 |  |
| Uranium    | 0.0441 | 0.0005 | mg/L | 0.0500 | 0.0003 | 87.6 | 70-130 | 1.17   | 20 |  |
| Zinc       | 0.0834 | 0.0020 | mg/L | 0.0500 | 0.0342 | 98.6 | 70-130 | 1.19   | 20 |  |

##### Matrix Spike Dup (B251349-MSD2)

Source: 2505209-04 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |       |    |  |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|--|
| Arsenic    | 0.0521 | 0.0010 | mg/L | 0.0500 | ND     | 104  | 70-130 | 2.22  | 20 |  |
| Cadmium    | 0.0488 | 0.0005 | mg/L | 0.0500 | 0.0002 | 97.3 | 70-130 | 0.386 | 20 |  |
| Copper     | 0.0475 | 0.0010 | mg/L | 0.0500 | 0.0033 | 88.3 | 70-130 | 0.439 | 20 |  |
| Lead       | 0.0475 | 0.0005 | mg/L | 0.0500 | 0.0014 | 92.2 | 70-130 | 1.28  | 20 |  |
| Manganese  | 0.130  | 0.0005 | mg/L | 0.0500 | 0.0878 | 84.5 | 70-130 | 0.147 | 20 |  |
| Molybdenum | 0.0499 | 0.0005 | mg/L | 0.0500 | 0.0004 | 99.1 | 70-130 | 0.828 | 20 |  |
| Selenium   | 0.270  | 0.0010 | mg/L | 0.250  | ND     | 108  | 70-130 | 1.79  | 20 |  |
| Uranium    | 0.0484 | 0.0005 | mg/L | 0.0500 | 0.0003 | 96.3 | 70-130 | 0.164 | 20 |  |
| Zinc       | 0.0892 | 0.0020 | mg/L | 0.0500 | 0.0412 | 96.0 | 70-130 | 0.580 | 20 |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:11

### Dissolved Mercury by CVAFS - Quality Control

| Analyte                                | Result | Reporting Limit | Units | Spike Level                                              | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|----------------------------------------|--------|-----------------|-------|----------------------------------------------------------|---------------|------|-------------|------|-----------|-------|
| <b>Batch B251334 - EPA 245.7</b>       |        |                 |       |                                                          |               |      |             |      |           |       |
| <b>Blank (B251334-BLK1)</b>            |        |                 |       |                                                          |               |      |             |      |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/22/25                    |               |      |             |      |           |       |
| Mercury                                | ND     | 100             | ng/L  |                                                          |               |      |             |      |           |       |
| <b>LCS (B251334-BS1)</b>               |        |                 |       |                                                          |               |      |             |      |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/22/25                    |               |      |             |      |           |       |
| Mercury                                | 866    | 100             | ng/L  | 1000                                                     |               | 86.6 | 76-113      |      |           |       |
| <b>LCS Dup (B251334-BSD1)</b>          |        |                 |       |                                                          |               |      |             |      |           |       |
|                                        |        |                 |       | Prepared: 05/19/25 Analyzed: 05/22/25                    |               |      |             |      |           |       |
| Mercury                                | 836    | 100             | ng/L  | 1000                                                     |               | 83.6 | 76-113      | 3.50 | 20        |       |
| <b>Matrix Spike (B251334-MS1)</b>      |        |                 |       |                                                          |               |      |             |      |           |       |
|                                        |        |                 |       | Source: 2505209-06 Prepared: 05/19/25 Analyzed: 05/22/25 |               |      |             |      |           |       |
| Mercury                                | 931    | 100             | ng/L  | 1000                                                     | ND            | 93.1 | 63-111      |      |           |       |
| <b>Matrix Spike (B251334-MS2)</b>      |        |                 |       |                                                          |               |      |             |      |           |       |
|                                        |        |                 |       | Source: 2505209-07 Prepared: 05/19/25 Analyzed: 05/22/25 |               |      |             |      |           |       |
| Mercury                                | 946    | 100             | ng/L  | 1000                                                     | ND            | 94.6 | 63-111      |      |           |       |
| <b>Matrix Spike Dup (B251334-MSD1)</b> |        |                 |       |                                                          |               |      |             |      |           |       |
|                                        |        |                 |       | Source: 2505209-06 Prepared: 05/19/25 Analyzed: 05/22/25 |               |      |             |      |           |       |
| Mercury                                | 905    | 100             | ng/L  | 1000                                                     | ND            | 90.5 | 63-111      | 2.78 | 200       |       |
| <b>Matrix Spike Dup (B251334-MSD2)</b> |        |                 |       |                                                          |               |      |             |      |           |       |
|                                        |        |                 |       | Source: 2505209-07 Prepared: 05/19/25 Analyzed: 05/22/25 |               |      |             |      |           |       |
| Mercury                                | 892    | 100             | ng/L  | 1000                                                     | ND            | 89.2 | 63-111      | 5.82 | 200       |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:11

### Notes and Definitions

|     |                                                                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M3  | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| M2  | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| M1  | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |
| B3  | Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result.                                                     |
| DET | Analyte DETECTED                                                                                                                                                                   |
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                                               |
| NR  | Not Reported                                                                                                                                                                       |
| dry | Sample results reported on a dry weight basis<br>*Results reported on as received basis unless designated as dry.                                                                  |
| RPD | Relative Percent Difference                                                                                                                                                        |
| LCS | Laboratory Control Sample (Blank Spike)                                                                                                                                            |
| RL  | Report Limit                                                                                                                                                                       |
| MDL | Method Detection Limit                                                                                                                                                             |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:11

### Qualifier Summary

| <u>LabNumber</u> | <u>Analysis</u>             | <u>Analyte</u>                         | <u>Qualifier</u> | <u>TextBody</u>                                                                                                                                                                    |
|------------------|-----------------------------|----------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2505241-01       | Selenium Dissolved by ICPMS | Selenium                               | B3               | Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result.                                                     |
| B251358-MS1      | Calcium Dissolved by ICP    | Calcium                                | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MS2      | Calcium Dissolved by ICP    | Calcium                                | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MS2      | Sodium Dissolved by ICP     | Sodium                                 | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MSD1     | Calcium Dissolved by ICP    | Calcium                                | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MSD1     | Sodium Dissolved by ICP     | Sodium                                 | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MSD2     | Calcium Dissolved by ICP    | Calcium                                | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MSD2     | Sodium Dissolved by ICP     | Sodium                                 | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251408-MS1      | Sulfate [IC]                | Sulfate                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MS2      | Chloride [IC]               | Chloride                               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MS2      | Fluoride [IC]               | Fluoride                               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MS2      | Sulfate [IC]                | Sulfate                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MSD1     | Sulfate [IC]                | Sulfate                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MSD2     | Chloride [IC]               | Chloride                               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MSD2     | Fluoride [IC]               | Fluoride                               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MSD2     | Sulfate [IC]                | Sulfate                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251426-MS1      | Alkalinity, Total           | Alkalinity, Total as CaCO <sub>3</sub> | M1               | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline

Project Name / Number: [none]

Project Manager: Michael Dickson

**Reported:**

06/02/25 11:11

|                     |                   |                                        |    |                                                                                                                                                                                    |
|---------------------|-------------------|----------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>B251426-MS2</b>  | Alkalinity, Total | Alkalinity, Total as CaCO <sub>3</sub> | M2 | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| <b>B251426-MSD1</b> | Alkalinity, Total | Alkalinity, Total as CaCO <sub>3</sub> | M1 | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |
| <b>B251426-MSD2</b> | Alkalinity, Total | Alkalinity, Total as CaCO <sub>3</sub> | M2 | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



75 Suttle Street  
Durango, CO 81303  
(970) 247-4220

Note: Wife-Out™ or similar products cannot be used on the Chain of Custody

|                                                                                      |  |                                                            |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------|--|------------------------------------------------------------|--|------------------|--|-------------------------------------|--|-------------------|--|-------------------------------------|--|--|--|--|--|--|--|--|--|
| Company or Client: GCC Energy                                                        |  | Bill to (if different):                                    |  | ANALYSIS REQUEST |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
| Address: 6473 CR 120                                                                 |  |                                                            |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
| City: Hesperus                                                                       |  | State: CO Zip: 81326                                       |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
| Phone #: 970.385.4528                                                                |  |                                                            |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
| Contact Person: Michael Dickson for billing; Landon Beck for logistical or technical |  |                                                            |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
| Email Report to: mdickson@gcc.com; lbeck@slrconsulting.com; tom@haygalservices.com   |  |                                                            |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
| Project Name(optional):                                                              |  | P.O. #:                                                    |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
| Sampler Name (Print): Brandon Waddell                                                |  | Rush?                                                      |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
|                                                                                      |  | Y <input type="radio"/> N <input checked="" type="radio"/> |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
| Lab I.D. 255-241                                                                     |  | Sample Name or Location                                    |  | Collected        |  | Matrix (check one)                  |  | # of containers   |  |                                     |  |  |  |  |  |  |  |  |  |
|                                                                                      |  |                                                            |  |                  |  | GROUNDWATER                         |  | No preservation   |  | GCC GW Baseline                     |  |  |  |  |  |  |  |  |  |
|                                                                                      |  |                                                            |  |                  |  | SURFACE WATER                       |  | Nitric Acid       |  | GCC SW Baseline                     |  |  |  |  |  |  |  |  |  |
|                                                                                      |  |                                                            |  |                  |  | WASTEWATER                          |  | Hydrochloric Acid |  | GCC S&S Baseline                    |  |  |  |  |  |  |  |  |  |
|                                                                                      |  |                                                            |  |                  |  | PRODUCED WATER                      |  | Sulfuric Acid     |  |                                     |  |  |  |  |  |  |  |  |  |
|                                                                                      |  |                                                            |  |                  |  | DRINKING WATER                      |  | Sodium Hydroxide  |  |                                     |  |  |  |  |  |  |  |  |  |
|                                                                                      |  |                                                            |  |                  |  | SOIL                                |  | OTHER:            |  |                                     |  |  |  |  |  |  |  |  |  |
|                                                                                      |  |                                                            |  |                  |  | OTHER:                              |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
| 1) MW-98                                                                             |  | 5-14-25                                                    |  | 13:40            |  | <input checked="" type="checkbox"/> |  | 3                 |  | <input checked="" type="checkbox"/> |  |  |  |  |  |  |  |  |  |
| 2)                                                                                   |  |                                                            |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
| 3)                                                                                   |  |                                                            |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
| 4)                                                                                   |  |                                                            |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
| 5)                                                                                   |  |                                                            |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
| 6)                                                                                   |  |                                                            |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
| 7)                                                                                   |  |                                                            |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
| 8)                                                                                   |  |                                                            |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
| 9)                                                                                   |  |                                                            |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |
| 10)                                                                                  |  |                                                            |  |                  |  |                                     |  |                   |  |                                     |  |  |  |  |  |  |  |  |  |

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion of the applicable service. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature] Date: 5-15-25 Received By: [Signature] Date: 5-15-25

Relinquished By: [Signature] Date: 4-1-23 Received By: [Signature] Date: 4-1-23

Relinquished By: [Signature] Date: [ ] Received By: [Signature] Date: [ ]

Temperature at receipt: 41.3 °C Checked by: [Signature] On Ice? [ ] Therm. used: [ ]

ADDITIONAL REMARKS:

† GAL cannot accept verbal changes. Please email changes to receiving@greenanalytical.com  
\* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.





Date/Initials of person examining contents: COV  
Labeled by initials: \_\_\_\_\_  
(if different than above)

## SAMPLE CONDITION RECEIPT FORM

Client Name: GCC EnergyWork Order # 2505-241Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ OtherCustody Seals on Box/Cooler Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: \_\_\_\_\_Thermometer Used: #2 Samples on ice, cooling process has begun: ☒ Yes ☐ NoType of Ice: ☒ Wet ☐ Blue ☐ None Cooler Temp: Observed Temp: 4.1 °C Correction Factor: -1.9 °C Final Temp: 2.2 °C  
\*Temp should be above freezing 6°CCompliance: ☐ Yes ☒ No

|                                                                                     |                                                                                                  |                 |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------|
| Chain of Custody Filled Out:                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 1.              |
| COC Signed when Relinquished and Received:                                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 2.              |
| Sampler Name and Signature on COC:<br>*Required for compliance                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 3.              |
| Samples arrived within hold time:                                                   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 4.              |
| Correct Containers Used & Intact:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5.              |
| Short Hold Time Analysis (<72hr):                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 6. <u>pH</u>    |
| Rush Turn Around Time Requested:                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 7.              |
| Sufficient Volume:                                                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 8.              |
| pH's acceptable upon receipt, where applicable:<br>*Not including metals bottles    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9.              |
| Dissolved Testing Needed:                                                           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 10. <u>0.99</u> |
| Field Filtered: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                  |                 |
| Sample Labels match COC:<br>-Includes Date/Time/ID                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 11.             |
| Matrix:                                                                             | <input checked="" type="checkbox"/> WT <input type="checkbox"/> SL <input type="checkbox"/> OT   |                 |
| Trip Blank Present:                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            | 12.             |
| Trip Blank Custody Seals Present:                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            |                 |
| VOA's meet headspace requirement (<6mm bubbles)                                     | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            |                 |
| Non-Conformance(s):                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 13.             |

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
jeremy.allen@greenanalytical.com

02 June 2025

Michael Dickson  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: [none]

Enclosed are the results of analyses for samples received by the laboratory on 05/15/25 14:25. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, reading 'Jeremy D. Allen', is displayed on a light blue rectangular background.

Report Station For Jeremy D Allen  
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

# Table of Contents

|                                |    |
|--------------------------------|----|
| Samples in Report              | 3  |
| Sample Results                 | 4  |
| 2505242-01: MW-3-C             | 4  |
| 2505242-02: MW-3-A             | 6  |
| 2505242-03: MW-3-MI            | 8  |
| Quality Assurance Results      | 10 |
| Notes and Definitions          | 19 |
| Qualifier Summary              | 20 |
| Chain of Custody & Attachments | 22 |



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| MW-3-C    | 2505242-01    | Water  | 05/14/25 15:48 | 05/15/25 14:25 |       |
| MW-3-A    | 2505242-02    | Water  | 05/14/25 15:18 | 05/15/25 14:25 |       |
| MW-3-MI   | 2505242-03    | Water  | 05/14/25 14:56 | 05/15/25 14:25 |       |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### MW-3-C

**2505242-01 (Ground Water)**

**Sampled Date: 05/14/25 15:48**

**Sampled By: Brandon Waddell**

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

#### General Chemistry

|                                                |        |       |       |           |    |                |                       |  |     |
|------------------------------------------------|--------|-------|-------|-----------|----|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 2130   | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 360    | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 1770   | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Cation/Anion Balance                           | -0.140 | -100  | -100  | %         | 1  | 05/29/25 17:27 | Calculation           |  | JDA |
| Chloride*                                      | 593    | 10.0  | 4.97  | mg/L      | 10 | 05/28/25 21:11 | EPA 300.0             |  | AWG |
| Fluoride*                                      | 3.16   | 1.00  | 0.336 | mg/L      | 10 | 05/28/25 21:11 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007 | mg/L as N | 1  | 05/20/25 15:48 | EPA 353.2             |  | HIC |
| pH*                                            | 8.21   |       |       | pH Units  | 1  | 05/16/25 10:49 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 23.1   |       |       | pH Units  | 1  | 05/16/25 10:49 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | <10.0  | 10.0  | 5.63  | mg/L      | 10 | 05/28/25 21:11 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 3350   | 10.0  |       | mg/L      | 1  | 05/21/25 14:44 | EPA 160.1/SM<br>2540C |  | HIC |
| Total Organic Carbon*                          | 15.1   | 0.500 | 0.220 | mg/L      | 1  | 05/22/25 23:33 | 5310C                 |  | AES |

#### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178 | mg/L | 5 | 05/27/25 12:46 | EPA 200.7   |  | AWG |
| Calcium*                      | 4.46   | 0.500 | 0.362 | mg/L | 5 | 05/27/25 12:46 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 19.9   | 3.31  | 2.54  | mg/L | 5 | 05/27/25 12:46 | 2340 B      |  | AWG |
| Iron*                         | 0.333  | 0.250 | 0.173 | mg/L | 5 | 05/27/25 12:46 | EPA 200.7   |  | AWG |
| Magnesium*                    | 2.13   | 0.500 | 0.397 | mg/L | 5 | 05/27/25 12:46 | EPA 200.7   |  | AWG |
| Potassium*                    | <5.00  | 5.00  | 0.906 | mg/L | 5 | 05/27/25 12:46 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 8.57   | 5.35  | 0.104 | mg/L | 5 | 05/27/25 12:46 | Calculation |  | AWG |
| Silicon                       | 4.01   | 2.50  | 0.049 | mg/L | 5 | 05/27/25 12:46 | EPA 200.7   |  | AWG |
| Sodium*                       | 1340   | 5.00  | 3.78  | mg/L | 5 | 05/27/25 12:46 | EPA 200.7   |  | AWG |

#### Dissolved Metals by ICPMS

|             |         |        |        |      |   |                |           |  |     |
|-------------|---------|--------|--------|------|---|----------------|-----------|--|-----|
| Arsenic*    | 0.0210  | 0.0050 | 0.0020 | mg/L | 5 | 05/20/25 17:59 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0025 | 0.0025 | 0.0002 | mg/L | 5 | 05/20/25 17:59 | EPA 200.8 |  | AES |
| Copper*     | 0.0540  | 0.0050 | 0.0036 | mg/L | 5 | 05/20/25 17:59 | EPA 200.8 |  | AES |
| Lead*       | <0.0025 | 0.0025 | 0.0006 | mg/L | 5 | 05/20/25 17:59 | EPA 200.8 |  | AES |
| Manganese*  | <0.0025 | 0.0025 | 0.0009 | mg/L | 5 | 05/20/25 17:59 | EPA 200.8 |  | AES |
| Molybdenum* | 0.0037  | 0.0025 | 0.0002 | mg/L | 5 | 05/20/25 17:59 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### MW-3-C

**2505242-01 (Ground Water)**

**Sampled Date: 05/14/25 15:48**

**Sampled By: Brandon Waddell**

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

#### **Dissolved Metals by ICPMS**

|                  |               |        |        |      |   |                |           |    |     |
|------------------|---------------|--------|--------|------|---|----------------|-----------|----|-----|
| <b>Selenium*</b> | <b>0.0475</b> | 0.0125 | 0.0019 | mg/L | 5 | 05/20/25 17:59 | EPA 200.8 | B3 | AES |
| <b>Uranium</b>   | <0.0025       | 0.0025 | 0.0001 | mg/L | 5 | 05/20/25 17:59 | EPA 200.8 |    | AES |
| <b>Zinc*</b>     | <b>0.0256</b> | 0.0100 | 0.0024 | mg/L | 5 | 05/20/25 17:59 | EPA 200.8 |    | AES |

#### **Dissolved Mercury by CVAFS**

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/22/25 16:05 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### MW-3-A

**2505242-02 (Ground Water)**

**Sampled Date: 05/14/25 15:18**

**Sampled By: Brandon Waddell**

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

#### General Chemistry

|                                                |        |       |       |           |    |                |                       |  |     |
|------------------------------------------------|--------|-------|-------|-----------|----|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 510    | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 180    | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 330    | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Cation/Anion Balance                           | -0.140 | -100  | -100  | %         | 1  | 05/29/25 17:27 | Calculation           |  | JDA |
| Chloride*                                      | 20.6   | 5.00  | 2.49  | mg/L      | 5  | 05/28/25 22:24 | EPA 300.0             |  | AWG |
| Fluoride*                                      | <0.500 | 0.500 | 0.168 | mg/L      | 5  | 05/28/25 22:24 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007 | mg/L as N | 1  | 05/20/25 15:50 | EPA 353.2             |  | HIC |
| pH*                                            | 8.48   |       |       | pH Units  | 1  | 05/16/25 10:49 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 22.5   |       |       | pH Units  | 1  | 05/16/25 10:49 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | 441    | 5.00  | 2.81  | mg/L      | 5  | 05/28/25 22:24 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 1260   | 10.0  |       | mg/L      | 1  | 05/21/25 14:46 | EPA 160.1/SM<br>2540C |  | HIC |
| Total Organic Carbon*                          | 2.86   | 0.500 | 0.220 | mg/L      | 1  | 05/22/25 23:52 | 5310C                 |  | AES |

#### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178 | mg/L | 5 | 05/27/25 12:50 | EPA 200.7   |  | AWG |
| Calcium*                      | 2.00   | 0.500 | 0.362 | mg/L | 5 | 05/27/25 12:50 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 7.70   | 3.31  | 2.54  | mg/L | 5 | 05/27/25 12:50 | 2340 B      |  | AWG |
| Iron*                         | <0.250 | 0.250 | 0.173 | mg/L | 5 | 05/27/25 12:50 | EPA 200.7   |  | AWG |
| Magnesium*                    | 0.655  | 0.500 | 0.397 | mg/L | 5 | 05/27/25 12:50 | EPA 200.7   |  | AWG |
| Potassium*                    | <5.00  | 5.00  | 0.906 | mg/L | 5 | 05/27/25 12:50 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 10.4   | 5.35  | 0.104 | mg/L | 5 | 05/27/25 12:50 | Calculation |  | AWG |
| Silicon                       | 4.87   | 2.50  | 0.049 | mg/L | 5 | 05/27/25 12:50 | EPA 200.7   |  | AWG |
| Sodium*                       | 438    | 5.00  | 3.78  | mg/L | 5 | 05/27/25 12:50 | EPA 200.7   |  | AWG |

#### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |           |  |     |
|-------------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Arsenic*    | <0.0020 | 0.0020 | 0.0008  | mg/L | 2 | 05/20/25 18:00 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 05/20/25 18:00 | EPA 200.8 |  | AES |
| Copper*     | 0.0135  | 0.0020 | 0.0015  | mg/L | 2 | 05/20/25 18:00 | EPA 200.8 |  | AES |
| Lead*       | <0.0010 | 0.0010 | 0.0002  | mg/L | 2 | 05/20/25 18:00 | EPA 200.8 |  | AES |
| Manganese*  | 0.0069  | 0.0010 | 0.0004  | mg/L | 2 | 05/20/25 18:00 | EPA 200.8 |  | AES |
| Molybdenum* | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 05/20/25 18:00 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### MW-3-A

**2505242-02 (Ground Water)**

**Sampled Date: 05/14/25 15:18**

**Sampled By: Brandon Waddell**

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

#### **Dissolved Metals by ICPMS**

|                  |               |        |         |      |   |                |           |    |     |
|------------------|---------------|--------|---------|------|---|----------------|-----------|----|-----|
| <b>Selenium*</b> | <b>0.0350</b> | 0.0050 | 0.0007  | mg/L | 2 | 05/20/25 18:00 | EPA 200.8 | B3 | AES |
| <b>Uranium</b>   | <0.0010       | 0.0010 | 0.00005 | mg/L | 2 | 05/20/25 18:00 | EPA 200.8 |    | AES |
| <b>Zinc*</b>     | <b>0.0092</b> | 0.0040 | 0.0010  | mg/L | 2 | 05/20/25 18:00 | EPA 200.8 |    | AES |

#### **Dissolved Mercury by CVAFS**

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/22/25 16:08 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### MW-3-MI

**2505242-03 (Ground Water)**

**Sampled Date: 05/14/25 14:56**

**Sampled By: Brandon Waddell**

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

#### General Chemistry

|                                                |        |       |       |           |    |                |                       |  |     |
|------------------------------------------------|--------|-------|-------|-----------|----|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 650    | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 200    | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 450    | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Cation/Anion Balance                           | 0.460  | -100  | -100  | %         | 1  | 05/29/25 17:27 | Calculation           |  | JDA |
| Chloride*                                      | 10.3   | 5.00  | 2.49  | mg/L      | 5  | 05/28/25 22:49 | EPA 300.0             |  | AWG |
| Fluoride*                                      | 1.04   | 0.500 | 0.168 | mg/L      | 5  | 05/28/25 22:49 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007 | mg/L as N | 1  | 05/20/25 15:51 | EPA 353.2             |  | HIC |
| pH*                                            | 8.78   |       |       | pH Units  | 1  | 05/16/25 10:49 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 22.4   |       |       | pH Units  | 1  | 05/16/25 10:49 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | 239    | 5.00  | 2.81  | mg/L      | 5  | 05/28/25 22:49 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 1110   | 10.0  |       | mg/L      | 1  | 05/21/25 14:48 | EPA 160.1/SM<br>2540C |  | HIC |
| Total Organic Carbon*                          | 3.86   | 0.500 | 0.220 | mg/L      | 1  | 05/23/25 00:11 | 5310C                 |  | AES |

#### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178 | mg/L | 5 | 05/27/25 12:51 | EPA 200.7   |  | AWG |
| Calcium*                      | 1.20   | 0.500 | 0.362 | mg/L | 5 | 05/27/25 12:51 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 5.08   | 3.31  | 2.54  | mg/L | 5 | 05/27/25 12:51 | 2340 B      |  | AWG |
| Iron*                         | <0.250 | 0.250 | 0.173 | mg/L | 5 | 05/27/25 12:51 | EPA 200.7   |  | AWG |
| Magnesium*                    | 0.504  | 0.500 | 0.397 | mg/L | 5 | 05/27/25 12:51 | EPA 200.7   |  | AWG |
| Potassium*                    | <5.00  | 5.00  | 0.906 | mg/L | 5 | 05/27/25 12:51 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 9.21   | 5.35  | 0.104 | mg/L | 5 | 05/27/25 12:51 | Calculation |  | AWG |
| Silicon                       | 4.30   | 2.50  | 0.049 | mg/L | 5 | 05/27/25 12:51 | EPA 200.7   |  | AWG |
| Sodium*                       | 408    | 5.00  | 3.78  | mg/L | 5 | 05/27/25 12:51 | EPA 200.7   |  | AWG |

#### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |           |  |     |
|-------------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Arsenic*    | 0.0036  | 0.0020 | 0.0008  | mg/L | 2 | 05/20/25 18:05 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 05/20/25 18:05 | EPA 200.8 |  | AES |
| Copper*     | 0.0135  | 0.0020 | 0.0015  | mg/L | 2 | 05/20/25 18:05 | EPA 200.8 |  | AES |
| Lead*       | <0.0010 | 0.0010 | 0.0002  | mg/L | 2 | 05/20/25 18:05 | EPA 200.8 |  | AES |
| Manganese*  | 0.0062  | 0.0010 | 0.0004  | mg/L | 2 | 05/20/25 18:05 | EPA 200.8 |  | AES |
| Molybdenum* | 0.0109  | 0.0010 | 0.00009 | mg/L | 2 | 05/20/25 18:05 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### MW-3-MI

**2505242-03 (Ground Water)**

**Sampled Date: 05/14/25 14:56**

**Sampled By: Brandon Waddell**

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

#### **Dissolved Metals by ICPMS**

|                  |               |        |         |      |   |                |           |  |     |
|------------------|---------------|--------|---------|------|---|----------------|-----------|--|-----|
| <b>Selenium*</b> | <b>0.0111</b> | 0.0020 | 0.0007  | mg/L | 2 | 05/20/25 18:05 | EPA 200.8 |  | AES |
| <b>Uranium</b>   | <b>0.0018</b> | 0.0010 | 0.00005 | mg/L | 2 | 05/20/25 18:05 | EPA 200.8 |  | AES |
| <b>Zinc*</b>     | <b>0.0106</b> | 0.0040 | 0.0010  | mg/L | 2 | 05/20/25 18:05 | EPA 200.8 |  | AES |

#### **Dissolved Mercury by CVAFS**

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/28/25 16:03 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### General Chemistry - Quality Control

| Analyte                                        | Result | Reporting Limit               | Units     | Spike Level                   | Source Result | %REC | %REC Limits  | RPD   | RPD Limit | Notes |
|------------------------------------------------|--------|-------------------------------|-----------|-------------------------------|---------------|------|--------------|-------|-----------|-------|
| <b>Batch B251344 - General Prep - Wet Chem</b> |        |                               |           |                               |               |      |              |       |           |       |
| <b>Duplicate (B251344-DUP1)</b>                |        | <b>Source: 2505201-01</b>     |           | Prepared & Analyzed: 05/16/25 |               |      |              |       |           |       |
| pH                                             | 7.79   |                               | pH Units  |                               | 7.78          |      |              | 0.128 | 20        |       |
| pH Temperature, degrees C                      | 21.9   |                               | pH Units  |                               | 21.8          |      |              | 0.458 | 200       |       |
| <b>Duplicate (B251344-DUP2)</b>                |        | <b>Source: 2505201-02</b>     |           | Prepared & Analyzed: 05/16/25 |               |      |              |       |           |       |
| pH                                             | 7.94   |                               | pH Units  |                               | 7.90          |      |              | 0.505 | 20        |       |
| pH Temperature, degrees C                      | 20.5   |                               | pH Units  |                               | 21.0          |      |              | 2.41  | 200       |       |
| <b>Reference (B251344-SRM1)</b>                |        | Prepared & Analyzed: 05/16/25 |           |                               |               |      |              |       |           |       |
| pH                                             | 6.96   |                               | pH Units  | 7.00                          |               | 99.4 | 98.57-101.42 |       |           |       |
| <b>Batch B251352 - Lachat</b>                  |        |                               |           |                               |               |      |              |       |           |       |
| <b>Blank (B251352-BLK1)</b>                    |        | Prepared & Analyzed: 05/20/25 |           |                               |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | ND     | 0.020                         | mg/L as N |                               |               |      |              |       |           |       |
| <b>LCS (B251352-BS1)</b>                       |        | Prepared & Analyzed: 05/20/25 |           |                               |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.03   | 0.020                         | mg/L as N | 1.00                          |               | 103  | 90-110       |       |           |       |
| <b>LCS Dup (B251352-BSD1)</b>                  |        | Prepared & Analyzed: 05/20/25 |           |                               |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.03   | 0.020                         | mg/L as N | 1.00                          |               | 103  | 90-110       | 0.291 | 20        |       |
| <b>Matrix Spike (B251352-MS1)</b>              |        | <b>Source: 2505209-17</b>     |           | Prepared & Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.04   | 0.020                         | mg/L as N | 1.00                          | ND            | 104  | 90-110       |       |           |       |
| <b>Matrix Spike (B251352-MS2)</b>              |        | <b>Source: 2505238-01</b>     |           | Prepared & Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.06   | 0.020                         | mg/L as N | 1.00                          | 0.084         | 97.1 | 90-110       |       |           |       |
| <b>Matrix Spike Dup (B251352-MSD1)</b>         |        | <b>Source: 2505209-17</b>     |           | Prepared & Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.04   | 0.020                         | mg/L as N | 1.00                          | ND            | 104  | 90-110       | 0.193 | 20        |       |
| <b>Matrix Spike Dup (B251352-MSD2)</b>         |        | <b>Source: 2505238-01</b>     |           | Prepared & Analyzed: 05/20/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.06   | 0.020                         | mg/L as N | 1.00                          | 0.084         | 97.7 | 90-110       | 0.567 | 20        |       |
| <b>Batch B251375 - General Prep - Wet Chem</b> |        |                               |           |                               |               |      |              |       |           |       |
| <b>Blank (B251375-BLK1)</b>                    |        | Prepared & Analyzed: 05/21/25 |           |                               |               |      |              |       |           |       |
| Total Dissolved Solids                         | ND     | 10.0                          | mg/L      |                               |               |      |              |       |           |       |
| <b>Duplicate (B251375-DUP1)</b>                |        | <b>Source: 2505240-01</b>     |           | Prepared & Analyzed: 05/21/25 |               |      |              |       |           |       |
| Total Dissolved Solids                         | 455    | 10.0                          | mg/L      |                               | 445           |      |              | 2.23  | 20        |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251375 - General Prep - Wet Chem (Continued)

##### Reference (B251375-SRM1)

Prepared & Analyzed: 05/21/25

|                        |     |      |      |     |     |        |
|------------------------|-----|------|------|-----|-----|--------|
| Total Dissolved Solids | 410 | 10.0 | mg/L | 400 | 102 | 85-115 |
|------------------------|-----|------|------|-----|-----|--------|

#### Batch B251390 - General Prep - Wet Chem

##### Blank (B251390-BLK1)

Prepared & Analyzed: 05/22/25

|                      |    |       |      |
|----------------------|----|-------|------|
| Total Organic Carbon | ND | 0.500 | mg/L |
|----------------------|----|-------|------|

##### LCS (B251390-BS1)

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |        |
|----------------------|------|-------|------|------|------|--------|
| Total Organic Carbon | 9.62 | 0.500 | mg/L | 10.0 | 96.2 | 85-115 |
|----------------------|------|-------|------|------|------|--------|

##### LCS Dup (B251390-BSD1)

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |        |       |    |
|----------------------|------|-------|------|------|------|--------|-------|----|
| Total Organic Carbon | 9.61 | 0.500 | mg/L | 10.0 | 96.1 | 85-115 | 0.104 | 20 |
|----------------------|------|-------|------|------|------|--------|-------|----|

##### Matrix Spike (B251390-MS1)

Source: 2505198-02

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |      |        |
|----------------------|------|-------|------|------|------|------|--------|
| Total Organic Carbon | 11.5 | 0.500 | mg/L | 10.0 | 1.91 | 95.5 | 80-120 |
|----------------------|------|-------|------|------|------|------|--------|

##### Matrix Spike (B251390-MS2)

Source: 2505198-03

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |      |        |
|----------------------|------|-------|------|------|------|------|--------|
| Total Organic Carbon | 11.6 | 0.500 | mg/L | 10.0 | 1.95 | 96.4 | 80-120 |
|----------------------|------|-------|------|------|------|------|--------|

##### Matrix Spike Dup (B251390-MSD1)

Source: 2505198-02

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |      |        |       |    |
|----------------------|------|-------|------|------|------|------|--------|-------|----|
| Total Organic Carbon | 11.4 | 0.500 | mg/L | 10.0 | 1.91 | 94.4 | 80-120 | 0.964 | 20 |
|----------------------|------|-------|------|------|------|------|--------|-------|----|

##### Matrix Spike Dup (B251390-MSD2)

Source: 2505198-03

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |      |        |      |    |
|----------------------|------|-------|------|------|------|------|--------|------|----|
| Total Organic Carbon | 11.5 | 0.500 | mg/L | 10.0 | 1.95 | 95.1 | 80-120 | 1.13 | 20 |
|----------------------|------|-------|------|------|------|------|--------|------|----|

#### Batch B251408 - IC- Ion Chromatograph

##### Blank (B251408-BLK1)

Prepared: 05/27/25 Analyzed: 05/28/25

|          |    |       |      |
|----------|----|-------|------|
| Chloride | ND | 1.00  | mg/L |
| Fluoride | ND | 0.100 | mg/L |
| Sulfate  | ND | 1.00  | mg/L |

##### LCS (B251408-BS1)

Prepared: 05/27/25 Analyzed: 05/30/25

|          |      |       |      |      |      |        |
|----------|------|-------|------|------|------|--------|
| Chloride | 24.3 | 1.00  | mg/L | 25.0 | 97.1 | 90-110 |
| Fluoride | 2.51 | 0.100 | mg/L | 2.50 | 100  | 90-110 |
| Sulfate  | 24.2 | 1.00  | mg/L | 25.0 | 96.7 | 90-110 |

##### LCS Dup (B251408-BSD1)

Prepared: 05/27/25 Analyzed: 05/28/25

|          |      |       |      |      |      |        |      |    |
|----------|------|-------|------|------|------|--------|------|----|
| Chloride | 22.8 | 1.00  | mg/L | 25.0 | 91.0 | 90-110 | 6.44 | 20 |
| Fluoride | 2.36 | 0.100 | mg/L | 2.50 | 94.3 | 90-110 | 6.37 | 20 |
| Sulfate  | 22.5 | 1.00  | mg/L | 25.0 | 90.2 | 90-110 | 6.95 | 20 |

##### Matrix Spike (B251408-MS1)

Source: 2505248-01

Prepared: 05/27/25 Analyzed: 05/29/25

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251408 - IC- Ion Chromatograph (Continued)

##### Matrix Spike (B251408-MS1) (Continued)

Source: 2505248-01 Prepared: 05/27/25 Analyzed: 05/29/25

|          |      |       |      |      |      |      |        |  |  |    |
|----------|------|-------|------|------|------|------|--------|--|--|----|
| Chloride | 85.8 | 5.00  | mg/L | 25.0 | 63.7 | 88.6 | 85-115 |  |  |    |
| Fluoride | 5.37 | 0.500 | mg/L | 2.50 | 3.23 | 85.6 | 85-115 |  |  |    |
| Sulfate  | 60.0 | 5.00  | mg/L | 25.0 | 39.3 | 82.6 | 85-115 |  |  | M2 |

##### Matrix Spike (B251408-MS2)

Source: 2505252-01 Prepared: 05/27/25 Analyzed: 05/29/25

|          |      |       |      |      |       |      |        |  |  |    |
|----------|------|-------|------|------|-------|------|--------|--|--|----|
| Chloride | 64.4 | 5.00  | mg/L | 25.0 | 43.8  | 82.3 | 85-115 |  |  | M2 |
| Fluoride | 2.82 | 0.500 | mg/L | 2.50 | 0.775 | 81.6 | 85-115 |  |  | M2 |
| Sulfate  | 401  | 5.00  | mg/L | 25.0 | 384   | 67.6 | 85-115 |  |  | M2 |

##### Matrix Spike Dup (B251408-MSD1)

Source: 2505248-01 Prepared: 05/27/25 Analyzed: 05/29/25

|          |      |       |      |      |      |      |        |       |    |    |
|----------|------|-------|------|------|------|------|--------|-------|----|----|
| Chloride | 86.1 | 5.00  | mg/L | 25.0 | 63.7 | 89.5 | 85-115 | 0.273 | 20 |    |
| Fluoride | 5.41 | 0.500 | mg/L | 2.50 | 3.23 | 87.0 | 85-115 | 0.650 | 20 |    |
| Sulfate  | 60.2 | 5.00  | mg/L | 25.0 | 39.3 | 83.7 | 85-115 | 0.466 | 20 | M2 |

##### Matrix Spike Dup (B251408-MSD2)

Source: 2505252-01 Prepared: 05/27/25 Analyzed: 05/29/25

|          |      |       |      |      |       |      |        |       |    |    |
|----------|------|-------|------|------|-------|------|--------|-------|----|----|
| Chloride | 64.3 | 5.00  | mg/L | 25.0 | 43.8  | 81.8 | 85-115 | 0.202 | 20 | M2 |
| Fluoride | 2.84 | 0.500 | mg/L | 2.50 | 0.775 | 82.6 | 85-115 | 0.884 | 20 | M2 |
| Sulfate  | 397  | 5.00  | mg/L | 25.0 | 384   | 54.0 | 85-115 | 0.857 | 20 | M2 |

#### Batch B251426 - General Prep - Wet Chem

##### Blank (B251426-BLK1)

Prepared: 05/27/25 Analyzed: 05/28/25

|                                              |    |      |      |  |  |  |  |  |  |  |
|----------------------------------------------|----|------|------|--|--|--|--|--|--|--|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | ND | 10.0 | mg/L |  |  |  |  |  |  |  |

##### LCS (B251426-BS1)

Prepared: 05/27/25 Analyzed: 05/28/25

|                                        |      |      |      |     |  |      |        |  |  |  |
|----------------------------------------|------|------|------|-----|--|------|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 95.0 | 10.0 | mg/L | 100 |  | 95.0 | 85-115 |  |  |  |
|----------------------------------------|------|------|------|-----|--|------|--------|--|--|--|

##### LCS Dup (B251426-BSD1)

Prepared: 05/27/25 Analyzed: 05/28/25

|                                        |      |      |      |     |  |      |        |      |    |  |
|----------------------------------------|------|------|------|-----|--|------|--------|------|----|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 97.0 | 10.0 | mg/L | 100 |  | 97.0 | 85-115 | 2.08 | 20 |  |
|----------------------------------------|------|------|------|-----|--|------|--------|------|----|--|

##### Matrix Spike (B251426-MS1)

Source: 2505252-01 Prepared: 05/27/25 Analyzed: 05/28/25

|                                        |     |      |      |     |     |     |        |  |  |    |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|--|--|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 252 | 10.0 | mg/L | 100 | 128 | 124 | 80-120 |  |  | M1 |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|--|--|----|

##### Matrix Spike (B251426-MS2)

Source: 2505293-01 Prepared: 05/27/25 Analyzed: 05/28/25

|                                        |      |      |      |     |    |      |        |  |  |    |
|----------------------------------------|------|------|------|-----|----|------|--------|--|--|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 28.0 | 10.0 | mg/L | 100 | ND | 28.0 | 80-120 |  |  | M2 |
|----------------------------------------|------|------|------|-----|----|------|--------|--|--|----|

##### Matrix Spike Dup (B251426-MSD1)

Source: 2505252-01 Prepared: 05/27/25 Analyzed: 05/28/25

|                                        |     |      |      |     |     |     |        |      |    |    |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|------|----|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 269 | 10.0 | mg/L | 100 | 128 | 141 | 80-120 | 6.53 | 20 | M1 |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|------|----|----|

##### Matrix Spike Dup (B251426-MSD2)

Source: 2505293-01 Prepared: 05/27/25 Analyzed: 05/28/25

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251426 - General Prep - Wet Chem (Continued)

##### Matrix Spike Dup (B251426-MSD2) (Continued)

Source: 2505293-01

Prepared: 05/27/25 Analyzed: 05/28/25

|                                        |      |      |      |     |    |      |        |      |    |    |
|----------------------------------------|------|------|------|-----|----|------|--------|------|----|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 27.0 | 10.0 | mg/L | 100 | ND | 27.0 | 80-120 | 3.64 | 20 | M2 |
|----------------------------------------|------|------|------|-----|----|------|--------|------|----|----|

##### Reference (B251426-SRM1)

Prepared: 05/27/25 Analyzed: 05/28/25

|                                        |      |      |      |     |  |      |        |  |  |  |
|----------------------------------------|------|------|------|-----|--|------|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 99.0 | 10.0 | mg/L | 100 |  | 99.0 | 85-115 |  |  |  |
|----------------------------------------|------|------|------|-----|--|------|--------|--|--|--|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251358 - Dissolved ICP

##### Blank (B251358-BLK1)

Prepared: 05/23/25 Analyzed: 05/27/25

|           |    |       |      |  |  |  |  |  |  |  |
|-----------|----|-------|------|--|--|--|--|--|--|--|
| Aluminum  | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Calcium   | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Iron      | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Magnesium | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Potassium | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Silicon   | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
| Sodium    | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251358-BS1)

Prepared: 05/20/25 Analyzed: 05/27/25

|           |      |       |      |      |  |      |        |  |  |  |
|-----------|------|-------|------|------|--|------|--------|--|--|--|
| Aluminum  | 3.84 | 0.050 | mg/L | 4.00 |  | 96.1 | 85-115 |  |  |  |
| Calcium   | 3.91 | 0.100 | mg/L | 4.00 |  | 97.7 | 85-115 |  |  |  |
| Iron      | 3.91 | 0.050 | mg/L | 4.00 |  | 97.8 | 85-115 |  |  |  |
| Magnesium | 20.2 | 0.100 | mg/L | 20.0 |  | 101  | 85-115 |  |  |  |
| Potassium | 7.92 | 1.00  | mg/L | 8.00 |  | 99.0 | 85-115 |  |  |  |
| Silicon   | 4.14 | 0.500 | mg/L | 4.00 |  | 103  | 85-115 |  |  |  |
| Sodium    | 3.12 | 1.00  | mg/L | 3.24 |  | 96.3 | 85-115 |  |  |  |

##### LCS Dup (B251358-BS1)

Prepared: 05/20/25 Analyzed: 05/27/25

|           |      |       |      |      |  |      |        |       |    |  |
|-----------|------|-------|------|------|--|------|--------|-------|----|--|
| Aluminum  | 3.79 | 0.050 | mg/L | 4.00 |  | 94.8 | 85-115 | 1.38  | 20 |  |
| Calcium   | 3.86 | 0.100 | mg/L | 4.00 |  | 96.5 | 85-115 | 1.24  | 20 |  |
| Iron      | 3.87 | 0.050 | mg/L | 4.00 |  | 96.7 | 85-115 | 1.13  | 20 |  |
| Magnesium | 20.0 | 0.100 | mg/L | 20.0 |  | 100  | 85-115 | 1.08  | 20 |  |
| Potassium | 7.89 | 1.00  | mg/L | 8.00 |  | 98.7 | 85-115 | 0.358 | 20 |  |
| Silicon   | 4.10 | 0.500 | mg/L | 4.00 |  | 102  | 85-115 | 1.01  | 20 |  |
| Sodium    | 3.05 | 1.00  | mg/L | 3.24 |  | 94.1 | 85-115 | 2.33  | 20 |  |

##### Matrix Spike (B251358-MS1)

Source: 2505209-17 Prepared: 05/23/25 Analyzed: 05/27/25

|           |      |       |      |      |       |      |        |  |  |    |
|-----------|------|-------|------|------|-------|------|--------|--|--|----|
| Aluminum  | 4.15 | 0.050 | mg/L | 4.00 | ND    | 104  | 70-130 |  |  |    |
| Calcium   | 46.6 | 0.100 | mg/L | 4.00 | 45.0  | 38.8 | 70-130 |  |  | M3 |
| Iron      | 4.21 | 0.050 | mg/L | 4.00 | ND    | 105  | 70-130 |  |  |    |
| Magnesium | 26.4 | 0.100 | mg/L | 20.0 | 5.79  | 103  | 70-130 |  |  |    |
| Potassium | 9.03 | 1.00  | mg/L | 8.00 | 0.766 | 103  | 70-130 |  |  |    |
| Silicon   | 6.39 | 0.500 | mg/L | 4.00 | 2.28  | 103  | 70-130 |  |  |    |
| Sodium    | 5.78 | 1.00  | mg/L | 3.24 | 2.51  | 101  | 70-130 |  |  |    |

##### Matrix Spike (B251358-MS2)

Source: 2505240-01 Prepared: 05/23/25 Analyzed: 05/27/25

|           |      |       |      |      |      |      |        |  |  |    |
|-----------|------|-------|------|------|------|------|--------|--|--|----|
| Aluminum  | 3.98 | 0.250 | mg/L | 4.00 | ND   | 99.4 | 70-130 |  |  |    |
| Calcium   | 40.9 | 0.500 | mg/L | 4.00 | 38.2 | 67.5 | 70-130 |  |  | M3 |
| Iron      | 4.05 | 0.250 | mg/L | 4.00 | ND   | 101  | 70-130 |  |  |    |
| Magnesium | 44.0 | 0.500 | mg/L | 20.0 | 25.4 | 93.1 | 70-130 |  |  |    |
| Potassium | 10.7 | 5.00  | mg/L | 8.00 | 2.55 | 102  | 70-130 |  |  |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### Dissolved Metals by ICP - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251358 - Dissolved ICP (Continued)

##### Matrix Spike (B251358-MS2) (Continued)

Source: 2505240-01 Prepared: 05/23/25 Analyzed: 05/27/25

|         |      |      |      |      |      |      |        |  |  |    |
|---------|------|------|------|------|------|------|--------|--|--|----|
| Silicon | 11.7 | 2.50 | mg/L | 4.00 | 8.42 | 82.7 | 70-130 |  |  |    |
| Sodium  | 105  | 5.00 | mg/L | 3.24 | 105  | NR   | 70-130 |  |  | M3 |

##### Matrix Spike Dup (B251358-MSD1)

Source: 2505209-17 Prepared: 05/23/25 Analyzed: 05/27/25

|           |      |       |      |      |      |      |        |      |    |    |
|-----------|------|-------|------|------|------|------|--------|------|----|----|
| Aluminum  | 3.99 | 0.250 | mg/L | 4.00 | ND   | 99.8 | 70-130 | 3.88 | 20 |    |
| Calcium   | 45.6 | 0.500 | mg/L | 4.00 | 45.0 | 14.2 | 70-130 | 2.14 | 20 | M3 |
| Iron      | 4.05 | 0.250 | mg/L | 4.00 | ND   | 101  | 70-130 | 4.04 | 20 |    |
| Magnesium | 25.8 | 0.500 | mg/L | 20.0 | 5.79 | 100  | 70-130 | 2.33 | 20 |    |
| Potassium | 8.72 | 5.00  | mg/L | 8.00 | ND   | 109  | 70-130 | 3.50 | 20 |    |
| Silicon   | 6.17 | 2.50  | mg/L | 4.00 | 2.28 | 97.3 | 70-130 | 3.51 | 20 |    |
| Sodium    | 5.17 | 5.00  | mg/L | 3.24 | ND   | 160  | 70-130 | 11.1 | 20 | M3 |

##### Matrix Spike Dup (B251358-MSD2)

Source: 2505240-01 Prepared: 05/23/25 Analyzed: 05/27/25

|           |      |       |      |      |      |      |        |       |    |    |
|-----------|------|-------|------|------|------|------|--------|-------|----|----|
| Aluminum  | 3.79 | 0.500 | mg/L | 4.00 | ND   | 94.7 | 70-130 | 4.89  | 20 |    |
| Calcium   | 41.0 | 1.00  | mg/L | 4.00 | 38.2 | 69.3 | 70-130 | 0.171 | 20 | M3 |
| Iron      | 4.07 | 0.500 | mg/L | 4.00 | ND   | 102  | 70-130 | 0.491 | 20 |    |
| Magnesium | 44.0 | 1.00  | mg/L | 20.0 | 25.4 | 92.7 | 70-130 | 0.172 | 20 |    |
| Potassium | 10.8 | 10.0  | mg/L | 8.00 | 2.55 | 104  | 70-130 | 1.32  | 20 |    |
| Silicon   | 11.7 | 5.00  | mg/L | 4.00 | 8.42 | 82.0 | 70-130 | 0.244 | 20 |    |
| Sodium    | 101  | 10.0  | mg/L | 3.24 | 105  | NR   | 70-130 | 3.52  | 20 | M3 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251349 - Dissolved ICPMS

##### Blank (B251349-BLK1)

Prepared & Analyzed: 05/20/25

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0010 | mg/L |
| Cadmium    | ND | 0.0005 | mg/L |
| Copper     | ND | 0.0010 | mg/L |
| Lead       | ND | 0.0005 | mg/L |
| Manganese  | ND | 0.0005 | mg/L |
| Molybdenum | ND | 0.0005 | mg/L |
| Selenium   | ND | 0.0010 | mg/L |
| Uranium    | ND | 0.0005 | mg/L |
| Zinc       | ND | 0.0020 | mg/L |

##### LCS (B251349-BS1)

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |      |        |
|------------|--------|--------|------|--------|------|--------|
| Arsenic    | 0.0471 | 0.0010 | mg/L | 0.0500 | 94.2 | 85-115 |
| Cadmium    | 0.0489 | 0.0005 | mg/L | 0.0500 | 97.9 | 85-115 |
| Copper     | 0.0496 | 0.0010 | mg/L | 0.0500 | 99.2 | 85-115 |
| Lead       | 0.0487 | 0.0005 | mg/L | 0.0500 | 97.4 | 85-115 |
| Manganese  | 0.0506 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |
| Molybdenum | 0.0501 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 |
| Selenium   | 0.237  | 0.0010 | mg/L | 0.250  | 94.9 | 85-115 |
| Uranium    | 0.0495 | 0.0005 | mg/L | 0.0500 | 99.0 | 85-115 |
| Zinc       | 0.0504 | 0.0020 | mg/L | 0.0500 | 101  | 85-115 |

##### LCS Dup (B251349-BSD1)

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |      |        |       |    |
|------------|--------|--------|------|--------|------|--------|-------|----|
| Arsenic    | 0.0488 | 0.0010 | mg/L | 0.0500 | 97.5 | 85-115 | 3.48  | 20 |
| Cadmium    | 0.0492 | 0.0005 | mg/L | 0.0500 | 98.4 | 85-115 | 0.515 | 20 |
| Copper     | 0.0495 | 0.0010 | mg/L | 0.0500 | 99.0 | 85-115 | 0.210 | 20 |
| Lead       | 0.0491 | 0.0005 | mg/L | 0.0500 | 98.3 | 85-115 | 0.856 | 20 |
| Manganese  | 0.0502 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 | 0.962 | 20 |
| Molybdenum | 0.0500 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 | 0.173 | 20 |
| Selenium   | 0.241  | 0.0010 | mg/L | 0.250  | 96.4 | 85-115 | 1.61  | 20 |
| Uranium    | 0.0500 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 | 1.03  | 20 |
| Zinc       | 0.0509 | 0.0020 | mg/L | 0.0500 | 102  | 85-115 | 0.973 | 20 |

##### Matrix Spike (B251349-MS1)

Source: 2505209-03

Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |
|------------|--------|--------|------|--------|--------|------|--------|
| Arsenic    | 0.0528 | 0.0010 | mg/L | 0.0500 | ND     | 106  | 70-130 |
| Cadmium    | 0.0493 | 0.0005 | mg/L | 0.0500 | 0.0001 | 98.3 | 70-130 |
| Copper     | 0.0469 | 0.0010 | mg/L | 0.0500 | 0.0022 | 89.3 | 70-130 |
| Lead       | 0.0430 | 0.0005 | mg/L | 0.0500 | ND     | 85.7 | 70-130 |
| Manganese  | 0.124  | 0.0005 | mg/L | 0.0500 | 0.0814 | 84.9 | 70-130 |
| Molybdenum | 0.0510 | 0.0005 | mg/L | 0.0500 | 0.0004 | 101  | 70-130 |
| Selenium   | 0.274  | 0.0010 | mg/L | 0.250  | ND     | 110  | 70-130 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### Dissolved Metals by ICPMS - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251349 - Dissolved ICPMS (Continued)

##### Matrix Spike (B251349-MS1) (Continued)

Source: 2505209-03 Prepared & Analyzed: 05/20/25

|         |        |        |      |        |        |      |        |  |  |  |
|---------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Uranium | 0.0446 | 0.0005 | mg/L | 0.0500 | 0.0003 | 88.6 | 70-130 |  |  |  |
| Zinc    | 0.0825 | 0.0020 | mg/L | 0.0500 | 0.0342 | 96.6 | 70-130 |  |  |  |

##### Matrix Spike (B251349-MS2)

Source: 2505209-04 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |  |  |  |
|------------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Arsenic    | 0.0510 | 0.0010 | mg/L | 0.0500 | ND     | 102  | 70-130 |  |  |  |
| Cadmium    | 0.0486 | 0.0005 | mg/L | 0.0500 | 0.0002 | 96.9 | 70-130 |  |  |  |
| Copper     | 0.0473 | 0.0010 | mg/L | 0.0500 | 0.0033 | 87.9 | 70-130 |  |  |  |
| Lead       | 0.0481 | 0.0005 | mg/L | 0.0500 | 0.0014 | 93.4 | 70-130 |  |  |  |
| Manganese  | 0.130  | 0.0005 | mg/L | 0.0500 | 0.0878 | 84.9 | 70-130 |  |  |  |
| Molybdenum | 0.0495 | 0.0005 | mg/L | 0.0500 | 0.0004 | 98.3 | 70-130 |  |  |  |
| Selenium   | 0.265  | 0.0010 | mg/L | 0.250  | ND     | 106  | 70-130 |  |  |  |
| Uranium    | 0.0485 | 0.0005 | mg/L | 0.0500 | 0.0003 | 96.5 | 70-130 |  |  |  |
| Zinc       | 0.0897 | 0.0020 | mg/L | 0.0500 | 0.0412 | 97.0 | 70-130 |  |  |  |

##### Matrix Spike Dup (B251349-MSD1)

Source: 2505209-03 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |        |    |  |
|------------|--------|--------|------|--------|--------|------|--------|--------|----|--|
| Arsenic    | 0.0525 | 0.0010 | mg/L | 0.0500 | ND     | 105  | 70-130 | 0.554  | 20 |  |
| Cadmium    | 0.0493 | 0.0005 | mg/L | 0.0500 | 0.0001 | 98.4 | 70-130 | 0.0358 | 20 |  |
| Copper     | 0.0470 | 0.0010 | mg/L | 0.0500 | 0.0022 | 89.7 | 70-130 | 0.402  | 20 |  |
| Lead       | 0.0426 | 0.0005 | mg/L | 0.0500 | ND     | 84.9 | 70-130 | 0.956  | 20 |  |
| Manganese  | 0.126  | 0.0005 | mg/L | 0.0500 | 0.0814 | 89.1 | 70-130 | 1.68   | 20 |  |
| Molybdenum | 0.0509 | 0.0005 | mg/L | 0.0500 | 0.0004 | 101  | 70-130 | 0.236  | 20 |  |
| Selenium   | 0.270  | 0.0010 | mg/L | 0.250  | ND     | 108  | 70-130 | 1.41   | 20 |  |
| Uranium    | 0.0441 | 0.0005 | mg/L | 0.0500 | 0.0003 | 87.6 | 70-130 | 1.17   | 20 |  |
| Zinc       | 0.0834 | 0.0020 | mg/L | 0.0500 | 0.0342 | 98.6 | 70-130 | 1.19   | 20 |  |

##### Matrix Spike Dup (B251349-MSD2)

Source: 2505209-04 Prepared & Analyzed: 05/20/25

|            |        |        |      |        |        |      |        |       |    |  |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|--|
| Arsenic    | 0.0521 | 0.0010 | mg/L | 0.0500 | ND     | 104  | 70-130 | 2.22  | 20 |  |
| Cadmium    | 0.0488 | 0.0005 | mg/L | 0.0500 | 0.0002 | 97.3 | 70-130 | 0.386 | 20 |  |
| Copper     | 0.0475 | 0.0010 | mg/L | 0.0500 | 0.0033 | 88.3 | 70-130 | 0.439 | 20 |  |
| Lead       | 0.0475 | 0.0005 | mg/L | 0.0500 | 0.0014 | 92.2 | 70-130 | 1.28  | 20 |  |
| Manganese  | 0.130  | 0.0005 | mg/L | 0.0500 | 0.0878 | 84.5 | 70-130 | 0.147 | 20 |  |
| Molybdenum | 0.0499 | 0.0005 | mg/L | 0.0500 | 0.0004 | 99.1 | 70-130 | 0.828 | 20 |  |
| Selenium   | 0.270  | 0.0010 | mg/L | 0.250  | ND     | 108  | 70-130 | 1.79  | 20 |  |
| Uranium    | 0.0484 | 0.0005 | mg/L | 0.0500 | 0.0003 | 96.3 | 70-130 | 0.164 | 20 |  |
| Zinc       | 0.0892 | 0.0020 | mg/L | 0.0500 | 0.0412 | 96.0 | 70-130 | 0.580 | 20 |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### Dissolved Mercury by CVAFS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251334 - EPA 245.7

##### Blank (B251334-BLK1)

Prepared: 05/19/25 Analyzed: 05/22/25

|         |    |     |      |
|---------|----|-----|------|
| Mercury | ND | 100 | ng/L |
|---------|----|-----|------|

##### LCS (B251334-BS1)

Prepared: 05/19/25 Analyzed: 05/22/25

|         |     |     |      |      |      |        |
|---------|-----|-----|------|------|------|--------|
| Mercury | 866 | 100 | ng/L | 1000 | 86.6 | 76-113 |
|---------|-----|-----|------|------|------|--------|

##### LCS Dup (B251334-BSD1)

Prepared: 05/19/25 Analyzed: 05/22/25

|         |     |     |      |      |      |        |      |    |
|---------|-----|-----|------|------|------|--------|------|----|
| Mercury | 836 | 100 | ng/L | 1000 | 83.6 | 76-113 | 3.50 | 20 |
|---------|-----|-----|------|------|------|--------|------|----|

##### Matrix Spike (B251334-MS1)

Source: 2505209-06 Prepared: 05/19/25 Analyzed: 05/22/25

|         |     |     |      |      |    |      |        |
|---------|-----|-----|------|------|----|------|--------|
| Mercury | 931 | 100 | ng/L | 1000 | ND | 93.1 | 63-111 |
|---------|-----|-----|------|------|----|------|--------|

##### Matrix Spike (B251334-MS2)

Source: 2505209-07 Prepared: 05/19/25 Analyzed: 05/22/25

|         |     |     |      |      |    |      |        |
|---------|-----|-----|------|------|----|------|--------|
| Mercury | 946 | 100 | ng/L | 1000 | ND | 94.6 | 63-111 |
|---------|-----|-----|------|------|----|------|--------|

##### Matrix Spike Dup (B251334-MSD1)

Source: 2505209-06 Prepared: 05/19/25 Analyzed: 05/22/25

|         |     |     |      |      |    |      |        |      |     |
|---------|-----|-----|------|------|----|------|--------|------|-----|
| Mercury | 905 | 100 | ng/L | 1000 | ND | 90.5 | 63-111 | 2.78 | 200 |
|---------|-----|-----|------|------|----|------|--------|------|-----|

##### Matrix Spike Dup (B251334-MSD2)

Source: 2505209-07 Prepared: 05/19/25 Analyzed: 05/22/25

|         |     |     |      |      |    |      |        |      |     |
|---------|-----|-----|------|------|----|------|--------|------|-----|
| Mercury | 892 | 100 | ng/L | 1000 | ND | 89.2 | 63-111 | 5.82 | 200 |
|---------|-----|-----|------|------|----|------|--------|------|-----|

#### Batch B251419 - EPA 245.7

##### Blank (B251419-BLK1)

Prepared: 05/27/25 Analyzed: 05/28/25

|         |    |     |      |
|---------|----|-----|------|
| Mercury | ND | 100 | ng/L |
|---------|----|-----|------|

##### LCS (B251419-BS1)

Prepared: 05/27/25 Analyzed: 05/28/25

|         |     |     |      |      |      |        |
|---------|-----|-----|------|------|------|--------|
| Mercury | 933 | 100 | ng/L | 1000 | 93.3 | 76-113 |
|---------|-----|-----|------|------|------|--------|

##### LCS Dup (B251419-BSD1)

Prepared: 05/27/25 Analyzed: 05/28/25

|         |     |     |      |      |      |        |      |    |
|---------|-----|-----|------|------|------|--------|------|----|
| Mercury | 892 | 100 | ng/L | 1000 | 89.2 | 76-113 | 4.50 | 20 |
|---------|-----|-----|------|------|------|--------|------|----|

##### Matrix Spike (B251419-MS1)

Source: 2505242-03 Prepared: 05/27/25 Analyzed: 05/28/25

|         |     |     |      |      |    |      |        |
|---------|-----|-----|------|------|----|------|--------|
| Mercury | 818 | 100 | ng/L | 1000 | ND | 81.8 | 63-111 |
|---------|-----|-----|------|------|----|------|--------|

##### Matrix Spike (B251419-MS2)

Source: 2505243-01 Prepared: 05/27/25 Analyzed: 05/28/25

|         |     |     |      |      |    |      |        |
|---------|-----|-----|------|------|----|------|--------|
| Mercury | 822 | 100 | ng/L | 1000 | ND | 82.2 | 63-111 |
|---------|-----|-----|------|------|----|------|--------|

##### Matrix Spike Dup (B251419-MSD1)

Source: 2505242-03 Prepared: 05/27/25 Analyzed: 05/28/25

|         |     |     |      |      |    |      |        |      |     |
|---------|-----|-----|------|------|----|------|--------|------|-----|
| Mercury | 869 | 100 | ng/L | 1000 | ND | 86.9 | 63-111 | 6.00 | 200 |
|---------|-----|-----|------|------|----|------|--------|------|-----|

##### Matrix Spike Dup (B251419-MSD2)

Source: 2505243-01 Prepared: 05/27/25 Analyzed: 05/28/25

|         |     |     |      |      |    |      |        |       |     |
|---------|-----|-----|------|------|----|------|--------|-------|-----|
| Mercury | 830 | 100 | ng/L | 1000 | ND | 83.0 | 63-111 | 0.955 | 200 |
|---------|-----|-----|------|------|----|------|--------|-------|-----|

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### Notes and Definitions

|     |                                                                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M3  | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| M2  | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| M1  | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |
| B3  | Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result.                                                     |
| DET | Analyte DETECTED                                                                                                                                                                   |
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                                               |
| NR  | Not Reported                                                                                                                                                                       |
| dry | Sample results reported on a dry weight basis<br>*Results reported on as received basis unless designated as dry.                                                                  |
| RPD | Relative Percent Difference                                                                                                                                                        |
| LCS | Laboratory Control Sample (Blank Spike)                                                                                                                                            |
| RL  | Report Limit                                                                                                                                                                       |
| MDL | Method Detection Limit                                                                                                                                                             |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/02/25 11:12

### Qualifier Summary

| <u>LabNumber</u> | <u>Analysis</u>             | <u>Analyte</u> | <u>Qualifier</u> | <u>TextBody</u>                                                                                                                                                                    |
|------------------|-----------------------------|----------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2505242-01       | Selenium Dissolved by ICPMS | Selenium       | B3               | Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result.                                                     |
| 2505242-02       | Selenium Dissolved by ICPMS | Selenium       | B3               | Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result.                                                     |
| B251358-MS1      | Calcium Dissolved by ICP    | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MS2      | Calcium Dissolved by ICP    | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MS2      | Sodium Dissolved by ICP     | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MSD1     | Calcium Dissolved by ICP    | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MSD1     | Sodium Dissolved by ICP     | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MSD2     | Calcium Dissolved by ICP    | Calcium        | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MSD2     | Sodium Dissolved by ICP     | Sodium         | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251408-MS1      | Sulfate [IC]                | Sulfate        | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MS2      | Chloride [IC]               | Chloride       | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MS2      | Fluoride [IC]               | Fluoride       | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MS2      | Sulfate [IC]                | Sulfate        | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MSD1     | Sulfate [IC]                | Sulfate        | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MSD2     | Chloride [IC]               | Chloride       | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MSD2     | Fluoride [IC]               | Fluoride       | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline

Project Name / Number: [none]

Project Manager: Michael Dickson

**Reported:**

06/02/25 11:12

|                     |                   |                                        |    |                                                                                                                                                                                    |
|---------------------|-------------------|----------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>B251408-MSD2</b> | Sulfate [IC]      | Sulfate                                | M2 | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| <b>B251426-MS1</b>  | Alkalinity, Total | Alkalinity, Total as CaCO <sub>3</sub> | M1 | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |
| <b>B251426-MS2</b>  | Alkalinity, Total | Alkalinity, Total as CaCO <sub>3</sub> | M2 | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| <b>B251426-MSD1</b> | Alkalinity, Total | Alkalinity, Total as CaCO <sub>3</sub> | M1 | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |
| <b>B251426-MSD2</b> | Alkalinity, Total | Alkalinity, Total as CaCO <sub>3</sub> | M2 | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



75 Suttle Street  
Durango, CO 81303  
(970) 247-4220

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST  
FORM-006, R 8.0

Table of Contents

Note: Write-Out™ or similar products cannot be used on the Chain of Custody

Company or Client: GCC Energy

Address: 6473 CR 120

City: Hesperus

State: CO Zip: 81326

Phone #: 970.385.4528

Contact Person: Michael Dickson for billing; Landon Beck for logistical or technical

Email Report to: mdickson@gcc.com; lbeck@slrconsulting.com; tom@hayguleservices.com

Project Name(optional):

Sampler Name (Print):

Brandon Waddell

Bill to (if different):

ANALYSIS REQUEST

P.O. #:

Rush?

Y N

Collected

Matrix (check one)

# of containers

Lab I.D.

Sample Name or Location

285-242

01

07

03

04

05

06

07

08

09

10

1) MW-3-C

2) MW-3-A

3) MW-3-MI

4)

5)

6)

7)

8)

9)

10)

5-14-25

5-14-25

5-14-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

5-16-25

GROUNDWATER

SURFACE WATER

WASTEWATER

PRODUCED WATER

DRINKING WATER

SOIL

OTHER:

No preservation

Nitric Acid

Hydrochloric Acid

Sulfuric Acid

Sodium Hydroxide

OTHER:

GCC GW Baseline

GCC SW Baseline

GCC S&S Baseline

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion of the applicable service. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Signature

Date: 5-15-25

Received By:

Signature

Date: 5-15-25

ADDITIONAL REMARKS:

Relinquished By:

Date: 5-15-25

Received By:

Signature

Date: 5-15-25

ADDITIONAL REMARKS:

Relinquished By:

Date: 5-15-25

Received By:

Signature

Date: 5-15-25

ADDITIONAL REMARKS:

Relinquished By:

Date: 5-15-25

Received By:

Signature

Date: 5-15-25

ADDITIONAL REMARKS:

\* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.



Date/Initials of person examining contents: 3.13.10  
CDV

Labeled by initials: \_\_\_\_\_  
(if different than above)

**SAMPLE CONDITION RECEIPT FORM**

Client Name: GCC Energy

Work Order # 2505-242

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ Other

Custody Seals on Box/Cooler Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: \_\_\_\_\_

Thermometer Used: #2 Samples on ice, cooling process has begun: ☒ Yes ☐ No

Type of Ice: ☒ Wet ☐ Blue ☐ None Cooler Temp: \_\_\_\_\_ Observed Temp: 4.1 °C Correction Factor: 1.9 °C Final Temp: 3.2 °C

\*Temp should be above freezing 6°C

Compliance: ☐ Yes ☒ No

|                                                                                     |                                                                                                  |                                                          |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Chain of Custody Filled Out:                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 1.                                                       |
| COC Signed when Relinquished and Received:                                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 2.                                                       |
| Sampler Name and Signature on COC:<br>*Required for compliance                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 3.                                                       |
| Samples arrived within hold time:                                                   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 4.                                                       |
| Correct Containers Used & Intact:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5.                                                       |
| Short Hold Time Analysis (<72hr):                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 6. <u>pH</u>                                             |
| Rush Turn Around Time Requested:                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 7.                                                       |
| Sufficient Volume:                                                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 8.                                                       |
| pH's acceptable upon receipt, where applicable:<br>*Not including metals bottles    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9.                                                       |
| Dissolved Testing Needed:                                                           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 10. <u>0.99</u>                                          |
| Field Filtered: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                  |                                                          |
| Sample Labels match COC:<br>-Includes Date/Time/ID                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 11. <u>03 sample labels say "14:56", COC has "14:59"</u> |
| Matrix: <u>WD</u> SL OT                                                             |                                                                                                  |                                                          |
| Trip Blank Present:                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            | 12.                                                      |
| Trip Blank Custody Seals Present:                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            |                                                          |
| VOA's meet headspace requirement (<6mm bubbles)                                     | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            |                                                          |
| Non-Conformance(s):                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 13.                                                      |

Client Notification/Resolution:

Person Contacted: Brandon Waddell

Date/Time: 5.16.25 1035 called

Comments/Resolution: user confirmed bottle times are correct and will update COC per phone call.



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
jeremy.allen@greenanalytical.com

03 June 2025

Michael Dickson  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: [none]

Enclosed are the results of analyses for samples received by the laboratory on 05/15/25 14:25. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, reading 'Jeremy D. Allen', is displayed on a light blue rectangular background.

Report Station For Jeremy D Allen  
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101



# Table of Contents

|                                |    |
|--------------------------------|----|
| Samples in Report              | 3  |
| Sample Results                 | 4  |
| 2505243-01: MW-4-A             | 4  |
| 2505243-02: MW-4-C             | 6  |
| 2505243-03: MW-4-MI            | 8  |
| Quality Assurance Results      | 10 |
| Notes and Definitions          | 19 |
| Qualifier Summary              | 20 |
| Chain of Custody & Attachments | 22 |



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| MW-4-A    | 2505243-01    | Water  | 05/14/25 13:48 | 05/15/25 14:25 |       |
| MW-4-C    | 2505243-02    | Water  | 05/14/25 13:17 | 05/15/25 14:25 |       |
| MW-4-MI   | 2505243-03    | Water  | 05/14/25 12:40 | 05/15/25 14:25 |       |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

## MW-4-A

**2505243-01 (Ground Water)**

**Sampled Date: 05/14/25 13:48**

**Sampled By: Brandon Waddell**

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

### General Chemistry

|                                                |        |       |       |           |   |                |                       |  |     |
|------------------------------------------------|--------|-------|-------|-----------|---|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 555    | 10.0  | 5.55  | mg/L      | 5 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 5 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 90.0   | 10.0  | 5.55  | mg/L      | 5 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 465    | 10.0  | 5.55  | mg/L      | 5 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Cation/Anion Balance                           | 0.100  | -100  | -100  | %         | 1 | 05/29/25 17:27 | Calculation           |  | JDA |
| Chloride*                                      | 10.1   | 5.00  | 2.49  | mg/L      | 5 | 05/28/25 23:13 | EPA 300.0             |  | AWG |
| Fluoride*                                      | <0.500 | 0.500 | 0.168 | mg/L      | 5 | 05/28/25 23:13 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007 | mg/L as N | 1 | 05/20/25 15:52 | EPA 353.2             |  | HIC |
| pH*                                            | 8.05   |       |       | pH Units  | 1 | 05/16/25 10:49 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 23.3   |       |       | pH Units  | 1 | 05/16/25 10:49 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | 552    | 5.00  | 2.81  | mg/L      | 5 | 05/28/25 23:13 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 1470   | 10.0  |       | mg/L      | 1 | 05/21/25 14:50 | EPA 160.1/SM<br>2540C |  | HIC |
| Total Organic Carbon*                          | 3.13   | 0.500 | 0.220 | mg/L      | 1 | 05/23/25 00:30 | 5310C                 |  | AES |

### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178 | mg/L | 5 | 05/27/25 12:53 | EPA 200.7   |  | AWG |
| Calcium*                      | 1.61   | 0.500 | 0.362 | mg/L | 5 | 05/27/25 12:53 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 7.76   | 3.31  | 2.54  | mg/L | 5 | 05/27/25 12:53 | 2340 B      |  | AWG |
| Iron*                         | <0.250 | 0.250 | 0.173 | mg/L | 5 | 05/27/25 12:53 | EPA 200.7   |  | AWG |
| Magnesium*                    | 0.912  | 0.500 | 0.397 | mg/L | 5 | 05/27/25 12:53 | EPA 200.7   |  | AWG |
| Potassium*                    | <5.00  | 5.00  | 0.906 | mg/L | 5 | 05/27/25 12:53 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 9.71   | 5.35  | 0.104 | mg/L | 5 | 05/27/25 12:53 | Calculation |  | AWG |
| Silicon                       | 4.54   | 2.50  | 0.049 | mg/L | 5 | 05/27/25 12:53 | EPA 200.7   |  | AWG |
| Sodium*                       | 508    | 5.00  | 3.78  | mg/L | 5 | 05/27/25 12:53 | EPA 200.7   |  | AWG |

### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |           |  |     |
|-------------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Arsenic*    | <0.0020 | 0.0020 | 0.0008  | mg/L | 2 | 05/28/25 20:40 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 05/28/25 20:40 | EPA 200.8 |  | AES |
| Copper*     | 0.0273  | 0.0020 | 0.0015  | mg/L | 2 | 05/28/25 20:40 | EPA 200.8 |  | AES |
| Lead*       | 0.0015  | 0.0010 | 0.0002  | mg/L | 2 | 05/28/25 20:40 | EPA 200.8 |  | AES |
| Manganese*  | 0.0026  | 0.0010 | 0.0004  | mg/L | 2 | 05/28/25 20:40 | EPA 200.8 |  | AES |
| Molybdenum* | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 05/28/25 20:40 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

### MW-4-A

**2505243-01 (Ground Water)**

**Sampled Date: 05/14/25 13:48**

**Sampled By: Brandon Waddell**

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

#### Dissolved Metals by ICPMS

|                  |               |        |         |      |   |                |           |  |     |
|------------------|---------------|--------|---------|------|---|----------------|-----------|--|-----|
| <b>Selenium*</b> | <0.0020       | 0.0020 | 0.0007  | mg/L | 2 | 05/28/25 20:40 | EPA 200.8 |  | AES |
| <b>Uranium</b>   | <0.0010       | 0.0010 | 0.00005 | mg/L | 2 | 05/28/25 20:40 | EPA 200.8 |  | AES |
| <b>Zinc*</b>     | <b>0.0262</b> | 0.0040 | 0.0010  | mg/L | 2 | 05/28/25 20:40 | EPA 200.8 |  | AES |

#### Dissolved Mercury by CVAFS

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/28/25 16:12 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

## MW-4-C

**2505243-02 (Ground Water)**

**Sampled Date: 05/14/25 13:17**

**Sampled By: Brandon Waddell**

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

### General Chemistry

|                                                |        |       |       |           |    |                |                       |  |     |
|------------------------------------------------|--------|-------|-------|-----------|----|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 2420   | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 260    | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 2160   | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Cation/Anion Balance                           | -1.84  | -100  | -100  | %         | 1  | 05/29/25 17:27 | Calculation           |  | JDA |
| Chloride*                                      | 515    | 10.0  | 4.97  | mg/L      | 10 | 05/28/25 23:38 | EPA 300.0             |  | AWG |
| Fluoride*                                      | 2.23   | 1.00  | 0.336 | mg/L      | 10 | 05/28/25 23:38 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007 | mg/L as N | 1  | 05/20/25 15:53 | EPA 353.2             |  | HIC |
| pH*                                            | 7.97   |       |       | pH Units  | 1  | 05/16/25 10:49 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 21.5   |       |       | pH Units  | 1  | 05/16/25 10:49 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | <10.0  | 10.0  | 5.63  | mg/L      | 10 | 05/28/25 23:38 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 3510   | 10.0  |       | mg/L      | 1  | 05/21/25 14:52 | EPA 160.1/SM<br>2540C |  | HIC |
| Total Organic Carbon*                          | 4.21   | 0.500 | 0.220 | mg/L      | 1  | 05/23/25 00:58 | 5310C                 |  | AES |

### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178 | mg/L | 5 | 05/27/25 12:55 | EPA 200.7   |  | AWG |
| Calcium*                      | 5.19   | 0.500 | 0.362 | mg/L | 5 | 05/27/25 12:55 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 23.0   | 3.31  | 2.54  | mg/L | 5 | 05/27/25 12:55 | 2340 B      |  | AWG |
| Iron*                         | 0.579  | 0.250 | 0.173 | mg/L | 5 | 05/27/25 12:55 | EPA 200.7   |  | AWG |
| Magnesium*                    | 2.43   | 0.500 | 0.397 | mg/L | 5 | 05/27/25 12:55 | EPA 200.7   |  | AWG |
| Potassium*                    | <5.00  | 5.00  | 0.906 | mg/L | 5 | 05/27/25 12:55 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 9.37   | 5.35  | 0.104 | mg/L | 5 | 05/27/25 12:55 | Calculation |  | AWG |
| Silicon                       | 4.38   | 2.50  | 0.049 | mg/L | 5 | 05/27/25 12:55 | EPA 200.7   |  | AWG |
| Sodium*                       | 1370   | 5.00  | 3.78  | mg/L | 5 | 05/27/25 12:55 | EPA 200.7   |  | AWG |

### Dissolved Metals by ICPMS

|             |         |        |        |      |   |                |           |  |     |
|-------------|---------|--------|--------|------|---|----------------|-----------|--|-----|
| Arsenic*    | 0.0202  | 0.0050 | 0.0020 | mg/L | 5 | 05/28/25 20:41 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0025 | 0.0025 | 0.0002 | mg/L | 5 | 05/28/25 20:41 | EPA 200.8 |  | AES |
| Copper*     | 0.0492  | 0.0050 | 0.0036 | mg/L | 5 | 05/28/25 20:41 | EPA 200.8 |  | AES |
| Lead*       | <0.0025 | 0.0025 | 0.0006 | mg/L | 5 | 05/28/25 20:41 | EPA 200.8 |  | AES |
| Manganese*  | 0.0034  | 0.0025 | 0.0009 | mg/L | 5 | 05/28/25 20:41 | EPA 200.8 |  | AES |
| Molybdenum* | <0.0025 | 0.0025 | 0.0002 | mg/L | 5 | 05/28/25 20:41 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

### MW-4-C

**2505243-02 (Ground Water)**

**Sampled Date: 05/14/25 13:17**

**Sampled By: Brandon Waddell**

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

#### Dissolved Metals by ICPMS

|                  |               |        |        |      |   |                |           |  |     |
|------------------|---------------|--------|--------|------|---|----------------|-----------|--|-----|
| <b>Selenium*</b> | <b>0.0377</b> | 0.0050 | 0.0019 | mg/L | 5 | 05/28/25 20:41 | EPA 200.8 |  | AES |
| <b>Uranium</b>   | <0.0025       | 0.0025 | 0.0001 | mg/L | 5 | 05/28/25 20:41 | EPA 200.8 |  | AES |
| <b>Zinc*</b>     | <0.0100       | 0.0100 | 0.0024 | mg/L | 5 | 05/28/25 20:41 | EPA 200.8 |  | AES |

#### Dissolved Mercury by CVAFS

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/28/25 16:20 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

## MW-4-MI

**2505243-03 (Ground Water)**

**Sampled Date: 05/14/25 12:40**

**Sampled By: Brandon Waddell**

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

### General Chemistry

|                                                |        |       |       |           |    |                |                       |  |     |
|------------------------------------------------|--------|-------|-------|-----------|----|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 980    | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 140    | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 840    | 10.0  | 5.55  | mg/L      | 10 | 05/28/25 00:00 | 2320 B                |  | AWG |
| Cation/Anion Balance                           | -0.360 | -100  | -100  | %         | 1  | 05/29/25 17:27 | Calculation           |  | JDA |
| Chloride*                                      | <5.00  | 5.00  | 2.49  | mg/L      | 5  | 05/29/25 00:02 | EPA 300.0             |  | AWG |
| Fluoride*                                      | 5.18   | 0.500 | 0.168 | mg/L      | 5  | 05/29/25 00:02 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007 | mg/L as N | 1  | 05/20/25 15:55 | EPA 353.2             |  | HIC |
| pH*                                            | 8.40   |       |       | pH Units  | 1  | 05/16/25 10:49 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 21.5   |       |       | pH Units  | 1  | 05/16/25 10:49 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | 8.35   | 5.00  | 2.81  | mg/L      | 5  | 05/29/25 00:02 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 1110   | 10.0  |       | mg/L      | 1  | 05/21/25 14:54 | EPA 160.1/SM<br>2540C |  | HIC |
| Total Organic Carbon*                          | 3.14   | 0.500 | 0.220 | mg/L      | 1  | 05/23/25 01:16 | 5310C                 |  | AES |

### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178 | mg/L | 5 | 05/27/25 12:59 | EPA 200.7   |  | AWG |
| Calcium*                      | 1.24   | 0.500 | 0.362 | mg/L | 5 | 05/27/25 12:59 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | <3.31  | 3.31  | 2.54  | mg/L | 5 | 05/27/25 12:59 | 2340 B      |  | AWG |
| Iron*                         | <0.250 | 0.250 | 0.173 | mg/L | 5 | 05/27/25 12:59 | EPA 200.7   |  | AWG |
| Magnesium*                    | <0.500 | 0.500 | 0.397 | mg/L | 5 | 05/27/25 12:59 | EPA 200.7   |  | AWG |
| Potassium*                    | <5.00  | 5.00  | 0.906 | mg/L | 5 | 05/27/25 12:59 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 9.23   | 5.35  | 0.104 | mg/L | 5 | 05/27/25 12:59 | Calculation |  | AWG |
| Silicon                       | 4.31   | 2.50  | 0.049 | mg/L | 5 | 05/27/25 12:59 | EPA 200.7   |  | AWG |
| Sodium*                       | 443    | 5.00  | 3.78  | mg/L | 5 | 05/27/25 12:59 | EPA 200.7   |  | AWG |

### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |           |  |     |
|-------------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Arsenic*    | 0.0059  | 0.0020 | 0.0008  | mg/L | 2 | 05/28/25 20:43 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 05/28/25 20:43 | EPA 200.8 |  | AES |
| Copper*     | 0.0146  | 0.0020 | 0.0015  | mg/L | 2 | 05/28/25 20:43 | EPA 200.8 |  | AES |
| Lead*       | <0.0010 | 0.0010 | 0.0002  | mg/L | 2 | 05/28/25 20:43 | EPA 200.8 |  | AES |
| Manganese*  | 0.0086  | 0.0010 | 0.0004  | mg/L | 2 | 05/28/25 20:43 | EPA 200.8 |  | AES |
| Molybdenum* | 0.0043  | 0.0010 | 0.00009 | mg/L | 2 | 05/28/25 20:43 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

### MW-4-MI

**2505243-03 (Ground Water)**

**Sampled Date: 05/14/25 12:40**

**Sampled By: Brandon Waddell**

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

#### **Dissolved Metals by ICPMS**

|                  |               |        |         |      |   |                |           |  |     |
|------------------|---------------|--------|---------|------|---|----------------|-----------|--|-----|
| <b>Selenium*</b> | <0.0020       | 0.0020 | 0.0007  | mg/L | 2 | 05/28/25 20:43 | EPA 200.8 |  | AES |
| <b>Uranium</b>   | <b>0.0050</b> | 0.0010 | 0.00005 | mg/L | 2 | 05/28/25 20:43 | EPA 200.8 |  | AES |
| <b>Zinc*</b>     | <b>0.0085</b> | 0.0040 | 0.0010  | mg/L | 2 | 05/28/25 20:43 | EPA 200.8 |  | AES |

#### **Dissolved Mercury by CVAFS**

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 05/28/25 16:49 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

### General Chemistry - Quality Control

| Analyte                                                                                 | Result | Reporting Limit | Units     | Spike Level | Source Result | %REC | %REC Limits  | RPD   | RPD Limit | Notes |
|-----------------------------------------------------------------------------------------|--------|-----------------|-----------|-------------|---------------|------|--------------|-------|-----------|-------|
| <b>Batch B251344 - General Prep - Wet Chem</b>                                          |        |                 |           |             |               |      |              |       |           |       |
| <b>Duplicate (B251344-DUP1)</b> Source: 2505201-01 Prepared & Analyzed: 05/16/25        |        |                 |           |             |               |      |              |       |           |       |
| pH                                                                                      | 7.79   |                 | pH Units  |             | 7.78          |      |              | 0.128 | 20        |       |
| pH Temperature, degrees C                                                               | 21.9   |                 | pH Units  |             | 21.8          |      |              | 0.458 | 200       |       |
| <b>Duplicate (B251344-DUP2)</b> Source: 2505201-02 Prepared & Analyzed: 05/16/25        |        |                 |           |             |               |      |              |       |           |       |
| pH                                                                                      | 7.94   |                 | pH Units  |             | 7.90          |      |              | 0.505 | 20        |       |
| pH Temperature, degrees C                                                               | 20.5   |                 | pH Units  |             | 21.0          |      |              | 2.41  | 200       |       |
| <b>Reference (B251344-SRM1)</b> Prepared & Analyzed: 05/16/25                           |        |                 |           |             |               |      |              |       |           |       |
| pH                                                                                      | 6.96   |                 | pH Units  | 7.00        |               | 99.4 | 98.57-101.42 |       |           |       |
| <b>Batch B251352 - Lachat</b>                                                           |        |                 |           |             |               |      |              |       |           |       |
| <b>Blank (B251352-BLK1)</b> Prepared & Analyzed: 05/20/25                               |        |                 |           |             |               |      |              |       |           |       |
| Nitrate/Nitrite as N                                                                    | ND     | 0.020           | mg/L as N |             |               |      |              |       |           |       |
| <b>LCS (B251352-BS1)</b> Prepared & Analyzed: 05/20/25                                  |        |                 |           |             |               |      |              |       |           |       |
| Nitrate/Nitrite as N                                                                    | 1.03   | 0.020           | mg/L as N | 1.00        |               | 103  | 90-110       |       |           |       |
| <b>LCS Dup (B251352-BSD1)</b> Prepared & Analyzed: 05/20/25                             |        |                 |           |             |               |      |              |       |           |       |
| Nitrate/Nitrite as N                                                                    | 1.03   | 0.020           | mg/L as N | 1.00        |               | 103  | 90-110       | 0.291 | 20        |       |
| <b>Matrix Spike (B251352-MS1)</b> Source: 2505209-17 Prepared & Analyzed: 05/20/25      |        |                 |           |             |               |      |              |       |           |       |
| Nitrate/Nitrite as N                                                                    | 1.04   | 0.020           | mg/L as N | 1.00        | ND            | 104  | 90-110       |       |           |       |
| <b>Matrix Spike (B251352-MS2)</b> Source: 2505238-01 Prepared & Analyzed: 05/20/25      |        |                 |           |             |               |      |              |       |           |       |
| Nitrate/Nitrite as N                                                                    | 1.06   | 0.020           | mg/L as N | 1.00        | 0.084         | 97.1 | 90-110       |       |           |       |
| <b>Matrix Spike Dup (B251352-MSD1)</b> Source: 2505209-17 Prepared & Analyzed: 05/20/25 |        |                 |           |             |               |      |              |       |           |       |
| Nitrate/Nitrite as N                                                                    | 1.04   | 0.020           | mg/L as N | 1.00        | ND            | 104  | 90-110       | 0.193 | 20        |       |
| <b>Matrix Spike Dup (B251352-MSD2)</b> Source: 2505238-01 Prepared & Analyzed: 05/20/25 |        |                 |           |             |               |      |              |       |           |       |
| Nitrate/Nitrite as N                                                                    | 1.06   | 0.020           | mg/L as N | 1.00        | 0.084         | 97.7 | 90-110       | 0.567 | 20        |       |
| <b>Batch B251375 - General Prep - Wet Chem</b>                                          |        |                 |           |             |               |      |              |       |           |       |
| <b>Blank (B251375-BLK1)</b> Prepared & Analyzed: 05/21/25                               |        |                 |           |             |               |      |              |       |           |       |
| Total Dissolved Solids                                                                  | ND     | 10.0            | mg/L      |             |               |      |              |       |           |       |
| <b>Duplicate (B251375-DUP1)</b> Source: 2505240-01 Prepared & Analyzed: 05/21/25        |        |                 |           |             |               |      |              |       |           |       |
| Total Dissolved Solids                                                                  | 455    | 10.0            | mg/L      |             | 445           |      |              | 2.23  | 20        |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251375 - General Prep - Wet Chem (Continued)

##### Reference (B251375-SRM1)

Prepared & Analyzed: 05/21/25

|                        |     |      |      |     |     |        |
|------------------------|-----|------|------|-----|-----|--------|
| Total Dissolved Solids | 410 | 10.0 | mg/L | 400 | 102 | 85-115 |
|------------------------|-----|------|------|-----|-----|--------|

#### Batch B251390 - General Prep - Wet Chem

##### Blank (B251390-BLK1)

Prepared & Analyzed: 05/22/25

|                      |    |       |      |
|----------------------|----|-------|------|
| Total Organic Carbon | ND | 0.500 | mg/L |
|----------------------|----|-------|------|

##### LCS (B251390-BS1)

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |        |
|----------------------|------|-------|------|------|------|--------|
| Total Organic Carbon | 9.62 | 0.500 | mg/L | 10.0 | 96.2 | 85-115 |
|----------------------|------|-------|------|------|------|--------|

##### LCS Dup (B251390-BSD1)

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |        |       |    |
|----------------------|------|-------|------|------|------|--------|-------|----|
| Total Organic Carbon | 9.61 | 0.500 | mg/L | 10.0 | 96.1 | 85-115 | 0.104 | 20 |
|----------------------|------|-------|------|------|------|--------|-------|----|

##### Matrix Spike (B251390-MS1)

Source: 2505198-02

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |      |        |
|----------------------|------|-------|------|------|------|------|--------|
| Total Organic Carbon | 11.5 | 0.500 | mg/L | 10.0 | 1.91 | 95.5 | 80-120 |
|----------------------|------|-------|------|------|------|------|--------|

##### Matrix Spike (B251390-MS2)

Source: 2505198-03

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |      |        |
|----------------------|------|-------|------|------|------|------|--------|
| Total Organic Carbon | 11.6 | 0.500 | mg/L | 10.0 | 1.95 | 96.4 | 80-120 |
|----------------------|------|-------|------|------|------|------|--------|

##### Matrix Spike Dup (B251390-MSD1)

Source: 2505198-02

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |      |        |       |    |
|----------------------|------|-------|------|------|------|------|--------|-------|----|
| Total Organic Carbon | 11.4 | 0.500 | mg/L | 10.0 | 1.91 | 94.4 | 80-120 | 0.964 | 20 |
|----------------------|------|-------|------|------|------|------|--------|-------|----|

##### Matrix Spike Dup (B251390-MSD2)

Source: 2505198-03

Prepared & Analyzed: 05/22/25

|                      |      |       |      |      |      |      |        |      |    |
|----------------------|------|-------|------|------|------|------|--------|------|----|
| Total Organic Carbon | 11.5 | 0.500 | mg/L | 10.0 | 1.95 | 95.1 | 80-120 | 1.13 | 20 |
|----------------------|------|-------|------|------|------|------|--------|------|----|

#### Batch B251408 - IC- Ion Chromatograph

##### Blank (B251408-BLK1)

Prepared: 05/27/25 Analyzed: 05/28/25

|          |    |       |      |
|----------|----|-------|------|
| Chloride | ND | 1.00  | mg/L |
| Fluoride | ND | 0.100 | mg/L |
| Sulfate  | ND | 1.00  | mg/L |

##### LCS (B251408-BS1)

Prepared: 05/27/25 Analyzed: 05/30/25

|          |      |       |      |      |      |        |
|----------|------|-------|------|------|------|--------|
| Chloride | 24.3 | 1.00  | mg/L | 25.0 | 97.1 | 90-110 |
| Fluoride | 2.51 | 0.100 | mg/L | 2.50 | 100  | 90-110 |
| Sulfate  | 24.2 | 1.00  | mg/L | 25.0 | 96.7 | 90-110 |

##### LCS Dup (B251408-BSD1)

Prepared: 05/27/25 Analyzed: 05/28/25

|          |      |       |      |      |      |        |      |    |
|----------|------|-------|------|------|------|--------|------|----|
| Chloride | 22.8 | 1.00  | mg/L | 25.0 | 91.0 | 90-110 | 6.44 | 20 |
| Fluoride | 2.36 | 0.100 | mg/L | 2.50 | 94.3 | 90-110 | 6.37 | 20 |
| Sulfate  | 22.5 | 1.00  | mg/L | 25.0 | 90.2 | 90-110 | 6.95 | 20 |

##### Matrix Spike (B251408-MS1)

Source: 2505248-01

Prepared: 05/27/25 Analyzed: 05/29/25

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251408 - IC- Ion Chromatograph (Continued)

|                                               |      |                           |      |                    |       |                    |        |       |    |    |
|-----------------------------------------------|------|---------------------------|------|--------------------|-------|--------------------|--------|-------|----|----|
| <b>Matrix Spike (B251408-MS1) (Continued)</b> |      | <b>Source: 2505248-01</b> |      | Prepared: 05/27/25 |       | Analyzed: 05/29/25 |        |       |    |    |
| Chloride                                      | 85.8 | 5.00                      | mg/L | 25.0               | 63.7  | 88.6               | 85-115 |       |    |    |
| Fluoride                                      | 5.37 | 0.500                     | mg/L | 2.50               | 3.23  | 85.6               | 85-115 |       |    |    |
| Sulfate                                       | 60.0 | 5.00                      | mg/L | 25.0               | 39.3  | 82.6               | 85-115 |       |    | M2 |
| <b>Matrix Spike (B251408-MS2)</b>             |      | <b>Source: 2505252-01</b> |      | Prepared: 05/27/25 |       | Analyzed: 05/29/25 |        |       |    |    |
| Chloride                                      | 64.4 | 5.00                      | mg/L | 25.0               | 43.8  | 82.3               | 85-115 |       |    | M2 |
| Fluoride                                      | 2.82 | 0.500                     | mg/L | 2.50               | 0.775 | 81.6               | 85-115 |       |    | M2 |
| Sulfate                                       | 401  | 5.00                      | mg/L | 25.0               | 384   | 67.6               | 85-115 |       |    | M2 |
| <b>Matrix Spike Dup (B251408-MSD1)</b>        |      | <b>Source: 2505248-01</b> |      | Prepared: 05/27/25 |       | Analyzed: 05/29/25 |        |       |    |    |
| Chloride                                      | 86.1 | 5.00                      | mg/L | 25.0               | 63.7  | 89.5               | 85-115 | 0.273 | 20 |    |
| Fluoride                                      | 5.41 | 0.500                     | mg/L | 2.50               | 3.23  | 87.0               | 85-115 | 0.650 | 20 |    |
| Sulfate                                       | 60.2 | 5.00                      | mg/L | 25.0               | 39.3  | 83.7               | 85-115 | 0.466 | 20 | M2 |
| <b>Matrix Spike Dup (B251408-MSD2)</b>        |      | <b>Source: 2505252-01</b> |      | Prepared: 05/27/25 |       | Analyzed: 05/29/25 |        |       |    |    |
| Chloride                                      | 64.3 | 5.00                      | mg/L | 25.0               | 43.8  | 81.8               | 85-115 | 0.202 | 20 | M2 |
| Fluoride                                      | 2.84 | 0.500                     | mg/L | 2.50               | 0.775 | 82.6               | 85-115 | 0.884 | 20 | M2 |
| Sulfate                                       | 397  | 5.00                      | mg/L | 25.0               | 384   | 54.0               | 85-115 | 0.857 | 20 | M2 |

#### Batch B251426 - General Prep - Wet Chem

|                                              |      |                           |      |                    |     |                    |        |      |    |    |
|----------------------------------------------|------|---------------------------|------|--------------------|-----|--------------------|--------|------|----|----|
| <b>Blank (B251426-BLK1)</b>                  |      | Prepared: 05/27/25        |      | Analyzed: 05/28/25 |     |                    |        |      |    |    |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | ND   | 10.0                      | mg/L |                    |     |                    |        |      |    |    |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND   | 10.0                      | mg/L |                    |     |                    |        |      |    |    |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND   | 10.0                      | mg/L |                    |     |                    |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | ND   | 10.0                      | mg/L |                    |     |                    |        |      |    |    |
| <b>LCS (B251426-BS1)</b>                     |      | Prepared: 05/27/25        |      | Analyzed: 05/28/25 |     |                    |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | 95.0 | 10.0                      | mg/L | 100                |     | 95.0               | 85-115 |      |    |    |
| <b>LCS Dup (B251426-BSD1)</b>                |      | Prepared: 05/27/25        |      | Analyzed: 05/28/25 |     |                    |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | 97.0 | 10.0                      | mg/L | 100                |     | 97.0               | 85-115 | 2.08 | 20 |    |
| <b>Matrix Spike (B251426-MS1)</b>            |      | <b>Source: 2505252-01</b> |      | Prepared: 05/27/25 |     | Analyzed: 05/28/25 |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | 252  | 10.0                      | mg/L | 100                | 128 | 124                | 80-120 |      |    | M1 |
| <b>Matrix Spike (B251426-MS2)</b>            |      | <b>Source: 2505293-01</b> |      | Prepared: 05/27/25 |     | Analyzed: 05/28/25 |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | 28.0 | 10.0                      | mg/L | 100                | ND  | 28.0               | 80-120 |      |    | M2 |
| <b>Matrix Spike Dup (B251426-MSD1)</b>       |      | <b>Source: 2505252-01</b> |      | Prepared: 05/27/25 |     | Analyzed: 05/28/25 |        |      |    |    |
| Alkalinity, Total as CaCO <sub>3</sub>       | 269  | 10.0                      | mg/L | 100                | 128 | 141                | 80-120 | 6.53 | 20 | M1 |
| <b>Matrix Spike Dup (B251426-MSD2)</b>       |      | <b>Source: 2505293-01</b> |      | Prepared: 05/27/25 |     | Analyzed: 05/28/25 |        |      |    |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251426 - General Prep - Wet Chem (Continued)

##### Matrix Spike Dup (B251426-MSD2) (Continued)

Source: 2505293-01

Prepared: 05/27/25 Analyzed: 05/28/25

|                                        |      |      |      |     |    |      |        |      |    |    |
|----------------------------------------|------|------|------|-----|----|------|--------|------|----|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 27.0 | 10.0 | mg/L | 100 | ND | 27.0 | 80-120 | 3.64 | 20 | M2 |
|----------------------------------------|------|------|------|-----|----|------|--------|------|----|----|

##### Reference (B251426-SRM1)

Prepared: 05/27/25 Analyzed: 05/28/25

|                                        |      |      |      |     |  |      |        |  |  |  |
|----------------------------------------|------|------|------|-----|--|------|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 99.0 | 10.0 | mg/L | 100 |  | 99.0 | 85-115 |  |  |  |
|----------------------------------------|------|------|------|-----|--|------|--------|--|--|--|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

### Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251358 - Dissolved ICP

##### Blank (B251358-BLK1)

Prepared: 05/23/25 Analyzed: 05/27/25

|           |    |       |      |  |  |  |  |  |  |  |
|-----------|----|-------|------|--|--|--|--|--|--|--|
| Aluminum  | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Calcium   | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Iron      | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Magnesium | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Potassium | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Silicon   | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
| Sodium    | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251358-BS1)

Prepared: 05/20/25 Analyzed: 05/27/25

|           |      |       |      |      |  |      |        |  |  |  |
|-----------|------|-------|------|------|--|------|--------|--|--|--|
| Aluminum  | 3.84 | 0.050 | mg/L | 4.00 |  | 96.1 | 85-115 |  |  |  |
| Calcium   | 3.91 | 0.100 | mg/L | 4.00 |  | 97.7 | 85-115 |  |  |  |
| Iron      | 3.91 | 0.050 | mg/L | 4.00 |  | 97.8 | 85-115 |  |  |  |
| Magnesium | 20.2 | 0.100 | mg/L | 20.0 |  | 101  | 85-115 |  |  |  |
| Potassium | 7.92 | 1.00  | mg/L | 8.00 |  | 99.0 | 85-115 |  |  |  |
| Silicon   | 4.14 | 0.500 | mg/L | 4.00 |  | 103  | 85-115 |  |  |  |
| Sodium    | 3.12 | 1.00  | mg/L | 3.24 |  | 96.3 | 85-115 |  |  |  |

##### LCS Dup (B251358-BS1)

Prepared: 05/20/25 Analyzed: 05/27/25

|           |      |       |      |      |  |      |        |       |    |  |
|-----------|------|-------|------|------|--|------|--------|-------|----|--|
| Aluminum  | 3.79 | 0.050 | mg/L | 4.00 |  | 94.8 | 85-115 | 1.38  | 20 |  |
| Calcium   | 3.86 | 0.100 | mg/L | 4.00 |  | 96.5 | 85-115 | 1.24  | 20 |  |
| Iron      | 3.87 | 0.050 | mg/L | 4.00 |  | 96.7 | 85-115 | 1.13  | 20 |  |
| Magnesium | 20.0 | 0.100 | mg/L | 20.0 |  | 100  | 85-115 | 1.08  | 20 |  |
| Potassium | 7.89 | 1.00  | mg/L | 8.00 |  | 98.7 | 85-115 | 0.358 | 20 |  |
| Silicon   | 4.10 | 0.500 | mg/L | 4.00 |  | 102  | 85-115 | 1.01  | 20 |  |
| Sodium    | 3.05 | 1.00  | mg/L | 3.24 |  | 94.1 | 85-115 | 2.33  | 20 |  |

##### Matrix Spike (B251358-MS1)

Source: 2505209-17 Prepared: 05/23/25 Analyzed: 05/27/25

|           |      |       |      |      |       |      |        |  |  |    |
|-----------|------|-------|------|------|-------|------|--------|--|--|----|
| Aluminum  | 4.15 | 0.050 | mg/L | 4.00 | ND    | 104  | 70-130 |  |  |    |
| Calcium   | 46.6 | 0.100 | mg/L | 4.00 | 45.0  | 38.8 | 70-130 |  |  | M3 |
| Iron      | 4.21 | 0.050 | mg/L | 4.00 | ND    | 105  | 70-130 |  |  |    |
| Magnesium | 26.4 | 0.100 | mg/L | 20.0 | 5.79  | 103  | 70-130 |  |  |    |
| Potassium | 9.03 | 1.00  | mg/L | 8.00 | 0.766 | 103  | 70-130 |  |  |    |
| Silicon   | 6.39 | 0.500 | mg/L | 4.00 | 2.28  | 103  | 70-130 |  |  |    |
| Sodium    | 5.78 | 1.00  | mg/L | 3.24 | 2.51  | 101  | 70-130 |  |  |    |

##### Matrix Spike (B251358-MS2)

Source: 2505240-01 Prepared: 05/23/25 Analyzed: 05/27/25

|           |      |       |      |      |      |      |        |  |  |    |
|-----------|------|-------|------|------|------|------|--------|--|--|----|
| Aluminum  | 3.98 | 0.250 | mg/L | 4.00 | ND   | 99.4 | 70-130 |  |  |    |
| Calcium   | 40.9 | 0.500 | mg/L | 4.00 | 38.2 | 67.5 | 70-130 |  |  | M3 |
| Iron      | 4.05 | 0.250 | mg/L | 4.00 | ND   | 101  | 70-130 |  |  |    |
| Magnesium | 44.0 | 0.500 | mg/L | 20.0 | 25.4 | 93.1 | 70-130 |  |  |    |
| Potassium | 10.7 | 5.00  | mg/L | 8.00 | 2.55 | 102  | 70-130 |  |  |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

### Dissolved Metals by ICP - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251358 - Dissolved ICP (Continued)

##### Matrix Spike (B251358-MS2) (Continued)

Source: 2505240-01 Prepared: 05/23/25 Analyzed: 05/27/25

|         |      |      |      |      |      |      |        |  |  |    |
|---------|------|------|------|------|------|------|--------|--|--|----|
| Silicon | 11.7 | 2.50 | mg/L | 4.00 | 8.42 | 82.7 | 70-130 |  |  |    |
| Sodium  | 105  | 5.00 | mg/L | 3.24 | 105  | NR   | 70-130 |  |  | M3 |

##### Matrix Spike Dup (B251358-MSD1)

Source: 2505209-17 Prepared: 05/23/25 Analyzed: 05/27/25

|           |      |       |      |      |      |      |        |      |    |    |
|-----------|------|-------|------|------|------|------|--------|------|----|----|
| Aluminum  | 3.99 | 0.250 | mg/L | 4.00 | ND   | 99.8 | 70-130 | 3.88 | 20 |    |
| Calcium   | 45.6 | 0.500 | mg/L | 4.00 | 45.0 | 14.2 | 70-130 | 2.14 | 20 | M3 |
| Iron      | 4.05 | 0.250 | mg/L | 4.00 | ND   | 101  | 70-130 | 4.04 | 20 |    |
| Magnesium | 25.8 | 0.500 | mg/L | 20.0 | 5.79 | 100  | 70-130 | 2.33 | 20 |    |
| Potassium | 8.72 | 5.00  | mg/L | 8.00 | ND   | 109  | 70-130 | 3.50 | 20 |    |
| Silicon   | 6.17 | 2.50  | mg/L | 4.00 | 2.28 | 97.3 | 70-130 | 3.51 | 20 |    |
| Sodium    | 5.17 | 5.00  | mg/L | 3.24 | ND   | 160  | 70-130 | 11.1 | 20 | M3 |

##### Matrix Spike Dup (B251358-MSD2)

Source: 2505240-01 Prepared: 05/23/25 Analyzed: 05/27/25

|           |      |       |      |      |      |      |        |       |    |    |
|-----------|------|-------|------|------|------|------|--------|-------|----|----|
| Aluminum  | 3.79 | 0.500 | mg/L | 4.00 | ND   | 94.7 | 70-130 | 4.89  | 20 |    |
| Calcium   | 41.0 | 1.00  | mg/L | 4.00 | 38.2 | 69.3 | 70-130 | 0.171 | 20 | M3 |
| Iron      | 4.07 | 0.500 | mg/L | 4.00 | ND   | 102  | 70-130 | 0.491 | 20 |    |
| Magnesium | 44.0 | 1.00  | mg/L | 20.0 | 25.4 | 92.7 | 70-130 | 0.172 | 20 |    |
| Potassium | 10.8 | 10.0  | mg/L | 8.00 | 2.55 | 104  | 70-130 | 1.32  | 20 |    |
| Silicon   | 11.7 | 5.00  | mg/L | 4.00 | 8.42 | 82.0 | 70-130 | 0.244 | 20 |    |
| Sodium    | 101  | 10.0  | mg/L | 3.24 | 105  | NR   | 70-130 | 3.52  | 20 | M3 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

### Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251427 - Dissolved ICPMS

##### Blank (B251427-BLK1)

Prepared & Analyzed: 05/28/25

|            |    |        |      |  |  |  |  |  |  |  |
|------------|----|--------|------|--|--|--|--|--|--|--|
| Arsenic    | ND | 0.0010 | mg/L |  |  |  |  |  |  |  |
| Cadmium    | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Copper     | ND | 0.0010 | mg/L |  |  |  |  |  |  |  |
| Lead       | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Manganese  | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Molybdenum | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Selenium   | ND | 0.0010 | mg/L |  |  |  |  |  |  |  |
| Uranium    | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Zinc       | ND | 0.0020 | mg/L |  |  |  |  |  |  |  |

##### LCS (B251427-BS1)

Prepared & Analyzed: 05/28/25

|            |        |        |      |        |  |      |        |  |  |  |
|------------|--------|--------|------|--------|--|------|--------|--|--|--|
| Arsenic    | 0.0488 | 0.0010 | mg/L | 0.0500 |  | 97.6 | 85-115 |  |  |  |
| Cadmium    | 0.0494 | 0.0005 | mg/L | 0.0500 |  | 98.9 | 85-115 |  |  |  |
| Copper     | 0.0524 | 0.0010 | mg/L | 0.0500 |  | 105  | 85-115 |  |  |  |
| Lead       | 0.0509 | 0.0005 | mg/L | 0.0500 |  | 102  | 85-115 |  |  |  |
| Manganese  | 0.0511 | 0.0005 | mg/L | 0.0500 |  | 102  | 85-115 |  |  |  |
| Molybdenum | 0.0502 | 0.0005 | mg/L | 0.0500 |  | 100  | 85-115 |  |  |  |
| Selenium   | 0.240  | 0.0010 | mg/L | 0.250  |  | 95.9 | 85-115 |  |  |  |
| Uranium    | 0.0534 | 0.0005 | mg/L | 0.0500 |  | 107  | 85-115 |  |  |  |
| Zinc       | 0.0523 | 0.0020 | mg/L | 0.0500 |  | 105  | 85-115 |  |  |  |

##### LCS Dup (B251427-BSD1)

Prepared & Analyzed: 05/28/25

|            |        |        |      |        |  |      |        |       |    |  |
|------------|--------|--------|------|--------|--|------|--------|-------|----|--|
| Arsenic    | 0.0489 | 0.0010 | mg/L | 0.0500 |  | 97.8 | 85-115 | 0.192 | 20 |  |
| Cadmium    | 0.0497 | 0.0005 | mg/L | 0.0500 |  | 99.4 | 85-115 | 0.483 | 20 |  |
| Copper     | 0.0522 | 0.0010 | mg/L | 0.0500 |  | 104  | 85-115 | 0.477 | 20 |  |
| Lead       | 0.0506 | 0.0005 | mg/L | 0.0500 |  | 101  | 85-115 | 0.707 | 20 |  |
| Manganese  | 0.0502 | 0.0005 | mg/L | 0.0500 |  | 100  | 85-115 | 1.70  | 20 |  |
| Molybdenum | 0.0503 | 0.0005 | mg/L | 0.0500 |  | 101  | 85-115 | 0.172 | 20 |  |
| Selenium   | 0.241  | 0.0010 | mg/L | 0.250  |  | 96.5 | 85-115 | 0.602 | 20 |  |
| Uranium    | 0.0529 | 0.0005 | mg/L | 0.0500 |  | 106  | 85-115 | 1.04  | 20 |  |
| Zinc       | 0.0520 | 0.0020 | mg/L | 0.0500 |  | 104  | 85-115 | 0.623 | 20 |  |

##### Matrix Spike (B251427-MS1)

Source: 2505314-01

Prepared & Analyzed: 05/28/25

|            |        |        |      |        |        |      |        |  |  |    |
|------------|--------|--------|------|--------|--------|------|--------|--|--|----|
| Arsenic    | 0.0558 | 0.0010 | mg/L | 0.0500 | ND     | 112  | 70-130 |  |  |    |
| Cadmium    | 0.0497 | 0.0005 | mg/L | 0.0500 | 0.0003 | 98.8 | 70-130 |  |  |    |
| Copper     | 0.0378 | 0.0010 | mg/L | 0.0500 | 0.0020 | 71.6 | 70-130 |  |  |    |
| Lead       | 0.0426 | 0.0005 | mg/L | 0.0500 | ND     | 85.3 | 70-130 |  |  |    |
| Manganese  | 0.144  | 0.0005 | mg/L | 0.0500 | 0.111  | 66.2 | 70-130 |  |  | M2 |
| Molybdenum | 0.0539 | 0.0005 | mg/L | 0.0500 | 0.0009 | 106  | 70-130 |  |  |    |
| Selenium   | 0.285  | 0.0010 | mg/L | 0.250  | 0.0007 | 114  | 70-130 |  |  |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

### Dissolved Metals by ICPMS - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251427 - Dissolved ICPMS (Continued)

##### Matrix Spike (B251427-MS1) (Continued)

Source: 2505314-01 Prepared & Analyzed: 05/28/25

|         |        |        |      |        |        |      |        |  |  |  |
|---------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Uranium | 0.0498 | 0.0005 | mg/L | 0.0500 | 0.0002 | 99.3 | 70-130 |  |  |  |
| Zinc    | 0.0909 | 0.0020 | mg/L | 0.0500 | 0.0542 | 73.4 | 70-130 |  |  |  |

##### Matrix Spike (B251427-MS2)

Source: 2505314-02 Prepared & Analyzed: 05/28/25

|            |        |        |      |        |        |      |        |  |  |  |
|------------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Arsenic    | 0.0535 | 0.0010 | mg/L | 0.0500 | ND     | 107  | 70-130 |  |  |  |
| Cadmium    | 0.0504 | 0.0005 | mg/L | 0.0500 | ND     | 101  | 70-130 |  |  |  |
| Copper     | 0.0434 | 0.0010 | mg/L | 0.0500 | ND     | 86.9 | 70-130 |  |  |  |
| Lead       | 0.0489 | 0.0005 | mg/L | 0.0500 | ND     | 97.9 | 70-130 |  |  |  |
| Manganese  | 0.0627 | 0.0005 | mg/L | 0.0500 | 0.0198 | 85.7 | 70-130 |  |  |  |
| Molybdenum | 0.0523 | 0.0005 | mg/L | 0.0500 | 0.0013 | 102  | 70-130 |  |  |  |
| Selenium   | 0.278  | 0.0010 | mg/L | 0.250  | 0.0006 | 111  | 70-130 |  |  |  |
| Uranium    | 0.0564 | 0.0005 | mg/L | 0.0500 | 0.0002 | 112  | 70-130 |  |  |  |
| Zinc       | 0.0513 | 0.0020 | mg/L | 0.0500 | 0.0043 | 94.0 | 70-130 |  |  |  |

##### Matrix Spike Dup (B251427-MSD1)

Source: 2505314-01 Prepared & Analyzed: 05/28/25

|            |        |        |      |        |        |      |        |       |    |  |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|--|
| Arsenic    | 0.0553 | 0.0010 | mg/L | 0.0500 | ND     | 111  | 70-130 | 0.915 | 20 |  |
| Cadmium    | 0.0496 | 0.0005 | mg/L | 0.0500 | 0.0003 | 98.5 | 70-130 | 0.284 | 20 |  |
| Copper     | 0.0379 | 0.0010 | mg/L | 0.0500 | 0.0020 | 71.9 | 70-130 | 0.395 | 20 |  |
| Lead       | 0.0406 | 0.0005 | mg/L | 0.0500 | ND     | 81.2 | 70-130 | 4.84  | 20 |  |
| Manganese  | 0.147  | 0.0005 | mg/L | 0.0500 | 0.111  | 71.6 | 70-130 | 1.85  | 20 |  |
| Molybdenum | 0.0543 | 0.0005 | mg/L | 0.0500 | 0.0009 | 107  | 70-130 | 0.764 | 20 |  |
| Selenium   | 0.282  | 0.0010 | mg/L | 0.250  | 0.0007 | 112  | 70-130 | 1.06  | 20 |  |
| Uranium    | 0.0471 | 0.0005 | mg/L | 0.0500 | 0.0002 | 93.8 | 70-130 | 5.63  | 20 |  |
| Zinc       | 0.0919 | 0.0020 | mg/L | 0.0500 | 0.0542 | 75.4 | 70-130 | 1.10  | 20 |  |

##### Matrix Spike Dup (B251427-MSD2)

Source: 2505314-02 Prepared & Analyzed: 05/28/25

|            |        |        |      |        |        |      |        |        |    |  |
|------------|--------|--------|------|--------|--------|------|--------|--------|----|--|
| Arsenic    | 0.0538 | 0.0010 | mg/L | 0.0500 | ND     | 108  | 70-130 | 0.695  | 20 |  |
| Cadmium    | 0.0501 | 0.0005 | mg/L | 0.0500 | ND     | 100  | 70-130 | 0.604  | 20 |  |
| Copper     | 0.0433 | 0.0010 | mg/L | 0.0500 | ND     | 86.6 | 70-130 | 0.336  | 20 |  |
| Lead       | 0.0489 | 0.0005 | mg/L | 0.0500 | ND     | 97.8 | 70-130 | 0.0593 | 20 |  |
| Manganese  | 0.0627 | 0.0005 | mg/L | 0.0500 | 0.0198 | 85.7 | 70-130 | 0.0264 | 20 |  |
| Molybdenum | 0.0526 | 0.0005 | mg/L | 0.0500 | 0.0013 | 103  | 70-130 | 0.572  | 20 |  |
| Selenium   | 0.278  | 0.0010 | mg/L | 0.250  | 0.0006 | 111  | 70-130 | 0.118  | 20 |  |
| Uranium    | 0.0557 | 0.0005 | mg/L | 0.0500 | 0.0002 | 111  | 70-130 | 1.24   | 20 |  |
| Zinc       | 0.0515 | 0.0020 | mg/L | 0.0500 | 0.0043 | 94.4 | 70-130 | 0.373  | 20 |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

### Dissolved Mercury by CVAFS - Quality Control

| Analyte                                | Result | Reporting Limit | Units | Spike Level                                              | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|----------------------------------------|--------|-----------------|-------|----------------------------------------------------------|---------------|------|-------------|-------|-----------|-------|
| <b>Batch B251419 - EPA 245.7</b>       |        |                 |       |                                                          |               |      |             |       |           |       |
| <b>Blank (B251419-BLK1)</b>            |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Prepared: 05/27/25 Analyzed: 05/28/25                    |               |      |             |       |           |       |
| Mercury                                | ND     | 100             | ng/L  |                                                          |               |      |             |       |           |       |
| <b>LCS (B251419-BS1)</b>               |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Prepared: 05/27/25 Analyzed: 05/28/25                    |               |      |             |       |           |       |
| Mercury                                | 933    | 100             | ng/L  | 1000                                                     |               | 93.3 | 76-113      |       |           |       |
| <b>LCS Dup (B251419-BSD1)</b>          |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Prepared: 05/27/25 Analyzed: 05/28/25                    |               |      |             |       |           |       |
| Mercury                                | 892    | 100             | ng/L  | 1000                                                     |               | 89.2 | 76-113      | 4.50  | 20        |       |
| <b>Matrix Spike (B251419-MS1)</b>      |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505242-03 Prepared: 05/27/25 Analyzed: 05/28/25 |               |      |             |       |           |       |
| Mercury                                | 818    | 100             | ng/L  | 1000                                                     | ND            | 81.8 | 63-111      |       |           |       |
| <b>Matrix Spike (B251419-MS2)</b>      |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505243-01 Prepared: 05/27/25 Analyzed: 05/28/25 |               |      |             |       |           |       |
| Mercury                                | 822    | 100             | ng/L  | 1000                                                     | ND            | 82.2 | 63-111      |       |           |       |
| <b>Matrix Spike Dup (B251419-MSD1)</b> |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505242-03 Prepared: 05/27/25 Analyzed: 05/28/25 |               |      |             |       |           |       |
| Mercury                                | 869    | 100             | ng/L  | 1000                                                     | ND            | 86.9 | 63-111      | 6.00  | 200       |       |
| <b>Matrix Spike Dup (B251419-MSD2)</b> |        |                 |       |                                                          |               |      |             |       |           |       |
|                                        |        |                 |       | Source: 2505243-01 Prepared: 05/27/25 Analyzed: 05/28/25 |               |      |             |       |           |       |
| Mercury                                | 830    | 100             | ng/L  | 1000                                                     | ND            | 83.0 | 63-111      | 0.955 | 200       |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

### Notes and Definitions

|     |                                                                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M3  | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| M2  | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| M1  | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |
| DET | Analyte DETECTED                                                                                                                                                                   |
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                                               |
| NR  | Not Reported                                                                                                                                                                       |
| dry | Sample results reported on a dry weight basis<br>*Results reported on as received basis unless designated as dry.                                                                  |
| RPD | Relative Percent Difference                                                                                                                                                        |
| LCS | Laboratory Control Sample (Blank Spike)                                                                                                                                            |
| RL  | Report Limit                                                                                                                                                                       |
| MDL | Method Detection Limit                                                                                                                                                             |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/03/25 08:24

### Qualifier Summary

| <u>LabNumber</u> | <u>Analysis</u>          | <u>Analyte</u>                         | <u>Qualifier</u> | <u>TextBody</u>                                                                                                                                                                    |
|------------------|--------------------------|----------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B251358-MS1      | Calcium Dissolved by ICP | Calcium                                | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MS2      | Calcium Dissolved by ICP | Calcium                                | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MS2      | Sodium Dissolved by ICP  | Sodium                                 | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MSD1     | Calcium Dissolved by ICP | Calcium                                | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MSD1     | Sodium Dissolved by ICP  | Sodium                                 | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MSD2     | Calcium Dissolved by ICP | Calcium                                | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251358-MSD2     | Sodium Dissolved by ICP  | Sodium                                 | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251408-MS1      | Sulfate [IC]             | Sulfate                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MS2      | Chloride [IC]            | Chloride                               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MS2      | Fluoride [IC]            | Fluoride                               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MS2      | Sulfate [IC]             | Sulfate                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MSD1     | Sulfate [IC]             | Sulfate                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MSD2     | Chloride [IC]            | Chloride                               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MSD2     | Fluoride [IC]            | Fluoride                               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251408-MSD2     | Sulfate [IC]             | Sulfate                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251426-MS1      | Alkalinity, Total        | Alkalinity, Total as CaCO <sub>3</sub> | M1               | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline

Project Name / Number: [none]

Project Manager: Michael Dickson

**Reported:**

06/03/25 08:24

|                     |                              |                                        |    |                                                                                                                                                                                    |
|---------------------|------------------------------|----------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>B251426-MS2</b>  | Alkalinity, Total            | Alkalinity, Total as CaCO <sub>3</sub> | M2 | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| <b>B251426-MSD1</b> | Alkalinity, Total            | Alkalinity, Total as CaCO <sub>3</sub> | M1 | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |
| <b>B251426-MSD2</b> | Alkalinity, Total            | Alkalinity, Total as CaCO <sub>3</sub> | M2 | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| <b>B251427-MS1</b>  | Manganese Dissolved by ICPMS | Manganese                              | M2 | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





75 Suttle Street  
Durango, CO 81303  
(970) 247-4220

Table of Contents

Note: Write-Out™ or similar products cannot be used on the Chain of Custody

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006, R 8.0

Company or Client: GCC Energy

Address: 6473 CR 120

City: Hesperus

State: CO

Zip: 81326

Phone #: 970.385.4528

Contact Person: Michael Dickson for billing; Landon Beck for logistical or technical

Email Report to: mdickson@gcc.com; lbeck@strconsulting.com; tom@hayguishservices.com

Project Name(optional):

Sampler Name (Print):

Brandon Waddell

Bill to (if different):

ANALYSIS REQUEST

P.O. #:

Rush?

Y ☒ N

Collected

Matrix (check one)

# of containers

Lab I.D.

Sample Name or Location

2565-243

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)

9)

10)

1) MW-4-A

2) MW-4-C

3) MW-4-MI

4)

5)

6)

7)

8)



Date/Initials of person examining contents: 3.13.10  
CDVLabeled by initials: \_\_\_\_\_  
(if different than above)

## SAMPLE CONDITION RECEIPT FORM

Client Name: GCC EnergyWork Order # 2505-243Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ OtherCustody Seals on Box/Cooler Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: \_\_\_\_\_Thermometer Used: #2 Samples on ice, cooling process has begun: ☒ Yes ☐ NoType of Ice: ☒ Wet ☐ Blue ☐ None Cooler Temp: Observed Temp: 4.1 °C Correction Factor: -1.9 °C Final Temp: 3.2 °C

\*Temp should be above freezing 6°C

Compliance: ☐ Yes ☒ No

|                                                                                     |                                                                                                  |                 |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------|
| Chain of Custody Filled Out:                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 1.              |
| COC Signed when Relinquished and Received:                                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 2.              |
| Sampler Name and Signature on COC:<br>*Required for compliance                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 3.              |
| Samples arrived within hold time:                                                   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 4.              |
| Correct Containers Used & Intact:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5.              |
| Short Hold Time Analysis (<72hr):                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 6. <u>pH</u>    |
| Rush Turn Around Time Requested:                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 7.              |
| Sufficient Volume:                                                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 8.              |
| pH's acceptable upon receipt, where applicable:<br>*Not including metals bottles    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9.              |
| Dissolved Testing Needed:                                                           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 10. <u>0.99</u> |
| Field Filtered: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                  |                 |
| Sample Labels match COC:<br>-Includes Date/Time/ID                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 11.             |
| Matrix:                                                                             | <input checked="" type="checkbox"/> WD <input type="checkbox"/> SL <input type="checkbox"/> OT   |                 |
| Trip Blank Present:                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 12.             |
| Trip Blank Custody Seals Present:                                                   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A |                 |
| VOA's meet headspace requirement (<6mm bubbles)                                     | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A |                 |
| Non-Conformance(s):                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 13.             |

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
jeremy.allen@greenanalytical.com

09 June 2025

Michael Dickson  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: [none]

Enclosed are the results of analyses for samples received by the laboratory on 05/27/25 16:06. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, reading 'Jeremy D. Allen', is displayed on a light blue rectangular background.

Report Station For Jeremy D Allen  
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Samples in Report                | 3  |
| Sample Results                   | 4  |
| 2505366-01: Well #1 Upgradient   | 4  |
| 2505366-02: Well #2 Downgradient | 6  |
| Quality Assurance Results        | 8  |
| Notes and Definitions            | 15 |
| Qualifier Summary                | 16 |
| Chain of Custody & Attachments   | 17 |



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/09/25 10:55

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID            | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|----------------------|---------------|--------|----------------|----------------|-------|
| Well #1 Upgradient   | 2505366-01    | Water  | 05/27/25 11:02 | 05/27/25 16:06 |       |
| Well #2 Downgradient | 2505366-02    | Water  | 05/27/25 12:09 | 05/27/25 16:06 |       |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/09/25 10:55

### Well #1 Upgradient

**2505366-01 (Ground Water)**

**Sampled Date: 05/27/25 11:02**

**Sampled By: Brandon Waddell**

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

#### General Chemistry

|                                                |        |       |        |           |   |                |                       |  |     |
|------------------------------------------------|--------|-------|--------|-----------|---|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 640    | 10.0  | 5.55   | mg/L      | 5 | 06/06/25 17:10 | 2320 B                |  | AES |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5 | 06/06/25 17:10 | 2320 B                |  | AES |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5 | 06/06/25 17:10 | 2320 B                |  | AES |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 640    | 10.0  | 5.55   | mg/L      | 5 | 06/06/25 17:10 | 2320 B                |  | AES |
| Cation/Anion Balance                           | -4.60  | -100  | -100   | %         | 1 | 05/29/25 17:27 | Calculation           |  | JDA |
| Chloride*                                      | 4.86   | 1.00  | 0.497  | mg/L      | 1 | 06/05/25 20:58 | EPA 300.0             |  | AWG |
| Fluoride*                                      | 0.342  | 0.100 | 0.0336 | mg/L      | 1 | 06/05/25 20:58 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.040 | 0.040 | 0.014  | mg/L as N | 2 | 05/28/25 12:46 | EPA 353.2             |  | HIC |
| pH*                                            | 7.42   |       |        | pH Units  | 1 | 05/28/25 17:20 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 20.3   |       |        | pH Units  | 1 | 05/28/25 17:20 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | 130    | 1.00  | 0.563  | mg/L      | 1 | 06/05/25 20:58 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 770    | 10.0  |        | mg/L      | 1 | 05/28/25 16:22 | EPA 160.1/SM<br>2540C |  | HIC |
| Total Organic Carbon*                          | 3.35   | 0.500 | 0.220  | mg/L      | 1 | 05/30/25 00:14 | 5310C                 |  | AES |

#### Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.178  | mg/L | 5 | 06/04/25 14:53 | EPA 200.7   |  | AWG |
| Calcium*                      | 64.2   | 0.500 | 0.362  | mg/L | 5 | 06/04/25 14:53 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 350    | 3.31  | 2.54   | mg/L | 5 | 06/04/25 14:53 | 2340 B      |  | AWG |
| Iron*                         | 0.454  | 0.050 | 0.035  | mg/L | 1 | 06/05/25 14:57 | EPA 200.7   |  | AWG |
| Magnesium*                    | 46.0   | 0.500 | 0.397  | mg/L | 5 | 06/04/25 14:53 | EPA 200.7   |  | AWG |
| Potassium*                    | <5.00  | 5.00  | 0.906  | mg/L | 5 | 06/04/25 14:53 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 2.58   | 1.07  | 0.0208 | mg/L | 1 | 06/05/25 14:57 | Calculation |  | AWG |
| Silicon                       | 1.20   | 0.500 | 0.010  | mg/L | 1 | 06/05/25 14:57 | EPA 200.7   |  | AWG |
| Sodium*                       | 160    | 5.00  | 3.78   | mg/L | 5 | 06/04/25 14:53 | EPA 200.7   |  | AWG |

#### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |           |  |     |
|-------------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Arsenic*    | <0.0020 | 0.0020 | 0.0008  | mg/L | 2 | 06/02/25 17:25 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 06/02/25 17:25 | EPA 200.8 |  | AES |
| Copper*     | 0.0058  | 0.0020 | 0.0015  | mg/L | 2 | 06/02/25 17:25 | EPA 200.8 |  | AES |
| Lead*       | <0.0010 | 0.0010 | 0.0002  | mg/L | 2 | 06/02/25 17:25 | EPA 200.8 |  | AES |
| Manganese*  | 0.522   | 0.0010 | 0.0004  | mg/L | 2 | 06/02/25 17:25 | EPA 200.8 |  | AES |
| Molybdenum* | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 06/02/25 17:25 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/09/25 10:55

### Well #1 Upgradient

**2505366-01 (Ground Water)**

**Sampled Date: 05/27/25 11:02**

**Sampled By: Brandon Waddell**

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

#### Dissolved Metals by ICPMS

|           |         |        |         |      |   |                |           |  |     |
|-----------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Selenium* | 0.0160  | 0.0020 | 0.0007  | mg/L | 2 | 06/02/25 17:25 | EPA 200.8 |  | AES |
| Uranium   | <0.0010 | 0.0010 | 0.00005 | mg/L | 2 | 06/02/25 17:25 | EPA 200.8 |  | AES |
| Zinc*     | 0.0086  | 0.0040 | 0.0010  | mg/L | 2 | 06/02/25 17:25 | EPA 200.8 |  | AES |

#### Dissolved Mercury by CVAFS

|         |      |     |      |      |   |                |           |  |     |
|---------|------|-----|------|------|---|----------------|-----------|--|-----|
| Mercury | <100 | 100 | 19.6 | ng/L | 1 | 06/05/25 16:38 | EPA 245.7 |  | AES |
|---------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/09/25 10:55

## Well #2 Downgradient

**2505366-02 (Ground Water)**

**Sampled Date: 05/27/25 12:09**

**Sampled By: Brandon Waddell**

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

### General Chemistry

|                                                |        |       |        |           |    |                |                       |  |     |
|------------------------------------------------|--------|-------|--------|-----------|----|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 390    | 10.0  | 5.55   | mg/L      | 5  | 06/06/25 17:10 | 2320 B                |  | AES |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5  | 06/06/25 17:10 | 2320 B                |  | AES |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5  | 06/06/25 17:10 | 2320 B                |  | AES |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 390    | 10.0  | 5.55   | mg/L      | 5  | 06/06/25 17:10 | 2320 B                |  | AES |
| Cation/Anion Balance                           | -2.49  | -100  | -100   | %         | 1  | 05/29/25 17:27 | Calculation           |  | JDA |
| Chloride*                                      | 50.7   | 1.00  | 0.497  | mg/L      | 1  | 06/05/25 21:46 | EPA 300.0             |  | AWG |
| Fluoride*                                      | 0.222  | 0.100 | 0.0336 | mg/L      | 1  | 06/05/25 21:46 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007  | mg/L as N | 1  | 05/28/25 12:50 | EPA 353.2             |  | HIC |
| pH*                                            | 7.47   |       |        | pH Units  | 1  | 05/28/25 17:20 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 19.9   |       |        | pH Units  | 1  | 05/28/25 17:20 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | 208    | 10.0  | 5.63   | mg/L      | 10 | 06/05/25 22:11 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 725    | 10.0  |        | mg/L      | 1  | 05/28/25 16:24 | EPA 160.1/SM<br>2540C |  | HIC |
| Total Organic Carbon*                          | 1.52   | 0.500 | 0.220  | mg/L      | 1  | 05/30/25 00:33 | 5310C                 |  | AES |

### Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 06/04/25 14:55 | EPA 200.7   |  | AWG |
| Calcium*                      | 78.0   | 0.100 | 0.072  | mg/L | 1 | 06/04/25 14:55 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 539    | 0.662 | 0.507  | mg/L | 1 | 06/04/25 14:55 | 2340 B      |  | AWG |
| Iron*                         | <0.050 | 0.050 | 0.035  | mg/L | 1 | 06/05/25 14:59 | EPA 200.7   |  | AWG |
| Magnesium*                    | 83.7   | 0.100 | 0.079  | mg/L | 1 | 06/04/25 14:55 | EPA 200.7   |  | AWG |
| Potassium*                    | 2.51   | 1.00  | 0.181  | mg/L | 1 | 06/04/25 14:55 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 11.0   | 1.07  | 0.0208 | mg/L | 1 | 06/05/25 14:59 | Calculation |  | AWG |
| Silicon                       | 5.12   | 0.500 | 0.010  | mg/L | 1 | 06/05/25 14:59 | EPA 200.7   |  | AWG |
| Sodium*                       | 30.1   | 1.00  | 0.756  | mg/L | 1 | 06/04/25 14:55 | EPA 200.7   |  | AWG |

### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |           |  |     |
|-------------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Arsenic*    | <0.0020 | 0.0020 | 0.0008  | mg/L | 2 | 06/02/25 17:26 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 06/02/25 17:26 | EPA 200.8 |  | AES |
| Copper*     | 0.0053  | 0.0020 | 0.0015  | mg/L | 2 | 06/02/25 17:26 | EPA 200.8 |  | AES |
| Lead*       | <0.0010 | 0.0010 | 0.0002  | mg/L | 2 | 06/02/25 17:26 | EPA 200.8 |  | AES |
| Manganese*  | 0.399   | 0.0010 | 0.0004  | mg/L | 2 | 06/02/25 17:26 | EPA 200.8 |  | AES |
| Molybdenum* | 0.0031  | 0.0010 | 0.00009 | mg/L | 2 | 06/02/25 17:26 | EPA 200.8 |  | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/09/25 10:55

### Well #2 Downgradient

**2505366-02 (Ground Water)**

**Sampled Date: 05/27/25 12:09**

**Sampled By: Brandon Waddell**

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

#### Dissolved Metals by ICPMS

|           |               |        |         |      |   |                |           |  |     |
|-----------|---------------|--------|---------|------|---|----------------|-----------|--|-----|
| Selenium* | <0.0020       | 0.0020 | 0.0007  | mg/L | 2 | 06/02/25 17:26 | EPA 200.8 |  | AES |
| Uranium   | <b>0.0019</b> | 0.0010 | 0.00005 | mg/L | 2 | 06/02/25 17:26 | EPA 200.8 |  | AES |
| Zinc*     | <b>0.0133</b> | 0.0040 | 0.0010  | mg/L | 2 | 06/02/25 17:26 | EPA 200.8 |  | AES |

#### Dissolved Mercury by CVAFS

|         |      |     |      |      |   |                |           |  |     |
|---------|------|-----|------|------|---|----------------|-----------|--|-----|
| Mercury | <100 | 100 | 19.6 | ng/L | 1 | 06/05/25 16:41 | EPA 245.7 |  | AES |
|---------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/09/25 10:55

### General Chemistry - Quality Control

| Analyte                                        | Result | Reporting Limit | Units     | Spike Level                                      | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|------------------------------------------------|--------|-----------------|-----------|--------------------------------------------------|---------------|------|-------------|-------|-----------|-------|
| <b>Batch B251287 - Lachat</b>                  |        |                 |           |                                                  |               |      |             |       |           |       |
| <b>Blank (B251287-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 05/28/25                    |               |      |             |       |           |       |
| Nitrate/Nitrite as N                           | ND     | 0.020           | mg/L as N |                                                  |               |      |             |       |           |       |
| <b>LCS (B251287-BS1)</b>                       |        |                 |           | Prepared & Analyzed: 05/28/25                    |               |      |             |       |           |       |
| Nitrate/Nitrite as N                           | 1.02   | 0.020           | mg/L as N | 1.00                                             |               | 102  | 90-110      |       |           |       |
| <b>LCS Dup (B251287-BSD1)</b>                  |        |                 |           | Prepared & Analyzed: 05/28/25                    |               |      |             |       |           |       |
| Nitrate/Nitrite as N                           | 1.02   | 0.020           | mg/L as N | 1.00                                             |               | 102  | 90-110      | 0.490 | 20        |       |
| <b>Matrix Spike (B251287-MS1)</b>              |        |                 |           | Source: 2505351-01 Prepared & Analyzed: 05/28/25 |               |      |             |       |           |       |
| Nitrate/Nitrite as N                           | 1.14   | 0.020           | mg/L as N | 1.00                                             | 0.150         | 98.8 | 90-110      |       |           |       |
| <b>Matrix Spike (B251287-MS2)</b>              |        |                 |           | Source: 2505354-01 Prepared & Analyzed: 05/28/25 |               |      |             |       |           |       |
| Nitrate/Nitrite as N                           | 1.16   | 0.020           | mg/L as N | 1.00                                             | 0.171         | 98.8 | 90-110      |       |           |       |
| <b>Matrix Spike Dup (B251287-MSD1)</b>         |        |                 |           | Source: 2505351-01 Prepared & Analyzed: 05/28/25 |               |      |             |       |           |       |
| Nitrate/Nitrite as N                           | 1.15   | 0.020           | mg/L as N | 1.00                                             | 0.150         | 100  | 90-110      | 1.14  | 20        |       |
| <b>Matrix Spike Dup (B251287-MSD2)</b>         |        |                 |           | Source: 2505354-01 Prepared & Analyzed: 05/28/25 |               |      |             |       |           |       |
| Nitrate/Nitrite as N                           | 1.17   | 0.020           | mg/L as N | 1.00                                             | 0.171         | 100  | 90-110      | 1.12  | 20        |       |
| <b>Batch B251433 - General Prep - Wet Chem</b> |        |                 |           |                                                  |               |      |             |       |           |       |
| <b>Blank (B251433-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 05/29/25                    |               |      |             |       |           |       |
| Total Organic Carbon                           | ND     | 0.500           | mg/L      |                                                  |               |      |             |       |           |       |
| <b>LCS (B251433-BS1)</b>                       |        |                 |           | Prepared & Analyzed: 05/29/25                    |               |      |             |       |           |       |
| Total Organic Carbon                           | 9.72   | 0.500           | mg/L      | 10.0                                             |               | 97.2 | 85-115      |       |           |       |
| <b>LCS Dup (B251433-BSD1)</b>                  |        |                 |           | Prepared & Analyzed: 05/29/25                    |               |      |             |       |           |       |
| Total Organic Carbon                           | 9.70   | 0.500           | mg/L      | 10.0                                             |               | 97.0 | 85-115      | 0.237 | 20        |       |
| <b>Matrix Spike (B251433-MS1)</b>              |        |                 |           | Source: 2505259-13 Prepared & Analyzed: 05/29/25 |               |      |             |       |           |       |
| Total Organic Carbon                           | 11.2   | 0.500           | mg/L      | 10.0                                             | 1.90          | 93.1 | 80-120      |       |           |       |
| <b>Matrix Spike (B251433-MS2)</b>              |        |                 |           | Source: 2505259-14 Prepared & Analyzed: 05/29/25 |               |      |             |       |           |       |
| Total Organic Carbon                           | 11.4   | 0.500           | mg/L      | 10.0                                             | 2.07          | 93.2 | 80-120      |       |           |       |
| <b>Matrix Spike Dup (B251433-MSD1)</b>         |        |                 |           | Source: 2505259-13 Prepared & Analyzed: 05/29/25 |               |      |             |       |           |       |
| Total Organic Carbon                           | 11.4   | 0.500           | mg/L      | 10.0                                             | 1.90          | 95.0 | 80-120      | 1.68  | 20        |       |
| <b>Matrix Spike Dup (B251433-MSD2)</b>         |        |                 |           | Source: 2505259-14 Prepared & Analyzed: 05/29/25 |               |      |             |       |           |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/09/25 10:55

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251433 - General Prep - Wet Chem (Continued)

##### Matrix Spike Dup (B251433-MSD2) (Continued) Source: 2505259-14 Prepared & Analyzed: 05/29/25

|                      |      |       |      |      |      |      |        |      |    |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|
| Total Organic Carbon | 11.6 | 0.500 | mg/L | 10.0 | 2.07 | 95.4 | 80-120 | 1.91 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|

#### Batch B251435 - General Prep - Wet Chem

##### Blank (B251435-BLK1) Prepared & Analyzed: 05/28/25

|                        |    |      |      |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|
| Total Dissolved Solids | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|

##### Duplicate (B251435-DUP1) Source: 2505312-01 Prepared & Analyzed: 05/28/25

|                        |     |      |      |  |     |  |  |      |    |  |
|------------------------|-----|------|------|--|-----|--|--|------|----|--|
| Total Dissolved Solids | 850 | 10.0 | mg/L |  | 875 |  |  | 2.90 | 20 |  |
|------------------------|-----|------|------|--|-----|--|--|------|----|--|

##### Reference (B251435-SRM1) Prepared & Analyzed: 05/28/25

|                        |     |      |      |     |  |      |        |  |  |  |
|------------------------|-----|------|------|-----|--|------|--------|--|--|--|
| Total Dissolved Solids | 365 | 10.0 | mg/L | 400 |  | 91.2 | 85-115 |  |  |  |
|------------------------|-----|------|------|-----|--|------|--------|--|--|--|

#### Batch B251462 - General Prep - Wet Chem

##### Duplicate (B251462-DUP1) Source: 2505369-08 Prepared & Analyzed: 05/28/25

|                           |      |  |          |  |      |  |  |       |     |  |
|---------------------------|------|--|----------|--|------|--|--|-------|-----|--|
| pH                        | 7.29 |  | pH Units |  | 7.27 |  |  | 0.275 | 20  |  |
| pH Temperature, degrees C | 19.0 |  | pH Units |  | 18.9 |  |  | 0.528 | 200 |  |

##### Reference (B251462-SRM1) Prepared & Analyzed: 05/28/25

|    |      |  |          |      |  |      |              |  |  |  |
|----|------|--|----------|------|--|------|--------------|--|--|--|
| pH | 6.90 |  | pH Units | 7.00 |  | 98.6 | 98.57-101.42 |  |  |  |
|----|------|--|----------|------|--|------|--------------|--|--|--|

#### Batch B251535 - IC- Ion Chromatograph

##### Blank (B251535-BLK1) Prepared & Analyzed: 06/05/25

|          |    |       |      |  |  |  |  |  |  |  |
|----------|----|-------|------|--|--|--|--|--|--|--|
| Chloride | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Fluoride | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Sulfate  | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251535-BS1) Prepared & Analyzed: 06/05/25

|          |      |       |      |      |  |      |        |  |  |  |
|----------|------|-------|------|------|--|------|--------|--|--|--|
| Chloride | 24.4 | 1.00  | mg/L | 25.0 |  | 97.6 | 90-110 |  |  |  |
| Fluoride | 2.56 | 0.100 | mg/L | 2.50 |  | 102  | 90-110 |  |  |  |
| Sulfate  | 24.9 | 1.00  | mg/L | 25.0 |  | 99.6 | 90-110 |  |  |  |

##### LCS Dup (B251535-BSD1) Prepared & Analyzed: 06/05/25

|          |      |       |      |      |  |      |        |       |    |  |
|----------|------|-------|------|------|--|------|--------|-------|----|--|
| Chloride | 24.6 | 1.00  | mg/L | 25.0 |  | 98.6 | 90-110 | 0.979 | 20 |  |
| Fluoride | 2.59 | 0.100 | mg/L | 2.50 |  | 103  | 90-110 | 1.01  | 20 |  |
| Sulfate  | 25.1 | 1.00  | mg/L | 25.0 |  | 101  | 90-110 | 0.939 | 20 |  |

##### Matrix Spike (B251535-MS1) Source: 2505351-01 Prepared & Analyzed: 06/05/25

|          |      |       |      |      |       |      |        |  |  |  |
|----------|------|-------|------|------|-------|------|--------|--|--|--|
| Chloride | 26.1 | 1.00  | mg/L | 25.0 | 2.37  | 94.9 | 85-115 |  |  |  |
| Fluoride | 2.48 | 0.100 | mg/L | 2.50 | 0.100 | 95.0 | 85-115 |  |  |  |
| Sulfate  | 54.8 | 1.00  | mg/L | 25.0 | 33.2  | 86.3 | 85-115 |  |  |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/09/25 10:55

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251535 - IC- Ion Chromatograph (Continued)

| Matrix Spike (B251535-MS2)      |      |       | Source: 2506023-01 |      | Prepared: 06/05/25            |      | Analyzed: 06/06/25 |         |    |    |
|---------------------------------|------|-------|--------------------|------|-------------------------------|------|--------------------|---------|----|----|
| Chloride                        | 31.4 | 1.00  | mg/L               | 25.0 | 7.16                          | 97.1 | 85-115             |         |    | M2 |
| Fluoride                        | 5.55 | 0.500 | mg/L               | 2.50 | 3.55                          | 80.1 | 85-115             |         |    |    |
| Sulfate                         | 57.6 | 1.00  | mg/L               | 25.0 | 33.6                          | 96.1 | 85-115             |         |    |    |
| Matrix Spike Dup (B251535-MSD1) |      |       | Source: 2505351-01 |      | Prepared & Analyzed: 06/05/25 |      |                    |         |    |    |
| Chloride                        | 26.1 | 1.00  | mg/L               | 25.0 | 2.37                          | 94.9 | 85-115             | 0.00383 | 20 |    |
| Fluoride                        | 2.47 | 0.100 | mg/L               | 2.50 | 0.100                         | 95.0 | 85-115             | 0.0808  | 20 |    |
| Sulfate                         | 55.1 | 1.00  | mg/L               | 25.0 | 33.2                          | 87.5 | 85-115             | 0.545   | 20 |    |
| Matrix Spike Dup (B251535-MSD2) |      |       | Source: 2506023-01 |      | Prepared: 06/05/25            |      | Analyzed: 06/06/25 |         |    |    |
| Chloride                        | 31.4 | 1.00  | mg/L               | 25.0 | 7.16                          | 97.0 | 85-115             | 0.0700  | 20 | M2 |
| Fluoride                        | 5.65 | 0.500 | mg/L               | 2.50 | 3.55                          | 84.1 | 85-115             | 1.79    | 20 |    |
| Sulfate                         | 57.6 | 1.00  | mg/L               | 25.0 | 33.6                          | 96.2 | 85-115             | 0.0208  | 20 |    |

#### Batch B251563 - General Prep - Wet Chem

|                                        |     |      |                               |     |                               |      |        |      |    |    |
|----------------------------------------|-----|------|-------------------------------|-----|-------------------------------|------|--------|------|----|----|
| <b>Blank (B251563-BLK1)</b>            |     |      | Prepared & Analyzed: 06/06/25 |     |                               |      |        |      |    |    |
| Alkalinity, Bicarbonate as CaCO3       | ND  | 10.0 | mg/L                          |     |                               |      |        |      |    |    |
| Alkalinity, Carbonate as CaCO3         | ND  | 10.0 | mg/L                          |     |                               |      |        |      |    |    |
| Alkalinity, Hydroxide as CaCO3         | ND  | 10.0 | mg/L                          |     |                               |      |        |      |    |    |
| Alkalinity, Total as CaCO3             | ND  | 10.0 | mg/L                          |     |                               |      |        |      |    |    |
| <b>LCS (B251563-BS1)</b>               |     |      | Prepared & Analyzed: 06/06/25 |     |                               |      |        |      |    |    |
| Alkalinity, Total as CaCO3             | 107 | 10.0 | mg/L                          | 100 |                               | 107  | 85-115 |      |    |    |
| <b>LCS Dup (B251563-BSD1)</b>          |     |      | Prepared & Analyzed: 06/06/25 |     |                               |      |        |      |    |    |
| Alkalinity, Total as CaCO3             | 102 | 10.0 | mg/L                          | 100 |                               | 102  | 85-115 | 4.78 | 20 |    |
| <b>Matrix Spike (B251563-MS1)</b>      |     |      | <b>Source: 2505368-01</b>     |     | Prepared & Analyzed: 06/06/25 |      |        |      |    |    |
| Alkalinity, Total as CaCO3             | 310 | 10.0 | mg/L                          | 100 | 197                           | 113  | 80-120 |      |    |    |
| <b>Matrix Spike (B251563-MS2)</b>      |     |      | <b>Source: 2506023-01</b>     |     | Prepared & Analyzed: 06/06/25 |      |        |      |    |    |
| Alkalinity, Total as CaCO3             | 310 | 10.0 | mg/L                          | 100 | 215                           | 95.0 | 80-120 |      |    |    |
| <b>Matrix Spike Dup (B251563-MSD1)</b> |     |      | <b>Source: 2505368-01</b>     |     | Prepared & Analyzed: 06/06/25 |      |        |      |    |    |
| Alkalinity, Total as CaCO3             | 310 | 10.0 | mg/L                          | 100 | 197                           | 113  | 80-120 | 0.00 | 20 |    |
| <b>Matrix Spike Dup (B251563-MSD2)</b> |     |      | <b>Source: 2506023-01</b>     |     | Prepared & Analyzed: 06/06/25 |      |        |      |    |    |
| Alkalinity, Total as CaCO3             | 350 | 10.0 | mg/L                          | 100 | 215                           | 135  | 80-120 | 12.1 | 20 | M1 |
| <b>Reference (B251563-SRM1)</b>        |     |      | Prepared & Analyzed: 06/06/25 |     |                               |      |        |      |    |    |
| Alkalinitv, Total as CaCO3             | 109 | 10.0 | mg/L                          | 100 |                               | 109  | 85-115 |      |    |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/09/25 10:55

### Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251492 - Dissolved ICP

##### Blank (B251492-BLK1)

Prepared: 06/02/25 Analyzed: 06/04/25

|           |    |       |      |  |  |  |  |  |  |  |
|-----------|----|-------|------|--|--|--|--|--|--|--|
| Aluminum  | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Calcium   | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Iron      | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Magnesium | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Potassium | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Silicon   | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
| Sodium    | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251492-BS1)

Prepared: 06/02/25 Analyzed: 06/04/25

|           |      |       |      |      |      |        |  |  |  |  |
|-----------|------|-------|------|------|------|--------|--|--|--|--|
| Aluminum  | 3.90 | 0.050 | mg/L | 4.00 | 97.4 | 85-115 |  |  |  |  |
| Calcium   | 3.74 | 0.100 | mg/L | 4.00 | 93.5 | 85-115 |  |  |  |  |
| Iron      | 3.98 | 0.050 | mg/L | 4.00 | 99.4 | 85-115 |  |  |  |  |
| Magnesium | 19.7 | 0.100 | mg/L | 20.0 | 98.7 | 85-115 |  |  |  |  |
| Potassium | 7.78 | 1.00  | mg/L | 8.00 | 97.2 | 85-115 |  |  |  |  |
| Silicon   | 4.00 | 0.500 | mg/L | 4.00 | 100  | 85-115 |  |  |  |  |
| Sodium    | 3.24 | 1.00  | mg/L | 3.24 | 100  | 85-115 |  |  |  |  |

##### LCS Dup (B251492-BSD1)

Prepared: 06/02/25 Analyzed: 06/04/25

|           |      |       |      |      |      |        |       |    |  |  |
|-----------|------|-------|------|------|------|--------|-------|----|--|--|
| Aluminum  | 3.95 | 0.050 | mg/L | 4.00 | 98.7 | 85-115 | 1.29  | 20 |  |  |
| Calcium   | 3.79 | 0.100 | mg/L | 4.00 | 94.7 | 85-115 | 1.27  | 20 |  |  |
| Iron      | 3.99 | 0.050 | mg/L | 4.00 | 99.8 | 85-115 | 0.349 | 20 |  |  |
| Magnesium | 20.1 | 0.100 | mg/L | 20.0 | 100  | 85-115 | 1.64  | 20 |  |  |
| Potassium | 7.82 | 1.00  | mg/L | 8.00 | 97.8 | 85-115 | 0.632 | 20 |  |  |
| Silicon   | 4.03 | 0.500 | mg/L | 4.00 | 101  | 85-115 | 0.634 | 20 |  |  |
| Sodium    | 3.21 | 1.00  | mg/L | 3.24 | 99.1 | 85-115 | 0.835 | 20 |  |  |

##### Matrix Spike (B251492-MS1)

Source: 2505375-01

Prepared: 06/02/25 Analyzed: 06/04/25

|           |      |       |      |      |       |      |        |  |  |    |
|-----------|------|-------|------|------|-------|------|--------|--|--|----|
| Aluminum  | 3.60 | 0.050 | mg/L | 4.00 | 0.086 | 87.9 | 70-130 |  |  |    |
| Calcium   | 34.9 | 0.100 | mg/L | 4.00 | 34.5  | 8.12 | 70-130 |  |  | M2 |
| Iron      | 3.72 | 0.050 | mg/L | 4.00 | 0.102 | 90.4 | 70-130 |  |  |    |
| Magnesium | 22.0 | 0.100 | mg/L | 20.0 | 4.88  | 85.5 | 70-130 |  |  |    |
| Potassium | 8.12 | 1.00  | mg/L | 8.00 | 1.21  | 86.4 | 70-130 |  |  |    |
| Silicon   | 6.44 | 0.500 | mg/L | 4.00 | 2.86  | 89.4 | 70-130 |  |  |    |
| Sodium    | 8.66 | 1.00  | mg/L | 3.24 | 6.28  | 73.3 | 70-130 |  |  |    |

##### Matrix Spike (B251492-MS2)

Source: 2505375-04

Prepared: 06/02/25 Analyzed: 06/04/25

|           |      |       |      |      |       |      |        |  |  |    |
|-----------|------|-------|------|------|-------|------|--------|--|--|----|
| Aluminum  | 4.06 | 0.050 | mg/L | 4.00 | 0.081 | 99.4 | 70-130 |  |  |    |
| Calcium   | 33.3 | 0.100 | mg/L | 4.00 | 31.9  | 35.6 | 70-130 |  |  | M2 |
| Iron      | 4.18 | 0.050 | mg/L | 4.00 | 0.080 | 103  | 70-130 |  |  |    |
| Magnesium | 24.0 | 0.100 | mg/L | 20.0 | 4.42  | 98.0 | 70-130 |  |  |    |
| Potassium | 8.90 | 1.00  | mg/L | 8.00 | 1.08  | 97.8 | 70-130 |  |  |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/09/25 10:55

**Dissolved Metals by ICP - Quality Control  
(Continued)**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch B251492 - Dissolved ICP (Continued)**

**Matrix Spike (B251492-MS2) (Continued)**

Source: 2505375-04 Prepared: 06/02/25 Analyzed: 06/05/25

|         |      |       |      |      |      |      |        |  |  |  |
|---------|------|-------|------|------|------|------|--------|--|--|--|
| Silicon | 6.91 | 0.500 | mg/L | 4.00 | 2.83 | 102  | 70-130 |  |  |  |
| Sodium  | 7.96 | 1.00  | mg/L | 3.24 | 5.00 | 91.3 | 70-130 |  |  |  |

**Matrix Spike Dup (B251492-MSD1)**

Source: 2505375-01 Prepared: 06/02/25 Analyzed: 06/04/25

|           |      |       |      |      |      |      |        |      |    |    |
|-----------|------|-------|------|------|------|------|--------|------|----|----|
| Aluminum  | 3.51 | 0.250 | mg/L | 4.00 | ND   | 87.7 | 70-130 | 2.65 | 20 |    |
| Calcium   | 35.8 | 0.500 | mg/L | 4.00 | 34.5 | 30.4 | 70-130 | 2.53 | 20 | M2 |
| Iron      | 3.66 | 0.250 | mg/L | 4.00 | ND   | 91.5 | 70-130 | 1.48 | 20 |    |
| Magnesium | 22.3 | 0.500 | mg/L | 20.0 | 4.88 | 87.0 | 70-130 | 1.31 | 20 |    |
| Potassium | 8.42 | 5.00  | mg/L | 8.00 | 1.21 | 90.1 | 70-130 | 3.57 | 20 |    |
| Silicon   | 6.34 | 2.50  | mg/L | 4.00 | 2.86 | 87.0 | 70-130 | 1.55 | 20 |    |
| Sodium    | 8.80 | 5.00  | mg/L | 3.24 | 6.28 | 77.6 | 70-130 | 1.58 | 20 |    |

**Matrix Spike Dup (B251492-MSD2)**

Source: 2505375-04 Prepared: 06/02/25 Analyzed: 06/04/25

|           |      |       |      |      |      |      |        |       |    |    |
|-----------|------|-------|------|------|------|------|--------|-------|----|----|
| Aluminum  | 3.96 | 0.250 | mg/L | 4.00 | ND   | 99.0 | 70-130 | 2.48  | 20 |    |
| Calcium   | 33.8 | 0.500 | mg/L | 4.00 | 31.9 | 46.4 | 70-130 | 1.28  | 20 | M2 |
| Iron      | 4.15 | 0.250 | mg/L | 4.00 | ND   | 104  | 70-130 | 0.726 | 20 |    |
| Magnesium | 24.0 | 0.500 | mg/L | 20.0 | 4.42 | 97.9 | 70-130 | 0.127 | 20 |    |
| Potassium | 8.98 | 5.00  | mg/L | 8.00 | 1.08 | 98.8 | 70-130 | 0.872 | 20 |    |
| Silicon   | 6.71 | 2.50  | mg/L | 4.00 | 2.83 | 97.2 | 70-130 | 2.88  | 20 |    |
| Sodium    | 7.90 | 5.00  | mg/L | 3.24 | 5.00 | 89.7 | 70-130 | 0.657 | 20 |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/09/25 10:55

### Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251472 - Dissolved ICPMS

##### Blank (B251472-BLK1)

Prepared: 05/30/25 Analyzed: 06/02/25

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0010 | mg/L |
| Cadmium    | ND | 0.0005 | mg/L |
| Copper     | ND | 0.0010 | mg/L |
| Lead       | ND | 0.0005 | mg/L |
| Manganese  | ND | 0.0005 | mg/L |
| Molybdenum | ND | 0.0005 | mg/L |
| Selenium   | ND | 0.0010 | mg/L |
| Uranium    | ND | 0.0005 | mg/L |
| Zinc       | ND | 0.0020 | mg/L |

##### LCS (B251472-BS1)

Prepared: 05/30/25 Analyzed: 06/02/25

|            |        |        |      |        |      |        |
|------------|--------|--------|------|--------|------|--------|
| Arsenic    | 0.0489 | 0.0010 | mg/L | 0.0500 | 97.9 | 85-115 |
| Cadmium    | 0.0495 | 0.0005 | mg/L | 0.0500 | 99.0 | 85-115 |
| Copper     | 0.0501 | 0.0010 | mg/L | 0.0500 | 100  | 85-115 |
| Lead       | 0.0492 | 0.0005 | mg/L | 0.0500 | 98.4 | 85-115 |
| Manganese  | 0.0502 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 |
| Molybdenum | 0.0495 | 0.0005 | mg/L | 0.0500 | 98.9 | 85-115 |
| Selenium   | 0.244  | 0.0010 | mg/L | 0.250  | 97.6 | 85-115 |
| Uranium    | 0.0504 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |
| Zinc       | 0.0499 | 0.0020 | mg/L | 0.0500 | 99.8 | 85-115 |

##### LCS Dup (B251472-BSD1)

Prepared: 05/30/25 Analyzed: 06/02/25

|            |        |        |      |        |      |        |        |    |
|------------|--------|--------|------|--------|------|--------|--------|----|
| Arsenic    | 0.0503 | 0.0010 | mg/L | 0.0500 | 101  | 85-115 | 2.78   | 20 |
| Cadmium    | 0.0495 | 0.0005 | mg/L | 0.0500 | 99.0 | 85-115 | 0.0237 | 20 |
| Copper     | 0.0501 | 0.0010 | mg/L | 0.0500 | 100  | 85-115 | 0.0537 | 20 |
| Lead       | 0.0497 | 0.0005 | mg/L | 0.0500 | 99.4 | 85-115 | 0.974  | 20 |
| Manganese  | 0.0506 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 0.639  | 20 |
| Molybdenum | 0.0499 | 0.0005 | mg/L | 0.0500 | 99.7 | 85-115 | 0.848  | 20 |
| Selenium   | 0.250  | 0.0010 | mg/L | 0.250  | 100  | 85-115 | 2.50   | 20 |
| Uranium    | 0.0502 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 | 0.327  | 20 |
| Zinc       | 0.0498 | 0.0020 | mg/L | 0.0500 | 99.6 | 85-115 | 0.231  | 20 |

##### Matrix Spike (B251472-MS1)

Source: 2505354-01

Prepared: 05/30/25 Analyzed: 06/02/25

|            |        |        |      |        |        |      |        |
|------------|--------|--------|------|--------|--------|------|--------|
| Arsenic    | 0.0535 | 0.0010 | mg/L | 0.0500 | ND     | 106  | 70-130 |
| Cadmium    | 0.0496 | 0.0005 | mg/L | 0.0500 | 0.0003 | 98.5 | 70-130 |
| Copper     | 0.0462 | 0.0010 | mg/L | 0.0500 | 0.0023 | 87.7 | 70-130 |
| Lead       | 0.0486 | 0.0005 | mg/L | 0.0500 | 0.0004 | 96.5 | 70-130 |
| Manganese  | 0.0723 | 0.0005 | mg/L | 0.0500 | 0.0279 | 88.9 | 70-130 |
| Molybdenum | 0.0520 | 0.0005 | mg/L | 0.0500 | 0.0013 | 101  | 70-130 |
| Selenium   | 0.273  | 0.0010 | mg/L | 0.250  | 0.0007 | 109  | 70-130 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/09/25 10:55

### Dissolved Metals by ICPMS - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251472 - Dissolved ICPMS (Continued)

##### Matrix Spike (B251472-MS1) (Continued)

Source: 2505354-01 Prepared: 05/30/25 Analyzed: 06/02/25

|         |        |        |      |        |        |      |        |  |  |  |
|---------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Uranium | 0.0508 | 0.0005 | mg/L | 0.0500 | 0.0002 | 101  | 70-130 |  |  |  |
| Zinc    | 0.133  | 0.0020 | mg/L | 0.0500 | 0.0892 | 87.2 | 70-130 |  |  |  |

##### Matrix Spike (B251472-MS2)

Source: 2505367-01 Prepared: 05/30/25 Analyzed: 06/02/25

|            |        |        |      |        |        |      |        |  |  |  |
|------------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Arsenic    | 0.0567 | 0.0010 | mg/L | 0.0500 | 0.0019 | 110  | 70-130 |  |  |  |
| Cadmium    | 0.0493 | 0.0005 | mg/L | 0.0500 | ND     | 98.7 | 70-130 |  |  |  |
| Copper     | 0.0500 | 0.0010 | mg/L | 0.0500 | 0.0072 | 85.5 | 70-130 |  |  |  |
| Lead       | 0.0495 | 0.0005 | mg/L | 0.0500 | 0.0005 | 97.9 | 70-130 |  |  |  |
| Manganese  | 1.97   | 0.0005 | mg/L | 0.0500 | 1.93   | 70.6 | 70-130 |  |  |  |
| Molybdenum | 0.0516 | 0.0005 | mg/L | 0.0500 | 0.0011 | 101  | 70-130 |  |  |  |
| Selenium   | 0.286  | 0.0010 | mg/L | 0.250  | 0.0007 | 114  | 70-130 |  |  |  |
| Uranium    | 0.0518 | 0.0005 | mg/L | 0.0500 | 0.0004 | 103  | 70-130 |  |  |  |
| Zinc       | 0.0651 | 0.0020 | mg/L | 0.0500 | 0.0191 | 92.0 | 70-130 |  |  |  |

##### Matrix Spike Dup (B251472-MSD1)

Source: 2505354-01 Prepared: 05/30/25 Analyzed: 06/02/25

|            |        |        |      |        |        |      |        |        |    |  |
|------------|--------|--------|------|--------|--------|------|--------|--------|----|--|
| Arsenic    | 0.0535 | 0.0010 | mg/L | 0.0500 | ND     | 106  | 70-130 | 0.0817 | 20 |  |
| Cadmium    | 0.0494 | 0.0005 | mg/L | 0.0500 | 0.0003 | 98.1 | 70-130 | 0.382  | 20 |  |
| Copper     | 0.0463 | 0.0010 | mg/L | 0.0500 | 0.0023 | 88.0 | 70-130 | 0.229  | 20 |  |
| Lead       | 0.0491 | 0.0005 | mg/L | 0.0500 | 0.0004 | 97.5 | 70-130 | 0.950  | 20 |  |
| Manganese  | 0.0729 | 0.0005 | mg/L | 0.0500 | 0.0279 | 90.1 | 70-130 | 0.783  | 20 |  |
| Molybdenum | 0.0516 | 0.0005 | mg/L | 0.0500 | 0.0013 | 101  | 70-130 | 0.779  | 20 |  |
| Selenium   | 0.271  | 0.0010 | mg/L | 0.250  | 0.0007 | 108  | 70-130 | 0.841  | 20 |  |
| Uranium    | 0.0515 | 0.0005 | mg/L | 0.0500 | 0.0002 | 103  | 70-130 | 1.37   | 20 |  |
| Zinc       | 0.132  | 0.0020 | mg/L | 0.0500 | 0.0892 | 85.5 | 70-130 | 0.638  | 20 |  |

##### Matrix Spike Dup (B251472-MSD2)

Source: 2505367-01 Prepared: 05/30/25 Analyzed: 06/02/25

|            |        |        |      |        |        |      |        |       |    |    |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|----|
| Arsenic    | 0.0574 | 0.0010 | mg/L | 0.0500 | 0.0019 | 111  | 70-130 | 1.26  | 20 |    |
| Cadmium    | 0.0491 | 0.0005 | mg/L | 0.0500 | ND     | 98.3 | 70-130 | 0.407 | 20 |    |
| Copper     | 0.0494 | 0.0010 | mg/L | 0.0500 | 0.0072 | 84.4 | 70-130 | 1.14  | 20 |    |
| Lead       | 0.0503 | 0.0005 | mg/L | 0.0500 | 0.0005 | 99.5 | 70-130 | 1.63  | 20 |    |
| Manganese  | 1.94   | 0.0005 | mg/L | 0.0500 | 1.93   | 16.0 | 70-130 | 1.40  | 20 | M3 |
| Molybdenum | 0.0521 | 0.0005 | mg/L | 0.0500 | 0.0011 | 102  | 70-130 | 0.846 | 20 |    |
| Selenium   | 0.290  | 0.0010 | mg/L | 0.250  | 0.0007 | 116  | 70-130 | 1.56  | 20 |    |
| Uranium    | 0.0531 | 0.0005 | mg/L | 0.0500 | 0.0004 | 105  | 70-130 | 2.52  | 20 |    |
| Zinc       | 0.0650 | 0.0020 | mg/L | 0.0500 | 0.0191 | 91.8 | 70-130 | 0.216 | 20 |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/09/25 10:55

### Dissolved Mercury by CVAFS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251511 - EPA 245.7

##### Blank (B251511-BLK1)

Prepared: 06/03/25 Analyzed: 06/05/25

|         |    |     |      |
|---------|----|-----|------|
| Mercury | ND | 100 | ng/L |
|---------|----|-----|------|

##### LCS (B251511-BS1)

Prepared: 06/03/25 Analyzed: 06/05/25

|         |     |     |      |      |      |        |
|---------|-----|-----|------|------|------|--------|
| Mercury | 828 | 100 | ng/L | 1000 | 82.8 | 76-113 |
|---------|-----|-----|------|------|------|--------|

##### LCS Dup (B251511-BSD1)

Prepared: 06/03/25 Analyzed: 06/05/25

|         |     |     |      |      |      |        |       |    |
|---------|-----|-----|------|------|------|--------|-------|----|
| Mercury | 822 | 100 | ng/L | 1000 | 82.2 | 76-113 | 0.702 | 20 |
|---------|-----|-----|------|------|------|--------|-------|----|

##### Matrix Spike (B251511-MS1)

Source: 2505414-01

Prepared: 06/03/25 Analyzed: 06/05/25

|         |     |     |      |      |    |      |        |
|---------|-----|-----|------|------|----|------|--------|
| Mercury | 919 | 100 | ng/L | 1000 | ND | 91.9 | 63-111 |
|---------|-----|-----|------|------|----|------|--------|

##### Matrix Spike Dup (B251511-MSD1)

Source: 2505414-01

Prepared: 06/03/25 Analyzed: 06/05/25

|         |     |     |      |      |    |      |        |       |     |
|---------|-----|-----|------|------|----|------|--------|-------|-----|
| Mercury | 913 | 100 | ng/L | 1000 | ND | 91.3 | 63-111 | 0.645 | 200 |
|---------|-----|-----|------|------|----|------|--------|-------|-----|

### Notes and Definitions

|     |                                                                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M3  | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| M2  | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| M1  | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |
| DET | Analyte DETECTED                                                                                                                                                                   |
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                                               |
| NR  | Not Reported                                                                                                                                                                       |
| dry | Sample results reported on a dry weight basis<br>*Results reported on as received basis unless designated as dry.                                                                  |
| RPD | Relative Percent Difference                                                                                                                                                        |
| LCS | Laboratory Control Sample (Blank Spike)                                                                                                                                            |
| RL  | Report Limit                                                                                                                                                                       |
| MDL | Method Detection Limit                                                                                                                                                             |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/09/25 10:55

### Qualifier Summary

| <u>LabNumber</u> | <u>Analysis</u>              | <u>Analyte</u>                         | <u>Qualifier</u> | <u>TextBody</u>                                                                                                                                                                    |
|------------------|------------------------------|----------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B251472-MSD2     | Manganese Dissolved by ICPMS | Manganese                              | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251492-MS1      | Calcium Dissolved by ICP     | Calcium                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251492-MS2      | Calcium Dissolved by ICP     | Calcium                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251492-MSD1     | Calcium Dissolved by ICP     | Calcium                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251492-MSD2     | Calcium Dissolved by ICP     | Calcium                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251535-MS2      | Fluoride [IC]                | Fluoride                               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251535-MSD2     | Fluoride [IC]                | Fluoride                               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251563-MSD2     | Alkalinity, Total            | Alkalinity, Total as CaCO <sub>3</sub> | M1               | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





Date/Initials of  
examining contents: LMWLabeled by initials: \_\_\_\_\_  
(If different than above)

## SAMPLE CONDITION RECEIPT FORM

Client Name: GCC FeNerneyWork Order # 2505-366Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ OtherCustody Seals on Box/Cooler Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: \_\_\_\_\_Thermometer Used: #2 Samples on ice, cooling process has begun: ☒ Yes ☐ NoType of Ice: ☒ Wet ☐ Blue ☐ None Cooler Temp: Observed Temp: 80 °C Correction Factor: 1.2 °C Final Temp: 8.2 °C  
\*Temp should be above freezing 6°CCompliance: ☐ Yes ☒ No

|                                                                                     |                                                                                                  |                 |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------|
| Chain of Custody Filled Out:                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 1.              |
| COC Signed when Relinquished and Received:                                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 2.              |
| Sampler Name and Signature on COC:<br>*Required for compliance                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 3.              |
| Samples arrived within hold time:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 4.              |
| Correct Containers Used & Intact:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5.              |
| Short Hold Time Analysis (<72hr):                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 6. <u>PLA</u>   |
| Rush Turn Around Time Requested:                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 7.              |
| Sufficient Volume:                                                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 8.              |
| pH's acceptable upon receipt, where applicable:<br>*Not including metals bottles    | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            | 9.              |
| Dissolved Testing Needed:                                                           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 10. <u>DISS</u> |
| Field Filtered: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                  |                 |
| Sample Labels match COC:<br>-Includes Date/Time/ID                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 11.             |
| Matrix:                                                                             | <u>WT</u> <input type="checkbox"/> SL <input type="checkbox"/> OT                                |                 |
| Trip Blank Present:                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 12.             |
| Trip Blank Custody Seals Present:                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |                 |
| VOA's meet headspace requirement (<6mm bubbles)                                     | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |                 |
| Non-Conformance(s):                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 13.             |

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
jeremy.allen@greenanalytical.com

10 June 2025

Michael Dickson  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: [none]

Enclosed are the results of analyses for samples received by the laboratory on 05/27/25 16:06. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, reading 'Jeremy D. Allen', is displayed on a light blue rectangular background.

Report Station For Jeremy D Allen  
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

# Table of Contents

|                                          |    |
|------------------------------------------|----|
| Samples in Report                        | 3  |
| Sample Results                           | 4  |
| 2505367-01: Hay Gulch Ditch Downgradient | 4  |
| Quality Assurance Results                | 6  |
| Notes and Definitions                    | 15 |
| Qualifier Summary                        | 16 |
| Chain of Custody & Attachments           | 17 |





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/10/25 12:16

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID                    | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|------------------------------|---------------|--------|----------------|----------------|-------|
| Hay Gulch Ditch Downgradient | 2505367-01    | Water  | 05/27/25 14:20 | 05/27/25 16:06 |       |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHG  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/10/25 12:16

### Hay Gulch Ditch Downgradient

**2505367-01 (Surface Water)**

**Sampled Date: 05/27/25 14:20**

**Sampled By: Brandon Waddell**

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

#### General Chemistry

|                                                |        |       |        |           |   |                |                    |  |     |
|------------------------------------------------|--------|-------|--------|-----------|---|----------------|--------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 135    | 10.0  | 5.55   | mg/L      | 1 | 06/06/25 17:10 | 2320 B             |  | AES |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 1 | 06/06/25 17:10 | 2320 B             |  | AES |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 1 | 06/06/25 17:10 | 2320 B             |  | AES |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 135    | 10.0  | 5.55   | mg/L      | 1 | 06/06/25 17:10 | 2320 B             |  | AES |
| Cation/Anion Balance                           | 6.39   | -100  | -100   | %         | 1 | 05/29/25 17:27 | Calculation        |  | JDA |
| Chloride*                                      | 14.8   | 1.00  | 0.497  | mg/L      | 1 | 06/05/25 22:35 | EPA 300.0          |  | AWG |
| Fluoride*                                      | 0.236  | 0.100 | 0.0336 | mg/L      | 1 | 06/05/25 22:35 | EPA 300.0          |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007  | mg/L as N | 1 | 05/28/25 12:51 | EPA 353.2          |  | HIC |
| Oil & Grease (HEM)                             | <5.00  | 5.00  | 2.54   | mg/L      | 1 | 06/06/25 12:38 | EPA 1664 A         |  | AES |
| pH*                                            | 7.11   |       |        | pH Units  | 1 | 05/28/25 17:20 | EPA 150.1/9040C    |  | HIC |
| pH Temperature, degrees C                      | 20.2   |       |        | pH Units  | 1 | 05/28/25 17:20 | EPA 150.1/9040C    |  | HIC |
| SAR                                            | 0.28   |       |        | No Unit   | 1 | 06/05/25 15:59 | Calculation        |  | AWG |
| Sulfate*                                       | 56.0   | 1.00  | 0.563  | mg/L      | 1 | 06/05/25 22:35 | EPA 300.0          |  | AWG |
| Total Dissolved Solids*                        | 320    | 10.0  |        | mg/L      | 1 | 05/28/25 16:26 | EPA 160.1/SM 2540C |  | HIC |
| Total Organic Carbon*                          | 4.91   | 0.500 | 0.220  | mg/L      | 1 | 05/30/25 00:52 | 5310C              |  | AES |
| Total Suspended Solids*                        | 1270   | 2.50  |        | mg/L      | 1 | 05/28/25 18:10 | 2540 D             |  | AES |

#### Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 06/04/25 14:59 | EPA 200.7   |  | AWG |
| Calcium*                      | 40.9   | 0.100 | 0.072  | mg/L | 1 | 06/04/25 14:58 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 170    | 0.662 | 0.507  | mg/L | 1 | 06/04/25 14:59 | 2340 B      |  | AWG |
| Iron*                         | 6.76   | 0.050 | 0.035  | mg/L | 1 | 06/05/25 15:03 | EPA 200.7   |  | AWG |
| Magnesium*                    | 16.5   | 0.100 | 0.079  | mg/L | 1 | 06/04/25 14:59 | EPA 200.7   |  | AWG |
| Potassium*                    | 2.33   | 1.00  | 0.181  | mg/L | 1 | 06/04/25 14:59 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 10.1   | 1.07  | 0.0208 | mg/L | 1 | 06/05/25 15:03 | Calculation |  | AWG |
| Silicon                       | 4.71   | 0.500 | 0.010  | mg/L | 1 | 06/05/25 15:03 | EPA 200.7   |  | AWG |
| Sodium*                       | 8.48   | 1.00  | 0.756  | mg/L | 1 | 06/04/25 14:58 | EPA 200.7   |  | AWG |

#### Total Recoverable Metals by ICPMS (E200.8)

|         |        |        |         |      |   |                |           |  |     |
|---------|--------|--------|---------|------|---|----------------|-----------|--|-----|
| Mercury | 0.0163 | 0.0100 | 0.00430 | ug/L | 1 | 06/09/25 15:12 | EPA 200.8 |  | AES |
|---------|--------|--------|---------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/10/25 12:16

### Hay Gulch Ditch Downgradient

**2505367-01 (Surface Water)**

**Sampled Date: 05/27/25 14:20**

**Sampled By: Brandon Waddell**

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

#### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |           |  |     |
|-------------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Arsenic*    | 0.0019  | 0.0010 | 0.0004  | mg/L | 1 | 06/02/25 17:28 | EPA 200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00005 | mg/L | 1 | 06/02/25 17:28 | EPA 200.8 |  | AES |
| Copper*     | 0.0072  | 0.0010 | 0.0007  | mg/L | 1 | 06/02/25 17:28 | EPA 200.8 |  | AES |
| Lead*       | 0.0005  | 0.0005 | 0.0001  | mg/L | 1 | 06/02/25 17:28 | EPA 200.8 |  | AES |
| Manganese*  | 1.93    | 0.0005 | 0.0002  | mg/L | 1 | 06/02/25 17:28 | EPA 200.8 |  | AES |
| Molybdenum* | 0.0011  | 0.0005 | 0.00004 | mg/L | 1 | 06/02/25 17:28 | EPA 200.8 |  | AES |
| Selenium*   | <0.0010 | 0.0010 | 0.0004  | mg/L | 1 | 06/02/25 17:28 | EPA 200.8 |  | AES |
| Uranium     | <0.0005 | 0.0005 | 0.00002 | mg/L | 1 | 06/02/25 17:28 | EPA 200.8 |  | AES |
| Zinc*       | 0.0191  | 0.0020 | 0.0005  | mg/L | 1 | 06/02/25 17:28 | EPA 200.8 |  | AES |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHG  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/10/25 12:16

### General Chemistry - Quality Control

| Analyte                                        | Result | Reporting Limit | Units     | Spike Level                                      | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|------------------------------------------------|--------|-----------------|-----------|--------------------------------------------------|---------------|------|-------------|-------|-----------|-------|
| <b>Batch B251287 - Lachat</b>                  |        |                 |           |                                                  |               |      |             |       |           |       |
| <b>Blank (B251287-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 05/28/25                    |               |      |             |       |           |       |
| Nitrate/Nitrite as N                           | ND     | 0.020           | mg/L as N |                                                  |               |      |             |       |           |       |
| <b>LCS (B251287-BS1)</b>                       |        |                 |           | Prepared & Analyzed: 05/28/25                    |               |      |             |       |           |       |
| Nitrate/Nitrite as N                           | 1.02   | 0.020           | mg/L as N | 1.00                                             |               | 102  | 90-110      |       |           |       |
| <b>LCS Dup (B251287-BSD1)</b>                  |        |                 |           | Prepared & Analyzed: 05/28/25                    |               |      |             |       |           |       |
| Nitrate/Nitrite as N                           | 1.02   | 0.020           | mg/L as N | 1.00                                             |               | 102  | 90-110      | 0.490 | 20        |       |
| <b>Matrix Spike (B251287-MS1)</b>              |        |                 |           | Source: 2505351-01 Prepared & Analyzed: 05/28/25 |               |      |             |       |           |       |
| Nitrate/Nitrite as N                           | 1.14   | 0.020           | mg/L as N | 1.00                                             | 0.150         | 98.8 | 90-110      |       |           |       |
| <b>Matrix Spike (B251287-MS2)</b>              |        |                 |           | Source: 2505354-01 Prepared & Analyzed: 05/28/25 |               |      |             |       |           |       |
| Nitrate/Nitrite as N                           | 1.16   | 0.020           | mg/L as N | 1.00                                             | 0.171         | 98.8 | 90-110      |       |           |       |
| <b>Matrix Spike Dup (B251287-MSD1)</b>         |        |                 |           | Source: 2505351-01 Prepared & Analyzed: 05/28/25 |               |      |             |       |           |       |
| Nitrate/Nitrite as N                           | 1.15   | 0.020           | mg/L as N | 1.00                                             | 0.150         | 100  | 90-110      | 1.14  | 20        |       |
| <b>Matrix Spike Dup (B251287-MSD2)</b>         |        |                 |           | Source: 2505354-01 Prepared & Analyzed: 05/28/25 |               |      |             |       |           |       |
| Nitrate/Nitrite as N                           | 1.17   | 0.020           | mg/L as N | 1.00                                             | 0.171         | 100  | 90-110      | 1.12  | 20        |       |
| <b>Batch B251433 - General Prep - Wet Chem</b> |        |                 |           |                                                  |               |      |             |       |           |       |
| <b>Blank (B251433-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 05/29/25                    |               |      |             |       |           |       |
| Total Organic Carbon                           | ND     | 0.500           | mg/L      |                                                  |               |      |             |       |           |       |
| <b>LCS (B251433-BS1)</b>                       |        |                 |           | Prepared & Analyzed: 05/29/25                    |               |      |             |       |           |       |
| Total Organic Carbon                           | 9.72   | 0.500           | mg/L      | 10.0                                             |               | 97.2 | 85-115      |       |           |       |
| <b>LCS Dup (B251433-BSD1)</b>                  |        |                 |           | Prepared & Analyzed: 05/29/25                    |               |      |             |       |           |       |
| Total Organic Carbon                           | 9.70   | 0.500           | mg/L      | 10.0                                             |               | 97.0 | 85-115      | 0.237 | 20        |       |
| <b>Matrix Spike (B251433-MS1)</b>              |        |                 |           | Source: 2505259-13 Prepared & Analyzed: 05/29/25 |               |      |             |       |           |       |
| Total Organic Carbon                           | 11.2   | 0.500           | mg/L      | 10.0                                             | 1.90          | 93.1 | 80-120      |       |           |       |
| <b>Matrix Spike (B251433-MS2)</b>              |        |                 |           | Source: 2505259-14 Prepared & Analyzed: 05/29/25 |               |      |             |       |           |       |
| Total Organic Carbon                           | 11.4   | 0.500           | mg/L      | 10.0                                             | 2.07          | 93.2 | 80-120      |       |           |       |
| <b>Matrix Spike Dup (B251433-MSD1)</b>         |        |                 |           | Source: 2505259-13 Prepared & Analyzed: 05/29/25 |               |      |             |       |           |       |
| Total Organic Carbon                           | 11.4   | 0.500           | mg/L      | 10.0                                             | 1.90          | 95.0 | 80-120      | 1.68  | 20        |       |
| <b>Matrix Spike Dup (B251433-MSD2)</b>         |        |                 |           | Source: 2505259-14 Prepared & Analyzed: 05/29/25 |               |      |             |       |           |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/10/25 12:16

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251433 - General Prep - Wet Chem (Continued)

**Matrix Spike Dup (B251433-MSD2) (Continued)** Source: 2505259-14 Prepared & Analyzed: 05/29/25

|                      |      |       |      |      |      |      |        |      |    |
|----------------------|------|-------|------|------|------|------|--------|------|----|
| Total Organic Carbon | 11.6 | 0.500 | mg/L | 10.0 | 2.07 | 95.4 | 80-120 | 1.91 | 20 |
|----------------------|------|-------|------|------|------|------|--------|------|----|

#### Batch B251434 - General Prep - Wet Chem

**Blank (B251434-BLK1)** Prepared & Analyzed: 05/28/25

|                        |    |      |      |
|------------------------|----|------|------|
| Total Suspended Solids | ND | 2.50 | mg/L |
|------------------------|----|------|------|

**Duplicate (B251434-DUP1)** Source: 2505367-01 Prepared & Analyzed: 05/28/25

|                        |      |      |      |      |      |    |
|------------------------|------|------|------|------|------|----|
| Total Suspended Solids | 1320 | 2.50 | mg/L | 1270 | 3.85 | 20 |
|------------------------|------|------|------|------|------|----|

**Reference (B251434-SRM1)** Prepared & Analyzed: 05/28/25

|                        |      |      |      |     |      |        |
|------------------------|------|------|------|-----|------|--------|
| Total Suspended Solids | 91.0 | 2.50 | mg/L | 100 | 91.0 | 85-115 |
|------------------------|------|------|------|-----|------|--------|

#### Batch B251435 - General Prep - Wet Chem

**Blank (B251435-BLK1)** Prepared & Analyzed: 05/28/25

|                        |    |      |      |
|------------------------|----|------|------|
| Total Dissolved Solids | ND | 10.0 | mg/L |
|------------------------|----|------|------|

**Duplicate (B251435-DUP1)** Source: 2505312-01 Prepared & Analyzed: 05/28/25

|                        |     |      |      |     |      |    |
|------------------------|-----|------|------|-----|------|----|
| Total Dissolved Solids | 850 | 10.0 | mg/L | 875 | 2.90 | 20 |
|------------------------|-----|------|------|-----|------|----|

**Reference (B251435-SRM1)** Prepared & Analyzed: 05/28/25

|                        |     |      |      |     |      |        |
|------------------------|-----|------|------|-----|------|--------|
| Total Dissolved Solids | 365 | 10.0 | mg/L | 400 | 91.2 | 85-115 |
|------------------------|-----|------|------|-----|------|--------|

#### Batch B251462 - General Prep - Wet Chem

**Duplicate (B251462-DUP1)** Source: 2505369-08 Prepared & Analyzed: 05/28/25

|                           |      |          |      |       |     |
|---------------------------|------|----------|------|-------|-----|
| pH                        | 7.29 | pH Units | 7.27 | 0.275 | 20  |
| pH Temperature, degrees C | 19.0 | pH Units | 18.9 | 0.528 | 200 |

**Reference (B251462-SRM1)** Prepared & Analyzed: 05/28/25

|    |      |          |      |      |              |
|----|------|----------|------|------|--------------|
| pH | 6.90 | pH Units | 7.00 | 98.6 | 98.57-101.42 |
|----|------|----------|------|------|--------------|

#### Batch B251475 - Total Recoverable by ICP

**Blank (B251475-BLK1)** Prepared: 05/30/25 Analyzed: 06/05/25

|     |      |         |
|-----|------|---------|
| SAR | 0.00 | No Unit |
|-----|------|---------|

#### Batch B251512 - General Prep - Wet Chem

**Blank (B251512-BLK1)** Prepared & Analyzed: 06/03/25

|                    |    |      |      |
|--------------------|----|------|------|
| Oil & Grease (HEM) | ND | 5.00 | mg/L |
|--------------------|----|------|------|

**LCS (B251512-BS1)** Prepared & Analyzed: 06/03/25

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/10/25 12:16

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251512 - General Prep - Wet Chem (Continued)

##### LCS (B251512-BS1) (Continued)

Prepared & Analyzed: 06/03/25

|                    |      |      |      |      |      |        |
|--------------------|------|------|------|------|------|--------|
| Oil & Grease (HEM) | 38.4 | 5.00 | mg/L | 40.0 | 96.0 | 85-115 |
|--------------------|------|------|------|------|------|--------|

##### LCS Dup (B251512-BSD1)

Prepared & Analyzed: 06/03/25

|                    |      |      |      |      |      |        |      |    |
|--------------------|------|------|------|------|------|--------|------|----|
| Oil & Grease (HEM) | 37.2 | 5.00 | mg/L | 40.0 | 93.0 | 85-115 | 3.17 | 20 |
|--------------------|------|------|------|------|------|--------|------|----|

#### Batch B251535 - IC- Ion Chromatograph

##### Blank (B251535-BLK1)

Prepared & Analyzed: 06/05/25

|          |    |       |      |
|----------|----|-------|------|
| Chloride | ND | 1.00  | mg/L |
| Fluoride | ND | 0.100 | mg/L |
| Sulfate  | ND | 1.00  | mg/L |

##### LCS (B251535-BS1)

Prepared & Analyzed: 06/05/25

|          |      |       |      |      |      |        |
|----------|------|-------|------|------|------|--------|
| Chloride | 24.4 | 1.00  | mg/L | 25.0 | 97.6 | 90-110 |
| Fluoride | 2.56 | 0.100 | mg/L | 2.50 | 102  | 90-110 |
| Sulfate  | 24.9 | 1.00  | mg/L | 25.0 | 99.6 | 90-110 |

##### LCS Dup (B251535-BSD1)

Prepared & Analyzed: 06/05/25

|          |      |       |      |      |      |        |       |    |
|----------|------|-------|------|------|------|--------|-------|----|
| Chloride | 24.6 | 1.00  | mg/L | 25.0 | 98.6 | 90-110 | 0.979 | 20 |
| Fluoride | 2.59 | 0.100 | mg/L | 2.50 | 103  | 90-110 | 1.01  | 20 |
| Sulfate  | 25.1 | 1.00  | mg/L | 25.0 | 101  | 90-110 | 0.939 | 20 |

##### Matrix Spike (B251535-MS1)

Source: 2505351-01

Prepared & Analyzed: 06/05/25

|          |      |       |      |      |       |      |        |
|----------|------|-------|------|------|-------|------|--------|
| Chloride | 26.1 | 1.00  | mg/L | 25.0 | 2.37  | 94.9 | 85-115 |
| Fluoride | 2.48 | 0.100 | mg/L | 2.50 | 0.100 | 95.0 | 85-115 |
| Sulfate  | 54.8 | 1.00  | mg/L | 25.0 | 33.2  | 86.3 | 85-115 |

##### Matrix Spike (B251535-MS2)

Source: 2506023-01

Prepared: 06/05/25 Analyzed: 06/06/25

|          |      |       |      |      |      |      |        |  |
|----------|------|-------|------|------|------|------|--------|--|
| Chloride | 31.4 | 1.00  | mg/L | 25.0 | 7.16 | 97.1 | 85-115 |  |
| Fluoride | 5.55 | 0.500 | mg/L | 2.50 | 3.55 | 80.1 | 85-115 |  |
| Sulfate  | 57.6 | 1.00  | mg/L | 25.0 | 33.6 | 96.1 | 85-115 |  |

M2

##### Matrix Spike Dup (B251535-MSD1)

Source: 2505351-01

Prepared & Analyzed: 06/05/25

|          |      |       |      |      |       |      |        |         |    |
|----------|------|-------|------|------|-------|------|--------|---------|----|
| Chloride | 26.1 | 1.00  | mg/L | 25.0 | 2.37  | 94.9 | 85-115 | 0.00383 | 20 |
| Fluoride | 2.47 | 0.100 | mg/L | 2.50 | 0.100 | 95.0 | 85-115 | 0.0808  | 20 |
| Sulfate  | 55.1 | 1.00  | mg/L | 25.0 | 33.2  | 87.5 | 85-115 | 0.545   | 20 |

##### Matrix Spike Dup (B251535-MSD2)

Source: 2506023-01

Prepared: 06/05/25 Analyzed: 06/06/25

|          |      |       |      |      |      |      |        |        |    |
|----------|------|-------|------|------|------|------|--------|--------|----|
| Chloride | 31.4 | 1.00  | mg/L | 25.0 | 7.16 | 97.0 | 85-115 | 0.0700 | 20 |
| Fluoride | 5.65 | 0.500 | mg/L | 2.50 | 3.55 | 84.1 | 85-115 | 1.79   | 20 |
| Sulfate  | 57.6 | 1.00  | mg/L | 25.0 | 33.6 | 96.2 | 85-115 | 0.0208 | 20 |

M2

#### Batch B251563 - General Prep - Wet Chem

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/10/25 12:16

### General Chemistry - Quality Control (Continued)

| Analyte                                                                                 | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|-----------------------------------------------------------------------------------------|--------|-----------------|-------|-------------|---------------|------|-------------|------|-----------|-------|
| <b>Blank (B251563-BLK1)</b> Prepared & Analyzed: 06/06/25                               |        |                 |       |             |               |      |             |      |           |       |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub>                                            | ND     | 10.0            | mg/L  |             |               |      |             |      |           |       |
| Alkalinity, Carbonate as CaCO <sub>3</sub>                                              | ND     | 10.0            | mg/L  |             |               |      |             |      |           |       |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>                                              | ND     | 10.0            | mg/L  |             |               |      |             |      |           |       |
| Alkalinity, Total as CaCO <sub>3</sub>                                                  | ND     | 10.0            | mg/L  |             |               |      |             |      |           |       |
| <b>LCS (B251563-BS1)</b> Prepared & Analyzed: 06/06/25                                  |        |                 |       |             |               |      |             |      |           |       |
| Alkalinity, Total as CaCO <sub>3</sub>                                                  | 107    | 10.0            | mg/L  | 100         |               | 107  | 85-115      |      |           |       |
| <b>LCS Dup (B251563-BSD1)</b> Prepared & Analyzed: 06/06/25                             |        |                 |       |             |               |      |             |      |           |       |
| Alkalinity, Total as CaCO <sub>3</sub>                                                  | 102    | 10.0            | mg/L  | 100         |               | 102  | 85-115      | 4.78 | 20        |       |
| <b>Matrix Spike (B251563-MS1)</b> Source: 2505368-01 Prepared & Analyzed: 06/06/25      |        |                 |       |             |               |      |             |      |           |       |
| Alkalinity, Total as CaCO <sub>3</sub>                                                  | 310    | 10.0            | mg/L  | 100         | 197           | 113  | 80-120      |      |           |       |
| <b>Matrix Spike (B251563-MS2)</b> Source: 2506023-01 Prepared & Analyzed: 06/06/25      |        |                 |       |             |               |      |             |      |           |       |
| Alkalinity, Total as CaCO <sub>3</sub>                                                  | 310    | 10.0            | mg/L  | 100         | 215           | 95.0 | 80-120      |      |           |       |
| <b>Matrix Spike Dup (B251563-MSD1)</b> Source: 2505368-01 Prepared & Analyzed: 06/06/25 |        |                 |       |             |               |      |             |      |           |       |
| Alkalinity, Total as CaCO <sub>3</sub>                                                  | 310    | 10.0            | mg/L  | 100         | 197           | 113  | 80-120      | 0.00 | 20        |       |
| <b>Matrix Spike Dup (B251563-MSD2)</b> Source: 2506023-01 Prepared & Analyzed: 06/06/25 |        |                 |       |             |               |      |             |      |           |       |
| Alkalinity, Total as CaCO <sub>3</sub>                                                  | 350    | 10.0            | mg/L  | 100         | 215           | 135  | 80-120      | 12.1 | 20        | M1    |
| <b>Reference (B251563-SRM1)</b> Prepared & Analyzed: 06/06/25                           |        |                 |       |             |               |      |             |      |           |       |
| Alkalinity, Total as CaCO <sub>3</sub>                                                  | 109    | 10.0            | mg/L  | 100         |               | 109  | 85-115      |      |           |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/10/25 12:16

### Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251492 - Dissolved ICP

##### Blank (B251492-BLK1)

Prepared: 06/02/25 Analyzed: 06/04/25

|           |    |       |      |  |  |  |  |  |  |  |
|-----------|----|-------|------|--|--|--|--|--|--|--|
| Aluminum  | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Calcium   | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Iron      | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Magnesium | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Potassium | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Silicon   | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
| Sodium    | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251492-BS1)

Prepared: 06/02/25 Analyzed: 06/04/25

|           |      |       |      |      |  |      |        |  |  |  |
|-----------|------|-------|------|------|--|------|--------|--|--|--|
| Aluminum  | 3.90 | 0.050 | mg/L | 4.00 |  | 97.4 | 85-115 |  |  |  |
| Calcium   | 3.74 | 0.100 | mg/L | 4.00 |  | 93.5 | 85-115 |  |  |  |
| Iron      | 3.98 | 0.050 | mg/L | 4.00 |  | 99.4 | 85-115 |  |  |  |
| Magnesium | 19.7 | 0.100 | mg/L | 20.0 |  | 98.7 | 85-115 |  |  |  |
| Potassium | 7.78 | 1.00  | mg/L | 8.00 |  | 97.2 | 85-115 |  |  |  |
| Silicon   | 4.00 | 0.500 | mg/L | 4.00 |  | 100  | 85-115 |  |  |  |
| Sodium    | 3.24 | 1.00  | mg/L | 3.24 |  | 100  | 85-115 |  |  |  |

##### LCS Dup (B251492-BS1)

Prepared: 06/02/25 Analyzed: 06/04/25

|           |      |       |      |      |  |      |        |       |    |  |
|-----------|------|-------|------|------|--|------|--------|-------|----|--|
| Aluminum  | 3.95 | 0.050 | mg/L | 4.00 |  | 98.7 | 85-115 | 1.29  | 20 |  |
| Calcium   | 3.79 | 0.100 | mg/L | 4.00 |  | 94.7 | 85-115 | 1.27  | 20 |  |
| Iron      | 3.99 | 0.050 | mg/L | 4.00 |  | 99.8 | 85-115 | 0.349 | 20 |  |
| Magnesium | 20.1 | 0.100 | mg/L | 20.0 |  | 100  | 85-115 | 1.64  | 20 |  |
| Potassium | 7.82 | 1.00  | mg/L | 8.00 |  | 97.8 | 85-115 | 0.632 | 20 |  |
| Silicon   | 4.03 | 0.500 | mg/L | 4.00 |  | 101  | 85-115 | 0.634 | 20 |  |
| Sodium    | 3.21 | 1.00  | mg/L | 3.24 |  | 99.1 | 85-115 | 0.835 | 20 |  |

##### Matrix Spike (B251492-MS1)

Source: 2505375-01

Prepared: 06/02/25 Analyzed: 06/04/25

|           |      |       |      |      |       |      |        |  |  |    |
|-----------|------|-------|------|------|-------|------|--------|--|--|----|
| Aluminum  | 3.60 | 0.050 | mg/L | 4.00 | 0.086 | 87.9 | 70-130 |  |  |    |
| Calcium   | 34.9 | 0.100 | mg/L | 4.00 | 34.5  | 8.12 | 70-130 |  |  | M2 |
| Iron      | 3.72 | 0.050 | mg/L | 4.00 | 0.102 | 90.4 | 70-130 |  |  |    |
| Magnesium | 22.0 | 0.100 | mg/L | 20.0 | 4.88  | 85.5 | 70-130 |  |  |    |
| Potassium | 8.12 | 1.00  | mg/L | 8.00 | 1.21  | 86.4 | 70-130 |  |  |    |
| Silicon   | 6.44 | 0.500 | mg/L | 4.00 | 2.86  | 89.4 | 70-130 |  |  |    |
| Sodium    | 8.66 | 1.00  | mg/L | 3.24 | 6.28  | 73.3 | 70-130 |  |  |    |

##### Matrix Spike (B251492-MS2)

Source: 2505375-04

Prepared: 06/02/25 Analyzed: 06/04/25

|           |      |       |      |      |       |      |        |  |  |    |
|-----------|------|-------|------|------|-------|------|--------|--|--|----|
| Aluminum  | 4.06 | 0.050 | mg/L | 4.00 | 0.081 | 99.4 | 70-130 |  |  |    |
| Calcium   | 33.3 | 0.100 | mg/L | 4.00 | 31.9  | 35.6 | 70-130 |  |  | M2 |
| Iron      | 4.18 | 0.050 | mg/L | 4.00 | 0.080 | 103  | 70-130 |  |  |    |
| Magnesium | 24.0 | 0.100 | mg/L | 20.0 | 4.42  | 98.0 | 70-130 |  |  |    |
| Potassium | 8.90 | 1.00  | mg/L | 8.00 | 1.08  | 97.8 | 70-130 |  |  |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/10/25 12:16

### Dissolved Metals by ICP - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251492 - Dissolved ICP (Continued)

##### Matrix Spike (B251492-MS2) (Continued)

Source: 2505375-04 Prepared: 06/02/25 Analyzed: 06/05/25

|         |      |       |      |      |      |      |        |  |  |  |
|---------|------|-------|------|------|------|------|--------|--|--|--|
| Silicon | 6.91 | 0.500 | mg/L | 4.00 | 2.83 | 102  | 70-130 |  |  |  |
| Sodium  | 7.96 | 1.00  | mg/L | 3.24 | 5.00 | 91.3 | 70-130 |  |  |  |

##### Matrix Spike Dup (B251492-MSD1)

Source: 2505375-01 Prepared: 06/02/25 Analyzed: 06/04/25

|           |      |       |      |      |      |      |        |      |    |    |
|-----------|------|-------|------|------|------|------|--------|------|----|----|
| Aluminum  | 3.51 | 0.250 | mg/L | 4.00 | ND   | 87.7 | 70-130 | 2.65 | 20 |    |
| Calcium   | 35.8 | 0.500 | mg/L | 4.00 | 34.5 | 30.4 | 70-130 | 2.53 | 20 | M2 |
| Iron      | 3.66 | 0.250 | mg/L | 4.00 | ND   | 91.5 | 70-130 | 1.48 | 20 |    |
| Magnesium | 22.3 | 0.500 | mg/L | 20.0 | 4.88 | 87.0 | 70-130 | 1.31 | 20 |    |
| Potassium | 8.42 | 5.00  | mg/L | 8.00 | 1.21 | 90.1 | 70-130 | 3.57 | 20 |    |
| Silicon   | 6.34 | 2.50  | mg/L | 4.00 | 2.86 | 87.0 | 70-130 | 1.55 | 20 |    |
| Sodium    | 8.80 | 5.00  | mg/L | 3.24 | 6.28 | 77.6 | 70-130 | 1.58 | 20 |    |

##### Matrix Spike Dup (B251492-MSD2)

Source: 2505375-04 Prepared: 06/02/25 Analyzed: 06/04/25

|           |      |       |      |      |      |      |        |       |    |    |
|-----------|------|-------|------|------|------|------|--------|-------|----|----|
| Aluminum  | 3.96 | 0.250 | mg/L | 4.00 | ND   | 99.0 | 70-130 | 2.48  | 20 |    |
| Calcium   | 33.8 | 0.500 | mg/L | 4.00 | 31.9 | 46.4 | 70-130 | 1.28  | 20 | M2 |
| Iron      | 4.15 | 0.250 | mg/L | 4.00 | ND   | 104  | 70-130 | 0.726 | 20 |    |
| Magnesium | 24.0 | 0.500 | mg/L | 20.0 | 4.42 | 97.9 | 70-130 | 0.127 | 20 |    |
| Potassium | 8.98 | 5.00  | mg/L | 8.00 | 1.08 | 98.8 | 70-130 | 0.872 | 20 |    |
| Silicon   | 6.71 | 2.50  | mg/L | 4.00 | 2.83 | 97.2 | 70-130 | 2.88  | 20 |    |
| Sodium    | 7.90 | 5.00  | mg/L | 3.24 | 5.00 | 89.7 | 70-130 | 0.657 | 20 |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/10/25 12:16

### Total Recoverable Metals by ICPMS (E200.8) - Quality Control

| Analyte                                 | Result | Reporting Limit | Units | Spike Level                                              | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|-----------------------------------------|--------|-----------------|-------|----------------------------------------------------------|---------------|------|-------------|-------|-----------|-------|
| <b>Batch B251570 - Mercury by 200.8</b> |        |                 |       |                                                          |               |      |             |       |           |       |
| <b>Blank (B251570-BLK1)</b>             |        |                 |       |                                                          |               |      |             |       |           |       |
|                                         |        |                 |       | Prepared: 06/06/25 Analyzed: 06/09/25                    |               |      |             |       |           |       |
| Mercury                                 | ND     | 0.0100          | ug/L  |                                                          |               |      |             |       |           |       |
| <b>LCS (B251570-BS1)</b>                |        |                 |       |                                                          |               |      |             |       |           |       |
|                                         |        |                 |       | Prepared: 06/06/25 Analyzed: 06/09/25                    |               |      |             |       |           |       |
| Mercury                                 | 0.0976 | 0.0100          | ug/L  | 0.100                                                    |               | 97.6 | 85-115      |       |           |       |
| <b>LCS Dup (B251570-BSD1)</b>           |        |                 |       |                                                          |               |      |             |       |           |       |
|                                         |        |                 |       | Prepared: 06/06/25 Analyzed: 06/09/25                    |               |      |             |       |           |       |
| Mercury                                 | 0.0983 | 0.0100          | ug/L  | 0.100                                                    |               | 98.3 | 85-115      | 0.669 | 20        |       |
| <b>Matrix Spike (B251570-MS1)</b>       |        |                 |       |                                                          |               |      |             |       |           |       |
|                                         |        |                 |       | Source: 2505423-01 Prepared: 06/06/25 Analyzed: 06/09/25 |               |      |             |       |           |       |
| Mercury                                 | 0.108  | 0.0100          | ug/L  | 0.100                                                    | ND            | 108  | 70-130      |       |           |       |
| <b>Matrix Spike Dup (B251570-MSD1)</b>  |        |                 |       |                                                          |               |      |             |       |           |       |
|                                         |        |                 |       | Source: 2505423-01 Prepared: 06/06/25 Analyzed: 06/09/25 |               |      |             |       |           |       |
| Mercury                                 | 0.110  | 0.0100          | ug/L  | 0.100                                                    | ND            | 110  | 70-130      | 2.38  | 20        |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/10/25 12:16

### Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251472 - Dissolved ICPMS

##### Blank (B251472-BLK1)

Prepared: 05/30/25 Analyzed: 06/02/25

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0010 | mg/L |
| Cadmium    | ND | 0.0005 | mg/L |
| Copper     | ND | 0.0010 | mg/L |
| Lead       | ND | 0.0005 | mg/L |
| Manganese  | ND | 0.0005 | mg/L |
| Molybdenum | ND | 0.0005 | mg/L |
| Selenium   | ND | 0.0010 | mg/L |
| Uranium    | ND | 0.0005 | mg/L |
| Zinc       | ND | 0.0020 | mg/L |

##### LCS (B251472-BS1)

Prepared: 05/30/25 Analyzed: 06/02/25

|            |        |        |      |        |      |        |
|------------|--------|--------|------|--------|------|--------|
| Arsenic    | 0.0489 | 0.0010 | mg/L | 0.0500 | 97.9 | 85-115 |
| Cadmium    | 0.0495 | 0.0005 | mg/L | 0.0500 | 99.0 | 85-115 |
| Copper     | 0.0501 | 0.0010 | mg/L | 0.0500 | 100  | 85-115 |
| Lead       | 0.0492 | 0.0005 | mg/L | 0.0500 | 98.4 | 85-115 |
| Manganese  | 0.0502 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 |
| Molybdenum | 0.0495 | 0.0005 | mg/L | 0.0500 | 98.9 | 85-115 |
| Selenium   | 0.244  | 0.0010 | mg/L | 0.250  | 97.6 | 85-115 |
| Uranium    | 0.0504 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |
| Zinc       | 0.0499 | 0.0020 | mg/L | 0.0500 | 99.8 | 85-115 |

##### LCS Dup (B251472-BSD1)

Prepared: 05/30/25 Analyzed: 06/02/25

|            |        |        |      |        |      |        |        |    |
|------------|--------|--------|------|--------|------|--------|--------|----|
| Arsenic    | 0.0503 | 0.0010 | mg/L | 0.0500 | 101  | 85-115 | 2.78   | 20 |
| Cadmium    | 0.0495 | 0.0005 | mg/L | 0.0500 | 99.0 | 85-115 | 0.0237 | 20 |
| Copper     | 0.0501 | 0.0010 | mg/L | 0.0500 | 100  | 85-115 | 0.0537 | 20 |
| Lead       | 0.0497 | 0.0005 | mg/L | 0.0500 | 99.4 | 85-115 | 0.974  | 20 |
| Manganese  | 0.0506 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 0.639  | 20 |
| Molybdenum | 0.0499 | 0.0005 | mg/L | 0.0500 | 99.7 | 85-115 | 0.848  | 20 |
| Selenium   | 0.250  | 0.0010 | mg/L | 0.250  | 100  | 85-115 | 2.50   | 20 |
| Uranium    | 0.0502 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 | 0.327  | 20 |
| Zinc       | 0.0498 | 0.0020 | mg/L | 0.0500 | 99.6 | 85-115 | 0.231  | 20 |

##### Matrix Spike (B251472-MS1)

Source: 2505354-01

Prepared: 05/30/25 Analyzed: 06/02/25

|            |        |        |      |        |        |      |        |
|------------|--------|--------|------|--------|--------|------|--------|
| Arsenic    | 0.0535 | 0.0010 | mg/L | 0.0500 | ND     | 106  | 70-130 |
| Cadmium    | 0.0496 | 0.0005 | mg/L | 0.0500 | 0.0003 | 98.5 | 70-130 |
| Copper     | 0.0462 | 0.0010 | mg/L | 0.0500 | 0.0023 | 87.7 | 70-130 |
| Lead       | 0.0486 | 0.0005 | mg/L | 0.0500 | 0.0004 | 96.5 | 70-130 |
| Manganese  | 0.0723 | 0.0005 | mg/L | 0.0500 | 0.0279 | 88.9 | 70-130 |
| Molybdenum | 0.0520 | 0.0005 | mg/L | 0.0500 | 0.0013 | 101  | 70-130 |
| Selenium   | 0.273  | 0.0010 | mg/L | 0.250  | 0.0007 | 109  | 70-130 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/10/25 12:16

**Dissolved Metals by ICPMS - Quality Control  
(Continued)**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B251472 - Dissolved ICPMS (Continued)**

**Matrix Spike (B251472-MS1) (Continued)**

Source: 2505354-01 Prepared: 05/30/25 Analyzed: 06/02/25

|         |        |        |      |        |        |      |        |  |  |  |
|---------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Uranium | 0.0508 | 0.0005 | mg/L | 0.0500 | 0.0002 | 101  | 70-130 |  |  |  |
| Zinc    | 0.133  | 0.0020 | mg/L | 0.0500 | 0.0892 | 87.2 | 70-130 |  |  |  |

**Matrix Spike (B251472-MS2)**

Source: 2505367-01 Prepared: 05/30/25 Analyzed: 06/02/25

|            |        |        |      |        |        |      |        |  |  |  |
|------------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Arsenic    | 0.0567 | 0.0010 | mg/L | 0.0500 | 0.0019 | 110  | 70-130 |  |  |  |
| Cadmium    | 0.0493 | 0.0005 | mg/L | 0.0500 | ND     | 98.7 | 70-130 |  |  |  |
| Copper     | 0.0500 | 0.0010 | mg/L | 0.0500 | 0.0072 | 85.5 | 70-130 |  |  |  |
| Lead       | 0.0495 | 0.0005 | mg/L | 0.0500 | 0.0005 | 97.9 | 70-130 |  |  |  |
| Manganese  | 1.97   | 0.0005 | mg/L | 0.0500 | 1.93   | 70.6 | 70-130 |  |  |  |
| Molybdenum | 0.0516 | 0.0005 | mg/L | 0.0500 | 0.0011 | 101  | 70-130 |  |  |  |
| Selenium   | 0.286  | 0.0010 | mg/L | 0.250  | 0.0007 | 114  | 70-130 |  |  |  |
| Uranium    | 0.0518 | 0.0005 | mg/L | 0.0500 | 0.0004 | 103  | 70-130 |  |  |  |
| Zinc       | 0.0651 | 0.0020 | mg/L | 0.0500 | 0.0191 | 92.0 | 70-130 |  |  |  |

**Matrix Spike Dup (B251472-MSD1)**

Source: 2505354-01 Prepared: 05/30/25 Analyzed: 06/02/25

|            |        |        |      |        |        |      |        |        |    |  |
|------------|--------|--------|------|--------|--------|------|--------|--------|----|--|
| Arsenic    | 0.0535 | 0.0010 | mg/L | 0.0500 | ND     | 106  | 70-130 | 0.0817 | 20 |  |
| Cadmium    | 0.0494 | 0.0005 | mg/L | 0.0500 | 0.0003 | 98.1 | 70-130 | 0.382  | 20 |  |
| Copper     | 0.0463 | 0.0010 | mg/L | 0.0500 | 0.0023 | 88.0 | 70-130 | 0.229  | 20 |  |
| Lead       | 0.0491 | 0.0005 | mg/L | 0.0500 | 0.0004 | 97.5 | 70-130 | 0.950  | 20 |  |
| Manganese  | 0.0729 | 0.0005 | mg/L | 0.0500 | 0.0279 | 90.1 | 70-130 | 0.783  | 20 |  |
| Molybdenum | 0.0516 | 0.0005 | mg/L | 0.0500 | 0.0013 | 101  | 70-130 | 0.779  | 20 |  |
| Selenium   | 0.271  | 0.0010 | mg/L | 0.250  | 0.0007 | 108  | 70-130 | 0.841  | 20 |  |
| Uranium    | 0.0515 | 0.0005 | mg/L | 0.0500 | 0.0002 | 103  | 70-130 | 1.37   | 20 |  |
| Zinc       | 0.132  | 0.0020 | mg/L | 0.0500 | 0.0892 | 85.5 | 70-130 | 0.638  | 20 |  |

**Matrix Spike Dup (B251472-MSD2)**

Source: 2505367-01 Prepared: 05/30/25 Analyzed: 06/02/25

|            |        |        |      |        |        |      |        |       |    |    |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|----|
| Arsenic    | 0.0574 | 0.0010 | mg/L | 0.0500 | 0.0019 | 111  | 70-130 | 1.26  | 20 |    |
| Cadmium    | 0.0491 | 0.0005 | mg/L | 0.0500 | ND     | 98.3 | 70-130 | 0.407 | 20 |    |
| Copper     | 0.0494 | 0.0010 | mg/L | 0.0500 | 0.0072 | 84.4 | 70-130 | 1.14  | 20 |    |
| Lead       | 0.0503 | 0.0005 | mg/L | 0.0500 | 0.0005 | 99.5 | 70-130 | 1.63  | 20 |    |
| Manganese  | 1.94   | 0.0005 | mg/L | 0.0500 | 1.93   | 16.0 | 70-130 | 1.40  | 20 | M3 |
| Molybdenum | 0.0521 | 0.0005 | mg/L | 0.0500 | 0.0011 | 102  | 70-130 | 0.846 | 20 |    |
| Selenium   | 0.290  | 0.0010 | mg/L | 0.250  | 0.0007 | 116  | 70-130 | 1.56  | 20 |    |
| Uranium    | 0.0531 | 0.0005 | mg/L | 0.0500 | 0.0004 | 105  | 70-130 | 2.52  | 20 |    |
| Zinc       | 0.0650 | 0.0020 | mg/L | 0.0500 | 0.0191 | 91.8 | 70-130 | 0.216 | 20 |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/10/25 12:16

### Notes and Definitions

|     |                                                                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M3  | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| M2  | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| M1  | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |
| DET | Analyte DETECTED                                                                                                                                                                   |
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                                               |
| NR  | Not Reported                                                                                                                                                                       |
| dry | Sample results reported on a dry weight basis<br>*Results reported on as received basis unless designated as dry.                                                                  |
| RPD | Relative Percent Difference                                                                                                                                                        |
| LCS | Laboratory Control Sample (Blank Spike)                                                                                                                                            |
| RL  | Report Limit                                                                                                                                                                       |
| MDL | Method Detection Limit                                                                                                                                                             |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/10/25 12:16

### Qualifier Summary

| <u>LabNumber</u> | <u>Analysis</u>              | <u>Analyte</u>                         | <u>Qualifier</u> | <u>TextBody</u>                                                                                                                                                                    |
|------------------|------------------------------|----------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B251472-MSD2     | Manganese Dissolved by ICPMS | Manganese                              | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251492-MS1      | Calcium Dissolved by ICP     | Calcium                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251492-MS2      | Calcium Dissolved by ICP     | Calcium                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251492-MSD1     | Calcium Dissolved by ICP     | Calcium                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251492-MSD2     | Calcium Dissolved by ICP     | Calcium                                | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251535-MS2      | Fluoride [IC]                | Fluoride                               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251535-MSD2     | Fluoride [IC]                | Fluoride                               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251563-MSD2     | Alkalinity, Total            | Alkalinity, Total as CaCO <sub>3</sub> | M1               | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





Date/Initials of  
examining contents: LMWLabeled by initials: \_\_\_\_\_  
(If different than above)

## SAMPLE CONDITION RECEIPT FORM

Client Name: GCC FeNermyWork Order # 2505-367Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ OtherCustody Seals on Box/Cooler Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: \_\_\_\_\_Thermometer Used: #2 Samples on ice, cooling process has begun: ☒ Yes ☐ NoType of Ice: ☒ Wet ☐ Blue ☐ None Cooler Temp: \_\_\_\_\_ Observed Temp: 8.0 °C Correction Factor: 1.2 °C Final Temp: 8.2 °C  
\*Temp should be above freezing 6°CCompliance: ☐ Yes ☒ No

|                                                                                     |                                                                                                  |                                    |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------|
| Chain of Custody Filled Out:                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 1.                                 |
| COC Signed when Relinquished and Received:                                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 2.                                 |
| Sampler Name and Signature on COC:<br>*Required for compliance                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 3.                                 |
| Samples arrived within hold time:                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No                                         | 4.                                 |
| Correct Containers Used & Intact:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5. <u>Sample Turbidity &gt; 1.</u> |
| Short Hold Time Analysis (<72hr):                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 6. <u>pH</u>                       |
| Rush Turn Around Time Requested:                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 7.                                 |
| Sufficient Volume:                                                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 8.                                 |
| pH's acceptable upon receipt, where applicable:<br>*Not including metals bottles    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9.                                 |
| Dissolved Testing Needed:                                                           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 10. <u>DisC</u>                    |
| Field Filtered: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                  |                                    |
| Sample Labels match COC:<br>-Includes Date/Time/ID                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 11.                                |
| Matrix: <u>WT</u> <u>SL</u> <u>OT</u>                                               |                                                                                                  |                                    |
| Trip Blank Present:                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 12.                                |
| Trip Blank Custody Seals Present:                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |                                    |
| VOA's meet headspace requirement (<6mm bubbles)                                     | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |                                    |
| Non-Conformance(s):                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 13.                                |

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
jeremy.allen@greenanalytical.com

17 June 2025

Michael Dickson  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: [none]

Enclosed are the results of analyses for samples received by the laboratory on 05/30/25 16:12. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, reading 'Jeremy D. Allen', is displayed on a light blue rectangular background.

Report Station For Jeremy D Allen  
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

# Table of Contents

|                                |    |
|--------------------------------|----|
| Samples in Report              | 3  |
| Sample Results                 | 4  |
| 2505421-01: MW-HGA-4           | 4  |
| Quality Assurance Results      | 6  |
| Notes and Definitions          | 13 |
| Qualifier Summary              | 14 |
| Chain of Custody & Attachments | 15 |



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| MW-HGA-4  | 2505421-01    | Water  | 05/30/25 11:30 | 05/30/25 16:12 |       |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

## MW-HGA-4

**2505421-01 (Ground Water)**

**Sampled Date: 05/30/25 11:30**

**Sampled By: Brandon Waddell**

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

### General Chemistry

|                                                |        |       |        |           |   |                |                       |  |     |
|------------------------------------------------|--------|-------|--------|-----------|---|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 410    | 10.0  | 5.55   | mg/L      | 5 | 06/10/25 15:53 | 2320 B                |  | awg |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5 | 06/10/25 15:53 | 2320 B                |  | awg |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55   | mg/L      | 5 | 06/10/25 15:53 | 2320 B                |  | awg |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 410    | 10.0  | 5.55   | mg/L      | 5 | 06/10/25 15:53 | 2320 B                |  | awg |
| Cation/Anion Balance                           | 3.26   | -100  | -100   | %         | 1 | 06/11/25 08:59 | Calculation           |  | JDA |
| Chloride*                                      | 3.39   | 1.00  | 0.497  | mg/L      | 1 | 06/11/25 01:42 | EPA 300.0             |  | AWG |
| Fluoride*                                      | 0.413  | 0.100 | 0.0336 | mg/L      | 1 | 06/11/25 01:42 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.007  | mg/L as N | 1 | 06/06/25 14:49 | EPA 353.2             |  | HIC |
| pH*                                            | 7.29   |       |        | pH Units  | 1 | 05/30/25 16:33 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 15.5   |       |        | pH Units  | 1 | 05/30/25 16:33 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | 152    | 1.00  | 0.563  | mg/L      | 1 | 06/11/25 01:42 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 290    | 10.0  |        | mg/L      | 1 | 06/06/25 17:01 | EPA 160.1/SM<br>2540C |  | AWG |
| Total Organic Carbon*                          | 3.88   | 0.500 | 0.220  | mg/L      | 1 | 06/07/25 00:40 | 5310C                 |  | AES |

### Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 06/09/25 17:07 | EPA 200.7   |  | AWG |
| Calcium*                      | 84.8   | 0.100 | 0.072  | mg/L | 1 | 06/09/25 17:07 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 460    | 0.662 | 0.507  | mg/L | 1 | 06/09/25 17:07 | 2340 B      |  | AWG |
| Iron*                         | 9.38   | 0.050 | 0.035  | mg/L | 1 | 06/09/25 17:07 | EPA 200.7   |  | AWG |
| Magnesium*                    | 60.3   | 0.100 | 0.079  | mg/L | 1 | 06/09/25 17:07 | EPA 200.7   |  | AWG |
| Potassium*                    | 2.45   | 1.00  | 0.181  | mg/L | 1 | 06/09/25 17:07 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 13.0   | 1.07  | 0.0208 | mg/L | 1 | 06/09/25 17:07 | Calculation |  | AWG |
| Silicon                       | 6.09   | 0.500 | 0.010  | mg/L | 1 | 06/09/25 17:07 | EPA 200.7   |  | AWG |
| Sodium*                       | 40.6   | 1.00  | 0.756  | mg/L | 1 | 06/09/25 17:07 | EPA 200.7   |  | AWG |

### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |           |    |     |
|-------------|---------|--------|---------|------|---|----------------|-----------|----|-----|
| Arsenic*    | 0.0032  | 0.0010 | 0.0004  | mg/L | 1 | 06/05/25 16:47 | EPA 200.8 |    | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00005 | mg/L | 1 | 06/05/25 16:47 | EPA 200.8 |    | AES |
| Copper*     | 0.0027  | 0.0020 | 0.0007  | mg/L | 1 | 06/05/25 16:47 | EPA 200.8 | B3 | AES |
| Lead*       | <0.0005 | 0.0005 | 0.0001  | mg/L | 1 | 06/05/25 16:47 | EPA 200.8 |    | AES |
| Manganese*  | 0.382   | 0.0005 | 0.0002  | mg/L | 1 | 06/05/25 16:47 | EPA 200.8 |    | AES |
| Molybdenum* | 0.0050  | 0.0005 | 0.00004 | mg/L | 1 | 06/05/25 16:47 | EPA 200.8 |    | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### MW-HGA-4

**2505421-01 (Ground Water)**

**Sampled Date: 05/30/25 11:30**

**Sampled By: Brandon Waddell**

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

#### **Dissolved Metals by ICPMS**

|                  |               |        |         |      |   |                |           |  |     |
|------------------|---------------|--------|---------|------|---|----------------|-----------|--|-----|
| <b>Selenium*</b> | <b>0.0020</b> | 0.0010 | 0.0004  | mg/L | 1 | 06/05/25 16:47 | EPA 200.8 |  | AES |
| <b>Uranium</b>   | <0.0005       | 0.0005 | 0.00002 | mg/L | 1 | 06/05/25 16:47 | EPA 200.8 |  | AES |
| <b>Zinc*</b>     | <b>0.0113</b> | 0.0020 | 0.0005  | mg/L | 1 | 06/05/25 16:47 | EPA 200.8 |  | AES |

#### **Dissolved Mercury by CVAFS**

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 06/05/25 17:00 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### General Chemistry - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251534 - General Prep - Wet Chem

|                                 |      |                           |          |                               |      |  |  |       |     |  |
|---------------------------------|------|---------------------------|----------|-------------------------------|------|--|--|-------|-----|--|
| <b>Duplicate (B251534-DUP1)</b> |      | <b>Source: 2505414-01</b> |          | Prepared & Analyzed: 05/30/25 |      |  |  |       |     |  |
| pH                              | 8.02 |                           | pH Units |                               | 8.00 |  |  | 0.250 | 20  |  |
| pH Temperature, degrees C       | 21.3 |                           | pH Units |                               | 21.5 |  |  | 0.935 | 200 |  |

|                                 |      |                               |          |      |  |      |              |  |  |  |
|---------------------------------|------|-------------------------------|----------|------|--|------|--------------|--|--|--|
| <b>Reference (B251534-SRM1)</b> |      | Prepared & Analyzed: 05/30/25 |          |      |  |      |              |  |  |  |
| pH                              | 6.93 |                               | pH Units | 7.00 |  | 99.0 | 98.57-101.42 |  |  |  |

#### Batch B251548 - Lachat

|                             |    |                                       |           |  |  |  |  |  |  |  |
|-----------------------------|----|---------------------------------------|-----------|--|--|--|--|--|--|--|
| <b>Blank (B251548-BLK1)</b> |    | Prepared: 06/05/25 Analyzed: 06/06/25 |           |  |  |  |  |  |  |  |
| Nitrate/Nitrite as N        | ND | 0.020                                 | mg/L as N |  |  |  |  |  |  |  |

|                          |      |                                       |           |      |  |     |        |  |  |  |
|--------------------------|------|---------------------------------------|-----------|------|--|-----|--------|--|--|--|
| <b>LCS (B251548-BS1)</b> |      | Prepared: 06/05/25 Analyzed: 06/06/25 |           |      |  |     |        |  |  |  |
| Nitrate/Nitrite as N     | 1.03 | 0.020                                 | mg/L as N | 1.00 |  | 103 | 90-110 |  |  |  |

|                               |      |                                       |           |      |  |     |        |      |    |  |
|-------------------------------|------|---------------------------------------|-----------|------|--|-----|--------|------|----|--|
| <b>LCS Dup (B251548-BSD1)</b> |      | Prepared: 06/05/25 Analyzed: 06/06/25 |           |      |  |     |        |      |    |  |
| Nitrate/Nitrite as N          | 1.03 | 0.020                                 | mg/L as N | 1.00 |  | 103 | 90-110 | 0.00 | 20 |  |

|                                   |      |                           |           |                                       |      |     |        |  |  |  |
|-----------------------------------|------|---------------------------|-----------|---------------------------------------|------|-----|--------|--|--|--|
| <b>Matrix Spike (B251548-MS1)</b> |      | <b>Source: 2505369-15</b> |           | Prepared: 06/05/25 Analyzed: 06/06/25 |      |     |        |  |  |  |
| Nitrate/Nitrite as N              | 2.95 | 0.100                     | mg/L as N | 1.00                                  | 1.88 | 107 | 90-110 |  |  |  |

|                                   |      |                           |           |                                       |      |      |        |  |  |  |
|-----------------------------------|------|---------------------------|-----------|---------------------------------------|------|------|--------|--|--|--|
| <b>Matrix Spike (B251548-MS2)</b> |      | <b>Source: 2505369-16</b> |           | Prepared: 06/05/25 Analyzed: 06/06/25 |      |      |        |  |  |  |
| Nitrate/Nitrite as N              | 2.75 | 0.100                     | mg/L as N | 1.00                                  | 1.82 | 93.8 | 90-110 |  |  |  |

|                                        |      |                           |           |                                       |      |      |        |      |    |    |
|----------------------------------------|------|---------------------------|-----------|---------------------------------------|------|------|--------|------|----|----|
| <b>Matrix Spike Dup (B251548-MSD1)</b> |      | <b>Source: 2505369-15</b> |           | Prepared: 06/05/25 Analyzed: 06/06/25 |      |      |        |      |    |    |
| Nitrate/Nitrite as N                   | 2.77 | 0.100                     | mg/L as N | 1.00                                  | 1.88 | 89.4 | 90-110 | 6.30 | 20 | M2 |

|                                        |      |                           |           |                                       |      |      |        |      |    |    |
|----------------------------------------|------|---------------------------|-----------|---------------------------------------|------|------|--------|------|----|----|
| <b>Matrix Spike Dup (B251548-MSD2)</b> |      | <b>Source: 2505369-16</b> |           | Prepared: 06/05/25 Analyzed: 06/06/25 |      |      |        |      |    |    |
| Nitrate/Nitrite as N                   | 2.71 | 0.100                     | mg/L as N | 1.00                                  | 1.82 | 89.9 | 90-110 | 1.44 | 20 | M2 |

#### Batch B251568 - General Prep - Wet Chem

|                             |    |                               |      |  |  |  |  |  |  |  |
|-----------------------------|----|-------------------------------|------|--|--|--|--|--|--|--|
| <b>Blank (B251568-BLK1)</b> |    | Prepared & Analyzed: 06/06/25 |      |  |  |  |  |  |  |  |
| Total Organic Carbon        | ND | 0.500                         | mg/L |  |  |  |  |  |  |  |

|                          |      |                               |      |      |  |      |        |  |  |  |
|--------------------------|------|-------------------------------|------|------|--|------|--------|--|--|--|
| <b>LCS (B251568-BS1)</b> |      | Prepared & Analyzed: 06/06/25 |      |      |  |      |        |  |  |  |
| Total Organic Carbon     | 9.88 | 0.500                         | mg/L | 10.0 |  | 98.8 | 85-115 |  |  |  |

|                               |      |                               |      |      |  |      |        |       |    |  |
|-------------------------------|------|-------------------------------|------|------|--|------|--------|-------|----|--|
| <b>LCS Dup (B251568-BSD1)</b> |      | Prepared & Analyzed: 06/09/25 |      |      |  |      |        |       |    |  |
| Total Organic Carbon          | 9.84 | 0.500                         | mg/L | 10.0 |  | 98.4 | 85-115 | 0.355 | 20 |  |

|                                   |  |                           |  |                               |  |  |  |  |  |  |
|-----------------------------------|--|---------------------------|--|-------------------------------|--|--|--|--|--|--|
| <b>Matrix Spike (B251568-MS1)</b> |  | <b>Source: 2505414-01</b> |  | Prepared & Analyzed: 06/06/25 |  |  |  |  |  |  |
|-----------------------------------|--|---------------------------|--|-------------------------------|--|--|--|--|--|--|

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251568 - General Prep - Wet Chem (Continued)

##### Matrix Spike (B251568-MS1) (Continued)

Source: 2505414-01 Prepared & Analyzed: 06/06/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 12.9 | 0.500 | mg/L | 10.0 | 3.30 | 96.4 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

##### Matrix Spike (B251568-MS2)

Source: 2505414-02 Prepared & Analyzed: 06/06/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 13.2 | 0.500 | mg/L | 10.0 | 3.51 | 97.0 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

##### Matrix Spike Dup (B251568-MSD1)

Source: 2505414-01 Prepared & Analyzed: 06/06/25

|                      |      |       |      |      |      |      |        |       |    |  |
|----------------------|------|-------|------|------|------|------|--------|-------|----|--|
| Total Organic Carbon | 12.9 | 0.500 | mg/L | 10.0 | 3.30 | 95.5 | 80-120 | 0.698 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|-------|----|--|

##### Matrix Spike Dup (B251568-MSD2)

Source: 2505414-02 Prepared & Analyzed: 06/06/25

|                      |      |       |      |      |      |      |        |      |    |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|
| Total Organic Carbon | 12.9 | 0.500 | mg/L | 10.0 | 3.51 | 94.2 | 80-120 | 2.14 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|

#### Batch B251575 - General Prep - Wet Chem

##### Blank (B251575-BLK1)

Prepared & Analyzed: 06/06/25

|                        |    |      |      |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|
| Total Dissolved Solids | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|

##### Duplicate (B251575-DUP1)

Source: 2506041-01 Prepared & Analyzed: 06/06/25

|                        |     |      |      |  |     |  |  |      |    |  |
|------------------------|-----|------|------|--|-----|--|--|------|----|--|
| Total Dissolved Solids | 285 | 10.0 | mg/L |  | 305 |  |  | 6.79 | 20 |  |
|------------------------|-----|------|------|--|-----|--|--|------|----|--|

##### Reference (B251575-SRM1)

Prepared & Analyzed: 06/06/25

|                        |     |      |      |     |  |     |        |  |  |  |
|------------------------|-----|------|------|-----|--|-----|--------|--|--|--|
| Total Dissolved Solids | 410 | 10.0 | mg/L | 400 |  | 102 | 85-115 |  |  |  |
|------------------------|-----|------|------|-----|--|-----|--------|--|--|--|

#### Batch B251606 - IC- Ion Chromatograph

##### Blank (B251606-BLK1)

Prepared & Analyzed: 06/10/25

|          |    |       |      |  |  |  |  |  |  |  |
|----------|----|-------|------|--|--|--|--|--|--|--|
| Chloride | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Fluoride | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Sulfate  | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251606-BS1)

Prepared & Analyzed: 06/10/25

|          |      |       |      |      |  |      |        |  |  |  |
|----------|------|-------|------|------|--|------|--------|--|--|--|
| Chloride | 24.0 | 1.00  | mg/L | 25.0 |  | 96.1 | 90-110 |  |  |  |
| Fluoride | 2.56 | 0.100 | mg/L | 2.50 |  | 102  | 90-110 |  |  |  |
| Sulfate  | 24.4 | 1.00  | mg/L | 25.0 |  | 97.7 | 90-110 |  |  |  |

##### LCS Dup (B251606-BSD1)

Prepared & Analyzed: 06/10/25

|          |      |       |      |      |  |     |        |      |    |  |
|----------|------|-------|------|------|--|-----|--------|------|----|--|
| Chloride | 25.3 | 1.00  | mg/L | 25.0 |  | 101 | 90-110 | 5.31 | 20 |  |
| Fluoride | 2.69 | 0.100 | mg/L | 2.50 |  | 108 | 90-110 | 5.07 | 20 |  |
| Sulfate  | 25.7 | 1.00  | mg/L | 25.0 |  | 103 | 90-110 | 5.21 | 20 |  |

##### Matrix Spike (B251606-MS1)

Source: 2505419-01 Prepared & Analyzed: 06/10/25

|          |      |       |      |      |       |     |        |  |  |  |
|----------|------|-------|------|------|-------|-----|--------|--|--|--|
| Chloride | 54.7 | 1.00  | mg/L | 25.0 | 29.7  | 100 | 85-115 |  |  |  |
| Fluoride | 2.89 | 0.100 | mg/L | 2.50 | 0.341 | 102 | 85-115 |  |  |  |
| Sulfate  | 869  | 10.0  | mg/L | 25.0 | 877   | NR  | 85-115 |  |  |  |

M3

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251606 - IC- Ion Chromatograph (Continued)

|                                        |      |                           |      |                               |       |                    |        |        |    |    |
|----------------------------------------|------|---------------------------|------|-------------------------------|-------|--------------------|--------|--------|----|----|
| <b>Matrix Spike (B251606-MS2)</b>      |      | <b>Source: 2505420-03</b> |      | Prepared: 06/10/25            |       | Analyzed: 06/11/25 |        |        |    |    |
| Chloride                               | 24.3 | 1.00                      | mg/L | 25.0                          | ND    | 97.3               | 85-115 |        |    |    |
| Fluoride                               | 2.88 | 0.100                     | mg/L | 2.50                          | 0.187 | 108                | 85-115 |        |    |    |
| Sulfate                                | 136  | 1.00                      | mg/L | 25.0                          | 115   | 84.4               | 85-115 |        |    | M3 |
| <b>Matrix Spike Dup (B251606-MSD1)</b> |      | <b>Source: 2505419-01</b> |      | Prepared & Analyzed: 06/10/25 |       |                    |        |        |    |    |
| Chloride                               | 54.7 | 1.00                      | mg/L | 25.0                          | 29.7  | 100                | 85-115 | 0.0694 | 20 |    |
| Fluoride                               | 2.90 | 0.100                     | mg/L | 2.50                          | 0.341 | 102                | 85-115 | 0.311  | 20 |    |
| Sulfate                                | 871  | 10.0                      | mg/L | 25.0                          | 877   | NR                 | 85-115 | 0.297  | 20 | M3 |
| <b>Matrix Spike Dup (B251606-MSD2)</b> |      | <b>Source: 2505420-03</b> |      | Prepared: 06/10/25            |       | Analyzed: 06/11/25 |        |        |    |    |
| Chloride                               | 25.0 | 1.00                      | mg/L | 25.0                          | ND    | 100                | 85-115 | 2.74   | 20 |    |
| Fluoride                               | 2.94 | 0.100                     | mg/L | 2.50                          | 0.187 | 110                | 85-115 | 2.24   | 20 |    |
| Sulfate                                | 136  | 1.00                      | mg/L | 25.0                          | 115   | 87.3               | 85-115 | 0.522  | 20 |    |

#### Batch B251617 - General Prep - Wet Chem

|                                              |      |                               |      |                               |     |      |        |      |    |  |
|----------------------------------------------|------|-------------------------------|------|-------------------------------|-----|------|--------|------|----|--|
| <b>Blank (B251617-BLK1)</b>                  |      | Prepared & Analyzed: 06/10/25 |      |                               |     |      |        |      |    |  |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | ND   | 10.0                          | mg/L |                               |     |      |        |      |    |  |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND   | 10.0                          | mg/L |                               |     |      |        |      |    |  |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND   | 10.0                          | mg/L |                               |     |      |        |      |    |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | ND   | 10.0                          | mg/L |                               |     |      |        |      |    |  |
| <b>LCS (B251617-BS1)</b>                     |      | Prepared & Analyzed: 06/10/25 |      |                               |     |      |        |      |    |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | 98.0 | 10.0                          | mg/L | 100                           |     | 98.0 | 85-115 |      |    |  |
| <b>LCS Dup (B251617-BSD1)</b>                |      | Prepared & Analyzed: 06/10/25 |      |                               |     |      |        |      |    |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | 101  | 10.0                          | mg/L | 100                           |     | 101  | 85-115 | 3.02 | 20 |  |
| <b>Matrix Spike (B251617-MS1)</b>            |      | <b>Source: 2505414-01</b>     |      | Prepared & Analyzed: 06/10/25 |     |      |        |      |    |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | 220  | 10.0                          | mg/L | 100                           | 118 | 102  | 80-120 |      |    |  |
| <b>Matrix Spike (B251617-MS2)</b>            |      | <b>Source: 2505419-01</b>     |      | Prepared & Analyzed: 06/10/25 |     |      |        |      |    |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | 745  | 10.0                          | mg/L | 500                           | 230 | 103  | 80-120 |      |    |  |
| <b>Matrix Spike Dup (B251617-MSD1)</b>       |      | <b>Source: 2505414-01</b>     |      | Prepared & Analyzed: 06/10/25 |     |      |        |      |    |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | 217  | 10.0                          | mg/L | 100                           | 118 | 99.0 | 80-120 | 1.37 | 20 |  |
| <b>Matrix Spike Dup (B251617-MSD2)</b>       |      | <b>Source: 2505419-01</b>     |      | Prepared & Analyzed: 06/10/25 |     |      |        |      |    |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | 735  | 10.0                          | mg/L | 500                           | 230 | 101  | 80-120 | 1.35 | 20 |  |
| <b>Reference (B251617-SRM1)</b>              |      | Prepared & Analyzed: 06/10/25 |      |                               |     |      |        |      |    |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | 102  | 10.0                          | mg/L | 100                           |     | 102  | 85-115 |      |    |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251554 - Dissolved ICP

##### Blank (B251554-BLK1)

Prepared: 06/05/25 Analyzed: 06/09/25

|           |    |       |      |  |  |  |  |  |  |  |
|-----------|----|-------|------|--|--|--|--|--|--|--|
| Aluminum  | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Calcium   | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Iron      | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Magnesium | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Potassium | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Silicon   | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
| Sodium    | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251554-BS1)

Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |  |     |        |  |  |  |
|-----------|------|-------|------|------|--|-----|--------|--|--|--|
| Aluminum  | 4.04 | 0.050 | mg/L | 4.00 |  | 101 | 85-115 |  |  |  |
| Calcium   | 4.13 | 0.100 | mg/L | 4.00 |  | 103 | 85-115 |  |  |  |
| Iron      | 4.14 | 0.050 | mg/L | 4.00 |  | 103 | 85-115 |  |  |  |
| Magnesium | 21.5 | 0.100 | mg/L | 20.0 |  | 107 | 85-115 |  |  |  |
| Potassium | 8.27 | 1.00  | mg/L | 8.00 |  | 103 | 85-115 |  |  |  |
| Silicon   | 4.11 | 0.500 | mg/L | 4.00 |  | 103 | 85-115 |  |  |  |
| Sodium    | 3.34 | 1.00  | mg/L | 3.24 |  | 103 | 85-115 |  |  |  |

##### LCS Dup (B251554-BSD1)

Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |  |      |        |      |    |  |
|-----------|------|-------|------|------|--|------|--------|------|----|--|
| Aluminum  | 3.95 | 0.050 | mg/L | 4.00 |  | 98.9 | 85-115 | 2.10 | 20 |  |
| Calcium   | 4.01 | 0.100 | mg/L | 4.00 |  | 100  | 85-115 | 3.02 | 20 |  |
| Iron      | 4.01 | 0.050 | mg/L | 4.00 |  | 100  | 85-115 | 3.28 | 20 |  |
| Magnesium | 20.9 | 0.100 | mg/L | 20.0 |  | 104  | 85-115 | 2.81 | 20 |  |
| Potassium | 8.17 | 1.00  | mg/L | 8.00 |  | 102  | 85-115 | 1.15 | 20 |  |
| Silicon   | 4.00 | 0.500 | mg/L | 4.00 |  | 100  | 85-115 | 2.59 | 20 |  |
| Sodium    | 3.24 | 1.00  | mg/L | 3.24 |  | 100  | 85-115 | 2.92 | 20 |  |

##### Matrix Spike (B251554-MS1)

Source: 2505423-01

Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |      |      |        |  |  |    |
|-----------|------|-------|------|------|------|------|--------|--|--|----|
| Aluminum  | 3.73 | 0.050 | mg/L | 4.00 | ND   | 93.3 | 70-130 |  |  |    |
| Calcium   | 40.9 | 0.100 | mg/L | 4.00 | 41.8 | NR   | 70-130 |  |  | M3 |
| Iron      | 3.76 | 0.050 | mg/L | 4.00 | ND   | 94.1 | 70-130 |  |  |    |
| Magnesium | 35.7 | 0.100 | mg/L | 20.0 | 17.2 | 92.2 | 70-130 |  |  |    |
| Potassium | 8.71 | 1.00  | mg/L | 8.00 | 1.26 | 93.2 | 70-130 |  |  |    |
| Silicon   | 7.30 | 0.500 | mg/L | 4.00 | 3.76 | 88.6 | 70-130 |  |  |    |
| Sodium    | 10.0 | 1.00  | mg/L | 3.24 | 7.74 | 70.6 | 70-130 |  |  |    |

##### Matrix Spike (B251554-MS2)

Source: 2506009-02

Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |       |      |        |  |  |    |
|-----------|------|-------|------|------|-------|------|--------|--|--|----|
| Aluminum  | 3.68 | 0.050 | mg/L | 4.00 | ND    | 92.1 | 70-130 |  |  |    |
| Calcium   | 26.6 | 0.100 | mg/L | 4.00 | 25.4  | 29.0 | 70-130 |  |  | M3 |
| Iron      | 3.70 | 0.050 | mg/L | 4.00 | ND    | 92.4 | 70-130 |  |  |    |
| Magnesium | 23.5 | 0.100 | mg/L | 20.0 | 4.60  | 94.5 | 70-130 |  |  |    |
| Potassium | 8.18 | 1.00  | mg/L | 8.00 | 0.735 | 93.0 | 70-130 |  |  |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### Dissolved Metals by ICP - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251554 - Dissolved ICP (Continued)

##### Matrix Spike (B251554-MS2) (Continued)

Source: 2506009-02 Prepared: 06/05/25 Analyzed: 06/09/25

|         |      |       |      |      |       |      |        |  |  |  |
|---------|------|-------|------|------|-------|------|--------|--|--|--|
| Silicon | 4.43 | 0.500 | mg/L | 4.00 | 0.768 | 91.7 | 70-130 |  |  |  |
| Sodium  | 3.97 | 1.00  | mg/L | 3.24 | 0.974 | 92.5 | 70-130 |  |  |  |

##### Matrix Spike Dup (B251554-MSD1)

Source: 2505423-01 Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |      |      |        |       |    |    |
|-----------|------|-------|------|------|------|------|--------|-------|----|----|
| Aluminum  | 3.82 | 0.250 | mg/L | 4.00 | ND   | 95.5 | 70-130 | 2.34  | 20 |    |
| Calcium   | 43.0 | 0.500 | mg/L | 4.00 | 41.8 | 28.9 | 70-130 | 4.93  | 20 | M3 |
| Iron      | 3.81 | 0.250 | mg/L | 4.00 | ND   | 95.3 | 70-130 | 1.29  | 20 |    |
| Magnesium | 36.5 | 0.500 | mg/L | 20.0 | 17.2 | 96.3 | 70-130 | 2.28  | 20 |    |
| Potassium | 9.00 | 5.00  | mg/L | 8.00 | 1.26 | 96.7 | 70-130 | 3.19  | 20 |    |
| Silicon   | 7.36 | 2.50  | mg/L | 4.00 | 3.76 | 90.0 | 70-130 | 0.751 | 20 |    |
| Sodium    | 9.84 | 5.00  | mg/L | 3.24 | 7.74 | 64.6 | 70-130 | 1.94  | 20 | M1 |

##### Matrix Spike Dup (B251554-MSD2)

Source: 2506009-02 Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |       |      |        |       |    |    |
|-----------|------|-------|------|------|-------|------|--------|-------|----|----|
| Aluminum  | 3.60 | 0.250 | mg/L | 4.00 | ND    | 89.9 | 70-130 | 2.46  | 20 |    |
| Calcium   | 26.6 | 0.500 | mg/L | 4.00 | 25.4  | 29.7 | 70-130 | 0.104 | 20 | M3 |
| Iron      | 3.67 | 0.250 | mg/L | 4.00 | ND    | 91.8 | 70-130 | 0.671 | 20 |    |
| Magnesium | 23.2 | 0.500 | mg/L | 20.0 | 4.60  | 92.9 | 70-130 | 1.37  | 20 |    |
| Potassium | 8.06 | 5.00  | mg/L | 8.00 | ND    | 101  | 70-130 | 1.41  | 20 |    |
| Silicon   | 4.32 | 2.50  | mg/L | 4.00 | 0.768 | 88.9 | 70-130 | 2.49  | 20 |    |
| Sodium    | ND   | 5.00  | mg/L | 3.24 | ND    |      | 70-130 |       | 20 | M2 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251543 - Dissolved ICPMS

##### Blank (B251543-BLK1)

Prepared & Analyzed: 06/05/25

|            |        |        |      |  |  |  |  |  |  |    |
|------------|--------|--------|------|--|--|--|--|--|--|----|
| Arsenic    | ND     | 0.0010 | mg/L |  |  |  |  |  |  |    |
| Cadmium    | ND     | 0.0005 | mg/L |  |  |  |  |  |  |    |
| Copper     | 0.0011 | 0.0010 | mg/L |  |  |  |  |  |  | B3 |
| Lead       | ND     | 0.0005 | mg/L |  |  |  |  |  |  |    |
| Manganese  | ND     | 0.0005 | mg/L |  |  |  |  |  |  |    |
| Molybdenum | ND     | 0.0005 | mg/L |  |  |  |  |  |  |    |
| Selenium   | ND     | 0.0010 | mg/L |  |  |  |  |  |  |    |
| Uranium    | ND     | 0.0005 | mg/L |  |  |  |  |  |  |    |
| Zinc       | ND     | 0.0020 | mg/L |  |  |  |  |  |  |    |

##### LCS (B251543-BS1)

Prepared & Analyzed: 06/05/25

|            |        |        |      |        |      |        |  |  |  |
|------------|--------|--------|------|--------|------|--------|--|--|--|
| Arsenic    | 0.0509 | 0.0010 | mg/L | 0.0500 | 102  | 85-115 |  |  |  |
| Cadmium    | 0.0494 | 0.0005 | mg/L | 0.0500 | 98.8 | 85-115 |  |  |  |
| Copper     | 0.0507 | 0.0010 | mg/L | 0.0500 | 101  | 85-115 |  |  |  |
| Lead       | 0.0507 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |  |  |  |
| Manganese  | 0.0503 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |  |  |  |
| Molybdenum | 0.0506 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |  |  |  |
| Selenium   | 0.247  | 0.0010 | mg/L | 0.250  | 98.9 | 85-115 |  |  |  |
| Uranium    | 0.0499 | 0.0005 | mg/L | 0.0500 | 99.7 | 85-115 |  |  |  |
| Zinc       | 0.0500 | 0.0020 | mg/L | 0.0500 | 100  | 85-115 |  |  |  |

##### LCS Dup (B251543-BSD1)

Prepared & Analyzed: 06/05/25

|            |        |        |      |        |      |        |         |    |
|------------|--------|--------|------|--------|------|--------|---------|----|
| Arsenic    | 0.0504 | 0.0010 | mg/L | 0.0500 | 101  | 85-115 | 0.855   | 20 |
| Cadmium    | 0.0493 | 0.0005 | mg/L | 0.0500 | 98.6 | 85-115 | 0.157   | 20 |
| Copper     | 0.0503 | 0.0010 | mg/L | 0.0500 | 101  | 85-115 | 0.761   | 20 |
| Lead       | 0.0505 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 0.263   | 20 |
| Manganese  | 0.0503 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 0.00230 | 20 |
| Molybdenum | 0.0509 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 0.521   | 20 |
| Selenium   | 0.250  | 0.0010 | mg/L | 0.250  | 99.9 | 85-115 | 0.993   | 20 |
| Uranium    | 0.0506 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 1.44    | 20 |
| Zinc       | 0.0491 | 0.0020 | mg/L | 0.0500 | 98.1 | 85-115 | 1.95    | 20 |

##### Matrix Spike (B251543-MS1)

Source: 2505414-01

Prepared & Analyzed: 06/05/25

|            |        |        |      |        |        |      |        |
|------------|--------|--------|------|--------|--------|------|--------|
| Arsenic    | 0.0561 | 0.0010 | mg/L | 0.0500 | 0.0008 | 111  | 70-130 |
| Cadmium    | 0.0496 | 0.0005 | mg/L | 0.0500 | ND     | 99.3 | 70-130 |
| Copper     | 0.0399 | 0.0010 | mg/L | 0.0500 | 0.0014 | 77.2 | 70-130 |
| Lead       | 0.0511 | 0.0005 | mg/L | 0.0500 | ND     | 102  | 70-130 |
| Manganese  | 0.0454 | 0.0005 | mg/L | 0.0500 | 0.0044 | 82.1 | 70-130 |
| Molybdenum | 0.0557 | 0.0005 | mg/L | 0.0500 | 0.0030 | 105  | 70-130 |
| Selenium   | 0.290  | 0.0010 | mg/L | 0.250  | 0.0015 | 116  | 70-130 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### Dissolved Metals by ICPMS - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251543 - Dissolved ICPMS (Continued)

##### Matrix Spike (B251543-MS1) (Continued)

Source: 2505414-01 Prepared & Analyzed: 06/05/25

|         |        |        |      |        |        |      |        |  |  |  |
|---------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Uranium | 0.0563 | 0.0005 | mg/L | 0.0500 | 0.0027 | 107  | 70-130 |  |  |  |
| Zinc    | 0.0430 | 0.0020 | mg/L | 0.0500 | 0.0020 | 81.9 | 70-130 |  |  |  |

##### Matrix Spike (B251543-MS2)

Source: 2505414-02 Prepared & Analyzed: 06/05/25

|            |        |        |      |        |        |      |        |  |  |  |
|------------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Arsenic    | 0.0579 | 0.0010 | mg/L | 0.0500 | 0.0007 | 115  | 70-130 |  |  |  |
| Cadmium    | 0.0497 | 0.0005 | mg/L | 0.0500 | ND     | 99.4 | 70-130 |  |  |  |
| Copper     | 0.0394 | 0.0010 | mg/L | 0.0500 | 0.0013 | 76.1 | 70-130 |  |  |  |
| Lead       | 0.0501 | 0.0005 | mg/L | 0.0500 | ND     | 100  | 70-130 |  |  |  |
| Manganese  | 0.0460 | 0.0005 | mg/L | 0.0500 | 0.0049 | 82.2 | 70-130 |  |  |  |
| Molybdenum | 0.0570 | 0.0005 | mg/L | 0.0500 | 0.0031 | 108  | 70-130 |  |  |  |
| Selenium   | 0.298  | 0.0010 | mg/L | 0.250  | 0.0016 | 119  | 70-130 |  |  |  |
| Uranium    | 0.0562 | 0.0005 | mg/L | 0.0500 | 0.0026 | 107  | 70-130 |  |  |  |
| Zinc       | 0.0425 | 0.0020 | mg/L | 0.0500 | 0.0019 | 81.3 | 70-130 |  |  |  |

##### Matrix Spike Dup (B251543-MSD1)

Source: 2505414-01 Prepared & Analyzed: 06/05/25

|            |        |        |      |        |        |      |        |       |    |  |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|--|
| Arsenic    | 0.0571 | 0.0010 | mg/L | 0.0500 | 0.0008 | 113  | 70-130 | 1.86  | 20 |  |
| Cadmium    | 0.0494 | 0.0005 | mg/L | 0.0500 | ND     | 98.8 | 70-130 | 0.449 | 20 |  |
| Copper     | 0.0394 | 0.0010 | mg/L | 0.0500 | 0.0014 | 76.2 | 70-130 | 1.21  | 20 |  |
| Lead       | 0.0490 | 0.0005 | mg/L | 0.0500 | ND     | 98.1 | 70-130 | 4.18  | 20 |  |
| Manganese  | 0.0452 | 0.0005 | mg/L | 0.0500 | 0.0044 | 81.7 | 70-130 | 0.465 | 20 |  |
| Molybdenum | 0.0555 | 0.0005 | mg/L | 0.0500 | 0.0030 | 105  | 70-130 | 0.469 | 20 |  |
| Selenium   | 0.292  | 0.0010 | mg/L | 0.250  | 0.0015 | 116  | 70-130 | 0.651 | 20 |  |
| Uranium    | 0.0553 | 0.0005 | mg/L | 0.0500 | 0.0027 | 105  | 70-130 | 1.88  | 20 |  |
| Zinc       | 0.0421 | 0.0020 | mg/L | 0.0500 | 0.0020 | 80.3 | 70-130 | 1.98  | 20 |  |

##### Matrix Spike Dup (B251543-MSD2)

Source: 2505414-02 Prepared & Analyzed: 06/05/25

|            |        |        |      |        |        |      |        |       |    |  |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|--|
| Arsenic    | 0.0597 | 0.0010 | mg/L | 0.0500 | 0.0007 | 118  | 70-130 | 2.91  | 20 |  |
| Cadmium    | 0.0493 | 0.0005 | mg/L | 0.0500 | ND     | 98.7 | 70-130 | 0.699 | 20 |  |
| Copper     | 0.0395 | 0.0010 | mg/L | 0.0500 | 0.0013 | 76.4 | 70-130 | 0.363 | 20 |  |
| Lead       | 0.0503 | 0.0005 | mg/L | 0.0500 | ND     | 101  | 70-130 | 0.275 | 20 |  |
| Manganese  | 0.0461 | 0.0005 | mg/L | 0.0500 | 0.0049 | 82.4 | 70-130 | 0.280 | 20 |  |
| Molybdenum | 0.0566 | 0.0005 | mg/L | 0.0500 | 0.0031 | 107  | 70-130 | 0.740 | 20 |  |
| Selenium   | 0.300  | 0.0010 | mg/L | 0.250  | 0.0016 | 120  | 70-130 | 0.657 | 20 |  |
| Uranium    | 0.0571 | 0.0005 | mg/L | 0.0500 | 0.0026 | 109  | 70-130 | 1.70  | 20 |  |
| Zinc       | 0.0423 | 0.0020 | mg/L | 0.0500 | 0.0019 | 80.9 | 70-130 | 0.483 | 20 |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### Dissolved Mercury by CVAFS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251511 - EPA 245.7

##### Blank (B251511-BLK1)

Prepared: 06/03/25 Analyzed: 06/05/25

|         |    |     |      |
|---------|----|-----|------|
| Mercury | ND | 100 | ng/L |
|---------|----|-----|------|

##### LCS (B251511-BS1)

Prepared: 06/03/25 Analyzed: 06/05/25

|         |     |     |      |      |      |        |
|---------|-----|-----|------|------|------|--------|
| Mercury | 828 | 100 | ng/L | 1000 | 82.8 | 76-113 |
|---------|-----|-----|------|------|------|--------|

##### LCS Dup (B251511-BSD1)

Prepared: 06/03/25 Analyzed: 06/05/25

|         |     |     |      |      |      |        |       |    |
|---------|-----|-----|------|------|------|--------|-------|----|
| Mercury | 822 | 100 | ng/L | 1000 | 82.2 | 76-113 | 0.702 | 20 |
|---------|-----|-----|------|------|------|--------|-------|----|

##### Matrix Spike (B251511-MS1)

Source: 2505414-01 Prepared: 06/03/25 Analyzed: 06/05/25

|         |     |     |      |      |    |      |        |
|---------|-----|-----|------|------|----|------|--------|
| Mercury | 919 | 100 | ng/L | 1000 | ND | 91.9 | 63-111 |
|---------|-----|-----|------|------|----|------|--------|

##### Matrix Spike Dup (B251511-MSD1)

Source: 2505414-01 Prepared: 06/03/25 Analyzed: 06/05/25

|         |     |     |      |      |    |      |        |       |     |
|---------|-----|-----|------|------|----|------|--------|-------|-----|
| Mercury | 913 | 100 | ng/L | 1000 | ND | 91.3 | 63-111 | 0.645 | 200 |
|---------|-----|-----|------|------|----|------|--------|-------|-----|

### Notes and Definitions

|     |                                                                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M3  | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| M2  | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| M1  | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |
| B3  | Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result.                                                     |
| DET | Analyte DETECTED                                                                                                                                                                   |
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                                               |
| NR  | Not Reported                                                                                                                                                                       |
| dry | Sample results reported on a dry weight basis<br>*Results reported on as received basis unless designated as dry.                                                                  |
| RPD | Relative Percent Difference                                                                                                                                                        |
| LCS | Laboratory Control Sample (Blank Spike)                                                                                                                                            |
| RL  | Report Limit                                                                                                                                                                       |
| MDL | Method Detection Limit                                                                                                                                                             |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### Qualifier Summary

| <u>LabNumber</u>    | <u>Analysis</u>           | <u>Analyte</u>       | <u>Qualifier</u> | <u>TextBody</u>                                                                                                                                                                    |
|---------------------|---------------------------|----------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2505421-01</b>   | Copper Dissolved by ICPMS | Copper               | B3               | Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result.                                                     |
| <b>B251543-BLK1</b> | Copper Dissolved by ICPMS | Copper               | B3               | Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result.                                                     |
| <b>B251548-MSD1</b> | Nitrate/Nitrite [LCHAT]   | Nitrate/Nitrite as N | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| <b>B251548-MSD2</b> | Nitrate/Nitrite [LCHAT]   | Nitrate/Nitrite as N | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| <b>B251554-MS1</b>  | Calcium Dissolved by ICP  | Calcium              | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251554-MS2</b>  | Calcium Dissolved by ICP  | Calcium              | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251554-MSD1</b> | Calcium Dissolved by ICP  | Calcium              | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251554-MSD1</b> | Sodium Dissolved by ICP   | Sodium               | M1               | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |
| <b>B251554-MSD2</b> | Calcium Dissolved by ICP  | Calcium              | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251554-MSD2</b> | Sodium Dissolved by ICP   | Sodium               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| <b>B251606-MS1</b>  | Sulfate [IC]              | Sulfate              | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251606-MS2</b>  | Sulfate [IC]              | Sulfate              | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251606-MSD1</b> | Sulfate [IC]              | Sulfate              | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



75 Suttle Street  
Durango, CO 81303  
(970) 247-4220

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST  
FORM-006, R 8.0

Note: Write-Out™ or similar products cannot be used on the Chain of Custody

|                                                                                      |  |                         |  |                  |  |
|--------------------------------------------------------------------------------------|--|-------------------------|--|------------------|--|
| Company or Client: GCC Energy                                                        |  | Bill to (if different): |  | ANALYSIS REQUEST |  |
| Address: 6473 CR 120                                                                 |  |                         |  |                  |  |
| City: Hesperus                                                                       |  | State: CO Zip: 81326    |  |                  |  |
| Phone #: 970.385.4528                                                                |  |                         |  |                  |  |
| Contact Person: Michael Dickson for billing; Landon Beck for logistical or technical |  |                         |  |                  |  |
| Email Report to: mdickson@gcc.com; lbeck@slrconsulting.com; tom@haygulhservices.com  |  |                         |  |                  |  |
| Project Name(optional):                                                              |  | P.O. #:                 |  |                  |  |

|                                       |  |                                                            |  |                                     |  |
|---------------------------------------|--|------------------------------------------------------------|--|-------------------------------------|--|
| Sampler Name (Print): Brandon Waddell |  | Matrix (check one)                                         |  | # of containers                     |  |
|                                       |  | Y <input type="radio"/> N <input checked="" type="radio"/> |  |                                     |  |
| Lab I.D. 2505421                      |  | Date                                                       |  | Time                                |  |
| 201                                   |  | 5-30-25                                                    |  | 11:30                               |  |
| Sample Name or Location               |  | GROUNDWATER                                                |  | <input checked="" type="checkbox"/> |  |
|                                       |  | SURFACE WATER                                              |  | <input type="checkbox"/>            |  |
|                                       |  | WASTEWATER                                                 |  | <input type="checkbox"/>            |  |
|                                       |  | PRODUCED WATER                                             |  | <input type="checkbox"/>            |  |
|                                       |  | DRINKING WATER                                             |  | <input type="checkbox"/>            |  |
|                                       |  | SOIL                                                       |  | <input type="checkbox"/>            |  |
|                                       |  | OTHER:                                                     |  | <input type="checkbox"/>            |  |
|                                       |  | No preservation                                            |  | <input checked="" type="checkbox"/> |  |
|                                       |  | Nitric Acid                                                |  | <input type="checkbox"/>            |  |
|                                       |  | Hydrochloric Acid                                          |  | <input type="checkbox"/>            |  |
|                                       |  | Sulfuric Acid                                              |  | <input type="checkbox"/>            |  |
|                                       |  | Sodium Hydroxide                                           |  | <input type="checkbox"/>            |  |
|                                       |  | OTHER:                                                     |  | <input type="checkbox"/>            |  |
|                                       |  | GCC GW Baseline                                            |  | <input checked="" type="checkbox"/> |  |
|                                       |  | GCC SW Baseline                                            |  | <input type="checkbox"/>            |  |
|                                       |  | GCC S&S Baseline                                           |  | <input type="checkbox"/>            |  |

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion of the applicable service. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

|                  |               |              |               |                                             |                                                  |
|------------------|---------------|--------------|---------------|---------------------------------------------|--------------------------------------------------|
| Relinquished By: | Date: 5/30/25 | Received By: | Date: 5/30/25 | ADDITIONAL REMARKS:                         |                                                  |
|                  | Time: 16:10   |              | Time: 16:12   |                                             |                                                  |
| Relinquished By: | Date:         | Received By: | Date:         |                                             |                                                  |
|                  | Time:         |              | Time:         |                                             |                                                  |
| Relinquished By: | Date:         | Received By: | Date:         | Temperature at receipt:                     | Checked by:                                      |
|                  | Time:         |              | Time:         | 54/45 °C                                    | CMW                                              |
|                  |               |              |               | On Ice? <input checked="" type="checkbox"/> | Therm. used: <input checked="" type="checkbox"/> |



**SAMPLE CONDITION RECEIPT FORM**

Client Name: GCC energy

Work Order # 2505 421

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ Other

Custody Seals on Box/Cooler Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☒ No GAL Cooler #: \_\_\_\_\_

Thermometer Used: 02 Samples on ice, cooling process has begun: ☒ Yes ☐ No

Type of Ice: ☒ Wet ☐ Blue ☐ None Cooler Temp: Observed Temp: 5.4 °C Correction Factor: -0.9 °C Final Temp: 4.5 °C  
\*Temp should be above freezing 6°C

Compliance: ☐ Yes ☐ No

|                                                                                     |                                                                                                  |              |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------|
| Chain of Custody Filled Out:                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 1.           |
| COC Signed when Relinquished and Received:                                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 2.           |
| Sampler Name and Signature on COC:<br>*Required for compliance                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 3.           |
| Samples arrived within hold time:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 4.           |
| Correct Containers Used & Intact:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5.           |
| Short Hold Time Analysis (<72hr):                                                   | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No                   | 6. <u>PH</u> |
| Rush Turn Around Time Requested:                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 7.           |
| Sufficient Volume:                                                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 8.           |
| pH's acceptable upon receipt, where applicable:<br>*Not including metals bottles    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9.           |
| Dissolved Testing Needed:                                                           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 10.          |
| Field Filtered: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                  | 11.          |
| Sample Labels match COC:<br>-Includes Date/Time/ID                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              |              |
| Matrix:                                                                             | <input checked="" type="checkbox"/> WT <input type="checkbox"/> SL <input type="checkbox"/> OT   | 12.          |
| Trip Blank Present:                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |              |
| Trip Blank Custody Seals Present:                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |              |
| VOA's meet headspace requirement (<6mm bubbles)                                     | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |              |
| Non-Conformance(s):                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No                                         | 13.          |

Client Notification/Resolution:

Date/Time: \_\_\_\_\_

Person Contacted: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
jeremy.allen@greenanalytical.com

17 June 2025

Michael Dickson  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: [none]

Enclosed are the results of analyses for samples received by the laboratory on 05/30/25 16:12. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads 'Jeremy D. Allen'. The signature is written in a cursive style and is enclosed within a light blue rectangular border.

Report Station For Jeremy D Allen  
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

# Table of Contents

|                                |    |
|--------------------------------|----|
| Samples in Report              | 3  |
| Sample Results                 | 4  |
| 2505422-01: Wiltse Well        | 4  |
| Quality Assurance Results      | 6  |
| Notes and Definitions          | 13 |
| Qualifier Summary              | 14 |
| Chain of Custody & Attachments | 15 |



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID   | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-------------|---------------|--------|----------------|----------------|-------|
| Wiltse Well | 2505422-01    | Water  | 05/30/25 14:51 | 05/30/25 16:12 |       |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### Wiltse Well

**2505422-01 (Ground Water)**

**Sampled Date: 05/30/25 14:51**

**Sampled By: Brandon Waddell**

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

#### General Chemistry

|                                                |        |       |       |           |   |                |                       |  |     |
|------------------------------------------------|--------|-------|-------|-----------|---|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 480    | 10.0  | 5.55  | mg/L      | 5 | 06/11/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 5 | 06/11/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 5 | 06/11/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 480    | 10.0  | 5.55  | mg/L      | 5 | 06/11/25 00:00 | 2320 B                |  | AWG |
| Cation/Anion Balance                           | -2.74  | -100  | -100  | %         | 1 | 06/11/25 08:59 | Calculation           |  | JDA |
| Chloride*                                      | 44.9   | 5.00  | 2.49  | mg/L      | 5 | 06/11/25 04:08 | EPA 300.0             |  | AWG |
| Fluoride*                                      | <0.500 | 0.500 | 0.168 | mg/L      | 5 | 06/11/25 04:08 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | 1.09   | 0.020 | 0.007 | mg/L as N | 1 | 06/06/25 14:51 | EPA 353.2             |  | HIC |
| pH*                                            | 7.07   |       |       | pH Units  | 1 | 05/30/25 16:33 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 17.8   |       |       | pH Units  | 1 | 05/30/25 16:33 | EPA 150.1/9040C       |  | HIC |
| Sulfate*                                       | 868    | 5.00  | 2.81  | mg/L      | 5 | 06/11/25 04:08 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 1700   | 10.0  |       | mg/L      | 1 | 06/06/25 17:03 | EPA 160.1/SM<br>2540C |  | AWG |
| Total Organic Carbon*                          | 3.77   | 0.500 | 0.220 | mg/L      | 1 | 06/07/25 00:59 | 5310C                 |  | AES |

#### Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.100 | 0.100 | 0.071  | mg/L | 2 | 06/09/25 17:13 | EPA 200.7   |  | AWG |
| Calcium*                      | 230    | 0.200 | 0.145  | mg/L | 2 | 06/09/25 17:13 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 1190   | 1.32  | 1.01   | mg/L | 2 | 06/09/25 17:13 | 2340 B      |  | AWG |
| Iron*                         | <0.100 | 0.100 | 0.069  | mg/L | 2 | 06/09/25 17:13 | EPA 200.7   |  | AWG |
| Magnesium*                    | 149    | 0.200 | 0.159  | mg/L | 2 | 06/09/25 17:13 | EPA 200.7   |  | AWG |
| Potassium*                    | 4.84   | 2.00  | 0.362  | mg/L | 2 | 06/09/25 17:13 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 13.1   | 2.14  | 0.0416 | mg/L | 2 | 06/09/25 17:13 | Calculation |  | AWG |
| Silicon                       | 6.13   | 1.00  | 0.019  | mg/L | 2 | 06/09/25 17:13 | EPA 200.7   |  | AWG |
| Sodium*                       | 61.4   | 2.00  | 1.51   | mg/L | 2 | 06/09/25 17:13 | EPA 200.7   |  | AWG |

#### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |           |    |     |
|-------------|---------|--------|---------|------|---|----------------|-----------|----|-----|
| Arsenic*    | <0.0020 | 0.0020 | 0.0008  | mg/L | 2 | 06/05/25 16:49 | EPA 200.8 |    | AES |
| Cadmium*    | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 06/05/25 16:49 | EPA 200.8 |    | AES |
| Copper*     | <0.0040 | 0.0040 | 0.0015  | mg/L | 2 | 06/05/25 16:49 | EPA 200.8 | B3 | AES |
| Lead*       | <0.0010 | 0.0010 | 0.0002  | mg/L | 2 | 06/05/25 16:49 | EPA 200.8 |    | AES |
| Manganese*  | 0.278   | 0.0010 | 0.0004  | mg/L | 2 | 06/05/25 16:49 | EPA 200.8 |    | AES |
| Molybdenum* | <0.0010 | 0.0010 | 0.00009 | mg/L | 2 | 06/05/25 16:49 | EPA 200.8 |    | AES |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### Wiltse Well

**2505422-01 (Ground Water)**

**Sampled Date: 05/30/25 14:51**

**Sampled By: Brandon Waddell**

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

#### Dissolved Metals by ICPMS

|                  |               |        |         |      |   |                |           |  |     |
|------------------|---------------|--------|---------|------|---|----------------|-----------|--|-----|
| <b>Selenium*</b> | <0.0020       | 0.0020 | 0.0007  | mg/L | 2 | 06/05/25 16:49 | EPA 200.8 |  | AES |
| <b>Uranium</b>   | <0.0010       | 0.0010 | 0.00005 | mg/L | 2 | 06/05/25 16:49 | EPA 200.8 |  | AES |
| <b>Zinc*</b>     | <b>0.0070</b> | 0.0040 | 0.0010  | mg/L | 2 | 06/05/25 16:49 | EPA 200.8 |  | AES |

#### Dissolved Mercury by CVAFS

|                |      |     |      |      |   |                |           |  |     |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|
| <b>Mercury</b> | <100 | 100 | 19.6 | ng/L | 1 | 06/05/25 17:03 | EPA 245.7 |  | AES |
|----------------|------|-----|------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### General Chemistry - Quality Control

| Analyte                                        | Result | Reporting Limit                       | Units     | Spike Level                           | Source Result | %REC | %REC Limits  | RPD   | RPD Limit | Notes |
|------------------------------------------------|--------|---------------------------------------|-----------|---------------------------------------|---------------|------|--------------|-------|-----------|-------|
| <b>Batch B251534 - General Prep - Wet Chem</b> |        |                                       |           |                                       |               |      |              |       |           |       |
| <b>Duplicate (B251534-DUP1)</b>                |        | <b>Source: 2505414-01</b>             |           | Prepared & Analyzed: 05/30/25         |               |      |              |       |           |       |
| pH                                             | 8.02   |                                       | pH Units  |                                       | 8.00          |      |              | 0.250 | 20        |       |
| pH Temperature, degrees C                      | 21.3   |                                       | pH Units  |                                       | 21.5          |      |              | 0.935 | 200       |       |
| <b>Reference (B251534-SRM1)</b>                |        | Prepared & Analyzed: 05/30/25         |           |                                       |               |      |              |       |           |       |
| pH                                             | 6.93   |                                       | pH Units  | 7.00                                  |               | 99.0 | 98.57-101.42 |       |           |       |
| <b>Batch B251548 - Lachat</b>                  |        |                                       |           |                                       |               |      |              |       |           |       |
| <b>Blank (B251548-BLK1)</b>                    |        | Prepared: 06/05/25 Analyzed: 06/06/25 |           |                                       |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | ND     | 0.020                                 | mg/L as N |                                       |               |      |              |       |           |       |
| <b>LCS (B251548-BS1)</b>                       |        | Prepared: 06/05/25 Analyzed: 06/06/25 |           |                                       |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.03   | 0.020                                 | mg/L as N | 1.00                                  |               | 103  | 90-110       |       |           |       |
| <b>LCS Dup (B251548-BSD1)</b>                  |        | Prepared: 06/05/25 Analyzed: 06/06/25 |           |                                       |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.03   | 0.020                                 | mg/L as N | 1.00                                  |               | 103  | 90-110       | 0.00  | 20        |       |
| <b>Matrix Spike (B251548-MS1)</b>              |        | <b>Source: 2505369-15</b>             |           | Prepared: 06/05/25 Analyzed: 06/06/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 2.95   | 0.100                                 | mg/L as N | 1.00                                  | 1.88          | 107  | 90-110       |       |           |       |
| <b>Matrix Spike (B251548-MS2)</b>              |        | <b>Source: 2505369-16</b>             |           | Prepared: 06/05/25 Analyzed: 06/06/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 2.75   | 0.100                                 | mg/L as N | 1.00                                  | 1.82          | 93.8 | 90-110       |       |           |       |
| <b>Matrix Spike Dup (B251548-MSD1)</b>         |        | <b>Source: 2505369-15</b>             |           | Prepared: 06/05/25 Analyzed: 06/06/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 2.77   | 0.100                                 | mg/L as N | 1.00                                  | 1.88          | 89.4 | 90-110       | 6.30  | 20        | M2    |
| <b>Matrix Spike Dup (B251548-MSD2)</b>         |        | <b>Source: 2505369-16</b>             |           | Prepared: 06/05/25 Analyzed: 06/06/25 |               |      |              |       |           |       |
| Nitrate/Nitrite as N                           | 2.71   | 0.100                                 | mg/L as N | 1.00                                  | 1.82          | 89.9 | 90-110       | 1.44  | 20        | M2    |
| <b>Batch B251568 - General Prep - Wet Chem</b> |        |                                       |           |                                       |               |      |              |       |           |       |
| <b>Blank (B251568-BLK1)</b>                    |        | Prepared & Analyzed: 06/06/25         |           |                                       |               |      |              |       |           |       |
| Total Organic Carbon                           | ND     | 0.500                                 | mg/L      |                                       |               |      |              |       |           |       |
| <b>LCS (B251568-BS1)</b>                       |        | Prepared & Analyzed: 06/06/25         |           |                                       |               |      |              |       |           |       |
| Total Organic Carbon                           | 9.88   | 0.500                                 | mg/L      | 10.0                                  |               | 98.8 | 85-115       |       |           |       |
| <b>LCS Dup (B251568-BSD1)</b>                  |        | Prepared & Analyzed: 06/09/25         |           |                                       |               |      |              |       |           |       |
| Total Organic Carbon                           | 9.84   | 0.500                                 | mg/L      | 10.0                                  |               | 98.4 | 85-115       | 0.355 | 20        |       |
| <b>Matrix Spike (B251568-MS1)</b>              |        | <b>Source: 2505414-01</b>             |           | Prepared & Analyzed: 06/06/25         |               |      |              |       |           |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251568 - General Prep - Wet Chem (Continued)

##### Matrix Spike (B251568-MS1) (Continued)

Source: 2505414-01 Prepared & Analyzed: 06/06/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 12.9 | 0.500 | mg/L | 10.0 | 3.30 | 96.4 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

##### Matrix Spike (B251568-MS2)

Source: 2505414-02 Prepared & Analyzed: 06/06/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 13.2 | 0.500 | mg/L | 10.0 | 3.51 | 97.0 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

##### Matrix Spike Dup (B251568-MSD1)

Source: 2505414-01 Prepared & Analyzed: 06/06/25

|                      |      |       |      |      |      |      |        |       |    |  |
|----------------------|------|-------|------|------|------|------|--------|-------|----|--|
| Total Organic Carbon | 12.9 | 0.500 | mg/L | 10.0 | 3.30 | 95.5 | 80-120 | 0.698 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|-------|----|--|

##### Matrix Spike Dup (B251568-MSD2)

Source: 2505414-02 Prepared & Analyzed: 06/06/25

|                      |      |       |      |      |      |      |        |      |    |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|
| Total Organic Carbon | 12.9 | 0.500 | mg/L | 10.0 | 3.51 | 94.2 | 80-120 | 2.14 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|

#### Batch B251575 - General Prep - Wet Chem

##### Blank (B251575-BLK1)

Prepared & Analyzed: 06/06/25

|                        |    |      |      |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|
| Total Dissolved Solids | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|

##### Duplicate (B251575-DUP1)

Source: 2506041-01 Prepared & Analyzed: 06/06/25

|                        |     |      |      |  |     |  |  |      |    |  |
|------------------------|-----|------|------|--|-----|--|--|------|----|--|
| Total Dissolved Solids | 285 | 10.0 | mg/L |  | 305 |  |  | 6.79 | 20 |  |
|------------------------|-----|------|------|--|-----|--|--|------|----|--|

##### Reference (B251575-SRM1)

Prepared & Analyzed: 06/06/25

|                        |     |      |      |     |  |     |        |  |  |  |
|------------------------|-----|------|------|-----|--|-----|--------|--|--|--|
| Total Dissolved Solids | 410 | 10.0 | mg/L | 400 |  | 102 | 85-115 |  |  |  |
|------------------------|-----|------|------|-----|--|-----|--------|--|--|--|

#### Batch B251607 - IC- Ion Chromatograph

##### Blank (B251607-BLK1)

Prepared: 06/10/25 Analyzed: 06/11/25

|          |    |       |      |  |  |  |  |  |  |  |
|----------|----|-------|------|--|--|--|--|--|--|--|
| Chloride | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Fluoride | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Sulfate  | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251607-BS1)

Prepared: 06/10/25 Analyzed: 06/11/25

|          |      |       |      |      |  |      |        |  |  |  |
|----------|------|-------|------|------|--|------|--------|--|--|--|
| Chloride | 24.6 | 1.00  | mg/L | 25.0 |  | 98.5 | 90-110 |  |  |  |
| Fluoride | 2.60 | 0.100 | mg/L | 2.50 |  | 104  | 90-110 |  |  |  |
| Sulfate  | 25.2 | 1.00  | mg/L | 25.0 |  | 101  | 90-110 |  |  |  |

##### LCS Dup (B251607-BSD1)

Prepared: 06/10/25 Analyzed: 06/11/25

|          |      |       |      |      |  |     |        |      |    |  |
|----------|------|-------|------|------|--|-----|--------|------|----|--|
| Chloride | 25.2 | 1.00  | mg/L | 25.0 |  | 101 | 90-110 | 2.50 | 20 |  |
| Fluoride | 2.67 | 0.100 | mg/L | 2.50 |  | 107 | 90-110 | 2.92 | 20 |  |
| Sulfate  | 25.9 | 1.00  | mg/L | 25.0 |  | 104 | 90-110 | 2.68 | 20 |  |

##### Matrix Spike (B251607-MS1)

Source: 2506041-01 Prepared: 06/10/25 Analyzed: 06/11/25

|          |      |       |      |      |       |      |        |  |  |  |
|----------|------|-------|------|------|-------|------|--------|--|--|--|
| Chloride | 36.8 | 1.00  | mg/L | 25.0 | 12.0  | 98.9 | 85-115 |  |  |  |
| Fluoride | 2.95 | 0.100 | mg/L | 2.50 | 0.463 | 99.3 | 85-115 |  |  |  |
| Sulfate  | 40.3 | 1.00  | mg/L | 25.0 | 15.5  | 99.3 | 85-115 |  |  |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251607 - IC- Ion Chromatograph (Continued)

##### Matrix Spike Dup (B251607-MSD1) Source: 2506041-01 Prepared: 06/10/25 Analyzed: 06/11/25

|          |      |       |      |      |       |     |        |      |    |  |
|----------|------|-------|------|------|-------|-----|--------|------|----|--|
| Chloride | 37.4 | 1.00  | mg/L | 25.0 | 12.0  | 101 | 85-115 | 1.59 | 20 |  |
| Fluoride | 3.00 | 0.100 | mg/L | 2.50 | 0.463 | 102 | 85-115 | 1.95 | 20 |  |
| Sulfate  | 40.9 | 1.00  | mg/L | 25.0 | 15.5  | 102 | 85-115 | 1.43 | 20 |  |

#### Batch B251618 - General Prep - Wet Chem

##### Blank (B251618-BLK1) Prepared: 06/10/25 Analyzed: 06/11/25

|                                              |    |      |      |  |  |  |  |  |  |  |
|----------------------------------------------|----|------|------|--|--|--|--|--|--|--|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | ND | 10.0 | mg/L |  |  |  |  |  |  |  |

##### LCS (B251618-BS1) Prepared: 06/10/25 Analyzed: 06/11/25

|                                        |      |      |      |     |  |      |        |  |  |  |
|----------------------------------------|------|------|------|-----|--|------|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 98.0 | 10.0 | mg/L | 100 |  | 98.0 | 85-115 |  |  |  |
|----------------------------------------|------|------|------|-----|--|------|--------|--|--|--|

##### LCS Dup (B251618-BSD1) Prepared: 06/10/25 Analyzed: 06/11/25

|                                        |     |      |      |     |  |     |        |      |    |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|------|----|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 101 | 10.0 | mg/L | 100 |  | 101 | 85-115 | 3.02 | 20 |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|------|----|--|

##### Matrix Spike (B251618-MS1) Source: 2506071-02 Prepared: 06/10/25 Analyzed: 06/11/25

|                                        |     |      |      |     |      |      |        |  |  |  |
|----------------------------------------|-----|------|------|-----|------|------|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 165 | 10.0 | mg/L | 100 | 68.0 | 97.0 | 80-120 |  |  |  |
|----------------------------------------|-----|------|------|-----|------|------|--------|--|--|--|

##### Matrix Spike (B251618-MS2) Source: 2506082-01 Prepared: 06/10/25 Analyzed: 06/11/25

|                                        |     |      |      |     |     |     |        |  |  |  |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 345 | 10.0 | mg/L | 100 | 233 | 112 | 80-120 |  |  |  |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|--|--|--|

##### Matrix Spike Dup (B251618-MSD1) Source: 2506071-02 Prepared: 06/10/25 Analyzed: 06/11/25

|                                        |     |      |      |     |      |     |        |      |    |  |
|----------------------------------------|-----|------|------|-----|------|-----|--------|------|----|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 170 | 10.0 | mg/L | 100 | 68.0 | 102 | 80-120 | 2.99 | 20 |  |
|----------------------------------------|-----|------|------|-----|------|-----|--------|------|----|--|

##### Matrix Spike Dup (B251618-MSD2) Source: 2506082-01 Prepared: 06/10/25 Analyzed: 06/11/25

|                                        |     |      |      |     |     |     |        |      |    |  |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|------|----|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 340 | 10.0 | mg/L | 100 | 233 | 107 | 80-120 | 1.46 | 20 |  |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|------|----|--|

##### Reference (B251618-SRM1) Prepared: 06/10/25 Analyzed: 06/11/25

|                                        |     |      |      |     |  |     |        |  |  |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|
| Alkalinity, Total as CaCO <sub>3</sub> | 102 | 10.0 | mg/L | 100 |  | 102 | 85-115 |  |  |  |
|----------------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251554 - Dissolved ICP

##### Blank (B251554-BLK1)

Prepared: 06/05/25 Analyzed: 06/09/25

|           |    |       |      |  |  |  |  |  |  |  |
|-----------|----|-------|------|--|--|--|--|--|--|--|
| Aluminum  | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Calcium   | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Iron      | ND | 0.050 | mg/L |  |  |  |  |  |  |  |
| Magnesium | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Potassium | ND | 1.00  | mg/L |  |  |  |  |  |  |  |
| Silicon   | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
| Sodium    | ND | 1.00  | mg/L |  |  |  |  |  |  |  |

##### LCS (B251554-BS1)

Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |  |     |        |  |  |  |
|-----------|------|-------|------|------|--|-----|--------|--|--|--|
| Aluminum  | 4.04 | 0.050 | mg/L | 4.00 |  | 101 | 85-115 |  |  |  |
| Calcium   | 4.13 | 0.100 | mg/L | 4.00 |  | 103 | 85-115 |  |  |  |
| Iron      | 4.14 | 0.050 | mg/L | 4.00 |  | 103 | 85-115 |  |  |  |
| Magnesium | 21.5 | 0.100 | mg/L | 20.0 |  | 107 | 85-115 |  |  |  |
| Potassium | 8.27 | 1.00  | mg/L | 8.00 |  | 103 | 85-115 |  |  |  |
| Silicon   | 4.11 | 0.500 | mg/L | 4.00 |  | 103 | 85-115 |  |  |  |
| Sodium    | 3.34 | 1.00  | mg/L | 3.24 |  | 103 | 85-115 |  |  |  |

##### LCS Dup (B251554-BSD1)

Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |  |      |        |      |    |  |
|-----------|------|-------|------|------|--|------|--------|------|----|--|
| Aluminum  | 3.95 | 0.050 | mg/L | 4.00 |  | 98.9 | 85-115 | 2.10 | 20 |  |
| Calcium   | 4.01 | 0.100 | mg/L | 4.00 |  | 100  | 85-115 | 3.02 | 20 |  |
| Iron      | 4.01 | 0.050 | mg/L | 4.00 |  | 100  | 85-115 | 3.28 | 20 |  |
| Magnesium | 20.9 | 0.100 | mg/L | 20.0 |  | 104  | 85-115 | 2.81 | 20 |  |
| Potassium | 8.17 | 1.00  | mg/L | 8.00 |  | 102  | 85-115 | 1.15 | 20 |  |
| Silicon   | 4.00 | 0.500 | mg/L | 4.00 |  | 100  | 85-115 | 2.59 | 20 |  |
| Sodium    | 3.24 | 1.00  | mg/L | 3.24 |  | 100  | 85-115 | 2.92 | 20 |  |

##### Matrix Spike (B251554-MS1)

Source: 2505423-01

Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |      |      |        |  |  |    |
|-----------|------|-------|------|------|------|------|--------|--|--|----|
| Aluminum  | 3.73 | 0.050 | mg/L | 4.00 | ND   | 93.3 | 70-130 |  |  |    |
| Calcium   | 40.9 | 0.100 | mg/L | 4.00 | 41.8 | NR   | 70-130 |  |  | M3 |
| Iron      | 3.76 | 0.050 | mg/L | 4.00 | ND   | 94.1 | 70-130 |  |  |    |
| Magnesium | 35.7 | 0.100 | mg/L | 20.0 | 17.2 | 92.2 | 70-130 |  |  |    |
| Potassium | 8.71 | 1.00  | mg/L | 8.00 | 1.26 | 93.2 | 70-130 |  |  |    |
| Silicon   | 7.30 | 0.500 | mg/L | 4.00 | 3.76 | 88.6 | 70-130 |  |  |    |
| Sodium    | 10.0 | 1.00  | mg/L | 3.24 | 7.74 | 70.6 | 70-130 |  |  |    |

##### Matrix Spike (B251554-MS2)

Source: 2506009-02

Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |       |      |        |  |  |    |
|-----------|------|-------|------|------|-------|------|--------|--|--|----|
| Aluminum  | 3.68 | 0.050 | mg/L | 4.00 | ND    | 92.1 | 70-130 |  |  |    |
| Calcium   | 26.6 | 0.100 | mg/L | 4.00 | 25.4  | 29.0 | 70-130 |  |  | M3 |
| Iron      | 3.70 | 0.050 | mg/L | 4.00 | ND    | 92.4 | 70-130 |  |  |    |
| Magnesium | 23.5 | 0.100 | mg/L | 20.0 | 4.60  | 94.5 | 70-130 |  |  |    |
| Potassium | 8.18 | 1.00  | mg/L | 8.00 | 0.735 | 93.0 | 70-130 |  |  |    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

**Dissolved Metals by ICP - Quality Control  
(Continued)**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch B251554 - Dissolved ICP (Continued)**

**Matrix Spike (B251554-MS2) (Continued)**

Source: 2506009-02 Prepared: 06/05/25 Analyzed: 06/09/25

|         |      |       |      |      |       |      |        |  |  |  |
|---------|------|-------|------|------|-------|------|--------|--|--|--|
| Silicon | 4.43 | 0.500 | mg/L | 4.00 | 0.768 | 91.7 | 70-130 |  |  |  |
| Sodium  | 3.97 | 1.00  | mg/L | 3.24 | 0.974 | 92.5 | 70-130 |  |  |  |

**Matrix Spike Dup (B251554-MSD1)**

Source: 2505423-01 Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |      |      |        |       |    |    |
|-----------|------|-------|------|------|------|------|--------|-------|----|----|
| Aluminum  | 3.82 | 0.250 | mg/L | 4.00 | ND   | 95.5 | 70-130 | 2.34  | 20 |    |
| Calcium   | 43.0 | 0.500 | mg/L | 4.00 | 41.8 | 28.9 | 70-130 | 4.93  | 20 | M3 |
| Iron      | 3.81 | 0.250 | mg/L | 4.00 | ND   | 95.3 | 70-130 | 1.29  | 20 |    |
| Magnesium | 36.5 | 0.500 | mg/L | 20.0 | 17.2 | 96.3 | 70-130 | 2.28  | 20 |    |
| Potassium | 9.00 | 5.00  | mg/L | 8.00 | 1.26 | 96.7 | 70-130 | 3.19  | 20 |    |
| Silicon   | 7.36 | 2.50  | mg/L | 4.00 | 3.76 | 90.0 | 70-130 | 0.751 | 20 |    |
| Sodium    | 9.84 | 5.00  | mg/L | 3.24 | 7.74 | 64.6 | 70-130 | 1.94  | 20 | M1 |

**Matrix Spike Dup (B251554-MSD2)**

Source: 2506009-02 Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |       |      |        |       |    |    |
|-----------|------|-------|------|------|-------|------|--------|-------|----|----|
| Aluminum  | 3.60 | 0.250 | mg/L | 4.00 | ND    | 89.9 | 70-130 | 2.46  | 20 |    |
| Calcium   | 26.6 | 0.500 | mg/L | 4.00 | 25.4  | 29.7 | 70-130 | 0.104 | 20 | M3 |
| Iron      | 3.67 | 0.250 | mg/L | 4.00 | ND    | 91.8 | 70-130 | 0.671 | 20 |    |
| Magnesium | 23.2 | 0.500 | mg/L | 20.0 | 4.60  | 92.9 | 70-130 | 1.37  | 20 |    |
| Potassium | 8.06 | 5.00  | mg/L | 8.00 | ND    | 101  | 70-130 | 1.41  | 20 |    |
| Silicon   | 4.32 | 2.50  | mg/L | 4.00 | 0.768 | 88.9 | 70-130 | 2.49  | 20 |    |
| Sodium    | ND   | 5.00  | mg/L | 3.24 | ND    |      | 70-130 |       | 20 | M2 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251543 - Dissolved ICPMS

##### Blank (B251543-BLK1)

Prepared & Analyzed: 06/05/25

|            |        |        |      |  |  |  |  |  |  |    |
|------------|--------|--------|------|--|--|--|--|--|--|----|
| Arsenic    | ND     | 0.0010 | mg/L |  |  |  |  |  |  |    |
| Cadmium    | ND     | 0.0005 | mg/L |  |  |  |  |  |  |    |
| Copper     | 0.0011 | 0.0010 | mg/L |  |  |  |  |  |  | B3 |
| Lead       | ND     | 0.0005 | mg/L |  |  |  |  |  |  |    |
| Manganese  | ND     | 0.0005 | mg/L |  |  |  |  |  |  |    |
| Molybdenum | ND     | 0.0005 | mg/L |  |  |  |  |  |  |    |
| Selenium   | ND     | 0.0010 | mg/L |  |  |  |  |  |  |    |
| Uranium    | ND     | 0.0005 | mg/L |  |  |  |  |  |  |    |
| Zinc       | ND     | 0.0020 | mg/L |  |  |  |  |  |  |    |

##### LCS (B251543-BS1)

Prepared & Analyzed: 06/05/25

|            |        |        |      |        |      |        |  |  |  |
|------------|--------|--------|------|--------|------|--------|--|--|--|
| Arsenic    | 0.0509 | 0.0010 | mg/L | 0.0500 | 102  | 85-115 |  |  |  |
| Cadmium    | 0.0494 | 0.0005 | mg/L | 0.0500 | 98.8 | 85-115 |  |  |  |
| Copper     | 0.0507 | 0.0010 | mg/L | 0.0500 | 101  | 85-115 |  |  |  |
| Lead       | 0.0507 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |  |  |  |
| Manganese  | 0.0503 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |  |  |  |
| Molybdenum | 0.0506 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |  |  |  |
| Selenium   | 0.247  | 0.0010 | mg/L | 0.250  | 98.9 | 85-115 |  |  |  |
| Uranium    | 0.0499 | 0.0005 | mg/L | 0.0500 | 99.7 | 85-115 |  |  |  |
| Zinc       | 0.0500 | 0.0020 | mg/L | 0.0500 | 100  | 85-115 |  |  |  |

##### LCS Dup (B251543-BSD1)

Prepared & Analyzed: 06/05/25

|            |        |        |      |        |      |        |         |    |
|------------|--------|--------|------|--------|------|--------|---------|----|
| Arsenic    | 0.0504 | 0.0010 | mg/L | 0.0500 | 101  | 85-115 | 0.855   | 20 |
| Cadmium    | 0.0493 | 0.0005 | mg/L | 0.0500 | 98.6 | 85-115 | 0.157   | 20 |
| Copper     | 0.0503 | 0.0010 | mg/L | 0.0500 | 101  | 85-115 | 0.761   | 20 |
| Lead       | 0.0505 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 0.263   | 20 |
| Manganese  | 0.0503 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 0.00230 | 20 |
| Molybdenum | 0.0509 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 0.521   | 20 |
| Selenium   | 0.250  | 0.0010 | mg/L | 0.250  | 99.9 | 85-115 | 0.993   | 20 |
| Uranium    | 0.0506 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 1.44    | 20 |
| Zinc       | 0.0491 | 0.0020 | mg/L | 0.0500 | 98.1 | 85-115 | 1.95    | 20 |

##### Matrix Spike (B251543-MS1)

Source: 2505414-01

Prepared & Analyzed: 06/05/25

|            |        |        |      |        |        |      |        |
|------------|--------|--------|------|--------|--------|------|--------|
| Arsenic    | 0.0561 | 0.0010 | mg/L | 0.0500 | 0.0008 | 111  | 70-130 |
| Cadmium    | 0.0496 | 0.0005 | mg/L | 0.0500 | ND     | 99.3 | 70-130 |
| Copper     | 0.0399 | 0.0010 | mg/L | 0.0500 | 0.0014 | 77.2 | 70-130 |
| Lead       | 0.0511 | 0.0005 | mg/L | 0.0500 | ND     | 102  | 70-130 |
| Manganese  | 0.0454 | 0.0005 | mg/L | 0.0500 | 0.0044 | 82.1 | 70-130 |
| Molybdenum | 0.0557 | 0.0005 | mg/L | 0.0500 | 0.0030 | 105  | 70-130 |
| Selenium   | 0.290  | 0.0010 | mg/L | 0.250  | 0.0015 | 116  | 70-130 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### Dissolved Metals by ICPMS - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251543 - Dissolved ICPMS (Continued)

##### Matrix Spike (B251543-MS1) (Continued)

Source: 2505414-01 Prepared & Analyzed: 06/05/25

|         |        |        |      |        |        |      |        |  |  |  |
|---------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Uranium | 0.0563 | 0.0005 | mg/L | 0.0500 | 0.0027 | 107  | 70-130 |  |  |  |
| Zinc    | 0.0430 | 0.0020 | mg/L | 0.0500 | 0.0020 | 81.9 | 70-130 |  |  |  |

##### Matrix Spike (B251543-MS2)

Source: 2505414-02 Prepared & Analyzed: 06/05/25

|            |        |        |      |        |        |      |        |  |  |  |
|------------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Arsenic    | 0.0579 | 0.0010 | mg/L | 0.0500 | 0.0007 | 115  | 70-130 |  |  |  |
| Cadmium    | 0.0497 | 0.0005 | mg/L | 0.0500 | ND     | 99.4 | 70-130 |  |  |  |
| Copper     | 0.0394 | 0.0010 | mg/L | 0.0500 | 0.0013 | 76.1 | 70-130 |  |  |  |
| Lead       | 0.0501 | 0.0005 | mg/L | 0.0500 | ND     | 100  | 70-130 |  |  |  |
| Manganese  | 0.0460 | 0.0005 | mg/L | 0.0500 | 0.0049 | 82.2 | 70-130 |  |  |  |
| Molybdenum | 0.0570 | 0.0005 | mg/L | 0.0500 | 0.0031 | 108  | 70-130 |  |  |  |
| Selenium   | 0.298  | 0.0010 | mg/L | 0.250  | 0.0016 | 119  | 70-130 |  |  |  |
| Uranium    | 0.0562 | 0.0005 | mg/L | 0.0500 | 0.0026 | 107  | 70-130 |  |  |  |
| Zinc       | 0.0425 | 0.0020 | mg/L | 0.0500 | 0.0019 | 81.3 | 70-130 |  |  |  |

##### Matrix Spike Dup (B251543-MSD1)

Source: 2505414-01 Prepared & Analyzed: 06/05/25

|            |        |        |      |        |        |      |        |       |    |  |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|--|
| Arsenic    | 0.0571 | 0.0010 | mg/L | 0.0500 | 0.0008 | 113  | 70-130 | 1.86  | 20 |  |
| Cadmium    | 0.0494 | 0.0005 | mg/L | 0.0500 | ND     | 98.8 | 70-130 | 0.449 | 20 |  |
| Copper     | 0.0394 | 0.0010 | mg/L | 0.0500 | 0.0014 | 76.2 | 70-130 | 1.21  | 20 |  |
| Lead       | 0.0490 | 0.0005 | mg/L | 0.0500 | ND     | 98.1 | 70-130 | 4.18  | 20 |  |
| Manganese  | 0.0452 | 0.0005 | mg/L | 0.0500 | 0.0044 | 81.7 | 70-130 | 0.465 | 20 |  |
| Molybdenum | 0.0555 | 0.0005 | mg/L | 0.0500 | 0.0030 | 105  | 70-130 | 0.469 | 20 |  |
| Selenium   | 0.292  | 0.0010 | mg/L | 0.250  | 0.0015 | 116  | 70-130 | 0.651 | 20 |  |
| Uranium    | 0.0553 | 0.0005 | mg/L | 0.0500 | 0.0027 | 105  | 70-130 | 1.88  | 20 |  |
| Zinc       | 0.0421 | 0.0020 | mg/L | 0.0500 | 0.0020 | 80.3 | 70-130 | 1.98  | 20 |  |

##### Matrix Spike Dup (B251543-MSD2)

Source: 2505414-02 Prepared & Analyzed: 06/05/25

|            |        |        |      |        |        |      |        |       |    |  |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|--|
| Arsenic    | 0.0597 | 0.0010 | mg/L | 0.0500 | 0.0007 | 118  | 70-130 | 2.91  | 20 |  |
| Cadmium    | 0.0493 | 0.0005 | mg/L | 0.0500 | ND     | 98.7 | 70-130 | 0.699 | 20 |  |
| Copper     | 0.0395 | 0.0010 | mg/L | 0.0500 | 0.0013 | 76.4 | 70-130 | 0.363 | 20 |  |
| Lead       | 0.0503 | 0.0005 | mg/L | 0.0500 | ND     | 101  | 70-130 | 0.275 | 20 |  |
| Manganese  | 0.0461 | 0.0005 | mg/L | 0.0500 | 0.0049 | 82.4 | 70-130 | 0.280 | 20 |  |
| Molybdenum | 0.0566 | 0.0005 | mg/L | 0.0500 | 0.0031 | 107  | 70-130 | 0.740 | 20 |  |
| Selenium   | 0.300  | 0.0010 | mg/L | 0.250  | 0.0016 | 120  | 70-130 | 0.657 | 20 |  |
| Uranium    | 0.0571 | 0.0005 | mg/L | 0.0500 | 0.0026 | 109  | 70-130 | 1.70  | 20 |  |
| Zinc       | 0.0423 | 0.0020 | mg/L | 0.0500 | 0.0019 | 80.9 | 70-130 | 0.483 | 20 |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### Dissolved Mercury by CVAFS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251511 - EPA 245.7

##### Blank (B251511-BLK1)

Prepared: 06/03/25 Analyzed: 06/05/25

|         |    |     |      |
|---------|----|-----|------|
| Mercury | ND | 100 | ng/L |
|---------|----|-----|------|

##### LCS (B251511-BS1)

Prepared: 06/03/25 Analyzed: 06/05/25

|         |     |     |      |      |      |        |
|---------|-----|-----|------|------|------|--------|
| Mercury | 828 | 100 | ng/L | 1000 | 82.8 | 76-113 |
|---------|-----|-----|------|------|------|--------|

##### LCS Dup (B251511-BSD1)

Prepared: 06/03/25 Analyzed: 06/05/25

|         |     |     |      |      |      |        |       |    |
|---------|-----|-----|------|------|------|--------|-------|----|
| Mercury | 822 | 100 | ng/L | 1000 | 82.2 | 76-113 | 0.702 | 20 |
|---------|-----|-----|------|------|------|--------|-------|----|

##### Matrix Spike (B251511-MS1)

Source: 2505414-01

Prepared: 06/03/25 Analyzed: 06/05/25

|         |     |     |      |      |    |      |        |
|---------|-----|-----|------|------|----|------|--------|
| Mercury | 919 | 100 | ng/L | 1000 | ND | 91.9 | 63-111 |
|---------|-----|-----|------|------|----|------|--------|

##### Matrix Spike Dup (B251511-MSD1)

Source: 2505414-01

Prepared: 06/03/25 Analyzed: 06/05/25

|         |     |     |      |      |    |      |        |       |     |
|---------|-----|-----|------|------|----|------|--------|-------|-----|
| Mercury | 913 | 100 | ng/L | 1000 | ND | 91.3 | 63-111 | 0.645 | 200 |
|---------|-----|-----|------|------|----|------|--------|-------|-----|

### Notes and Definitions

|     |                                                                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M3  | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| M2  | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| M1  | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |
| B3  | Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result.                                                     |
| DET | Analyte DETECTED                                                                                                                                                                   |
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                                               |
| NR  | Not Reported                                                                                                                                                                       |
| dry | Sample results reported on a dry weight basis<br>*Results reported on as received basis unless designated as dry.                                                                  |
| RPD | Relative Percent Difference                                                                                                                                                        |
| LCS | Laboratory Control Sample (Blank Spike)                                                                                                                                            |
| RL  | Report Limit                                                                                                                                                                       |
| MDL | Method Detection Limit                                                                                                                                                             |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/17/25 09:03

### Qualifier Summary

| <u>LabNumber</u>    | <u>Analysis</u>           | <u>Analyte</u>       | <u>Qualifier</u> | <u>TextBody</u>                                                                                                                                                                    |
|---------------------|---------------------------|----------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2505422-01</b>   | Copper Dissolved by ICPMS | Copper               | B3               | Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result.                                                     |
| <b>B251543-BLK1</b> | Copper Dissolved by ICPMS | Copper               | B3               | Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result.                                                     |
| <b>B251548-MSD1</b> | Nitrate/Nitrite [LCHAT]   | Nitrate/Nitrite as N | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| <b>B251548-MSD2</b> | Nitrate/Nitrite [LCHAT]   | Nitrate/Nitrite as N | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| <b>B251554-MS1</b>  | Calcium Dissolved by ICP  | Calcium              | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251554-MS2</b>  | Calcium Dissolved by ICP  | Calcium              | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251554-MSD1</b> | Calcium Dissolved by ICP  | Calcium              | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251554-MSD1</b> | Sodium Dissolved by ICP   | Sodium               | M1               | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |
| <b>B251554-MSD2</b> | Calcium Dissolved by ICP  | Calcium              | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251554-MSD2</b> | Sodium Dissolved by ICP   | Sodium               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





**SAMPLE CONDITION RECEIPT FORM**

Client Name: GCL Energy

Work Order # 2505422

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ Other

Custody Seals on Box/Cooler Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☒ No GAL Cooler #: \_\_\_\_\_

Thermometer Used: 02 Samples on ice, cooling process has begun: ☒ Yes ☐ No

Type of Ice: ☒ Wet ☐ Blue ☐ None Cooler Temp: Observed Temp: 5.4 °C Correction Factor: -0.9 °C Final Temp: 4.5 °C  
\* Temp should be above freezing 6°C

Compliance: ☐ Yes ☒ No

|                                                                                     |                                                                                                  |                                  |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------|
| Chain of Custody Filled Out:                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 1. <u>incorrect sample ID</u>    |
| COC Signed when Relinquished and Received:                                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 2.                               |
| Sampler Name and Signature on COC:<br>*Required for compliance                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 3.                               |
| Samples arrived within hold time:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 4.                               |
| Correct Containers Used & Intact:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5.                               |
| Short Hold Time Analysis (<72hr):                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 6. <u>pH</u>                     |
| Rush Turn Around Time Requested:                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 7.                               |
| Sufficient Volume:                                                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 8.                               |
| pH's acceptable upon receipt, where applicable:<br>*Not including metals bottles    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9.                               |
| Dissolved Testing Needed:                                                           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 10.                              |
| Field Filtered: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 11. <u>Sample name incorrect</u> |
| Sample Labels match COC:<br>-Includes Date/Time/ID                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 12.                              |
| Matrix:                                                                             | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            |                                  |
| Trip Blank Present:                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            |                                  |
| Trip Blank Custody Seals Present:                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            |                                  |
| VOA's meet headspace requirement (<6mm bubbles)                                     | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            |                                  |
| Non-Conformance(s):                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 13.                              |

Client Notification/Resolution:

Date/Time: \_\_\_\_\_

Person Contacted: \_\_\_\_\_

Comments/Resolution: \* Contact client about sample ID





75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
jeremy.allen@greenanalytical.com

18 June 2025

Michael Dickson  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: [none]

Enclosed are the results of analyses for samples received by the laboratory on 05/30/25 16:12. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, reading 'Jeremy D. Allen', is displayed on a light blue rectangular background.

Report Station For Jeremy D Allen  
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101



# Table of Contents

|                                        |    |
|----------------------------------------|----|
| Samples in Report                      | 3  |
| Sample Results                         | 4  |
| 2505423-01: Hay Gulch Ditch Upgradient | 4  |
| Quality Assurance Results              | 6  |
| Notes and Definitions                  | 15 |
| Qualifier Summary                      | 16 |
| Chain of Custody & Attachments         | 17 |



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/18/25 08:37

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID                  | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|----------------------------|---------------|--------|----------------|----------------|-------|
| Hay Gulch Ditch Upgradient | 2505423-01    | Water  | 05/30/25 11:56 | 05/30/25 16:12 |       |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/18/25 08:37

## Hay Gulch Ditch Upgradient

**2505423-01 (Ground Water)**

**Sampled Date: 05/30/25 11:56**

**Sampled By: Brandon Waddell**

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

### General Chemistry

|                                                |        |       |       |           |   |                |                       |  |     |
|------------------------------------------------|--------|-------|-------|-----------|---|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 116    | 10.0  | 5.55  | mg/L      | 1 | 06/11/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 1 | 06/11/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 5.55  | mg/L      | 1 | 06/11/25 00:00 | 2320 B                |  | AWG |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 108    | 10.0  | 5.55  | mg/L      | 1 | 06/11/25 00:00 | 2320 B                |  | AWG |
| Cation/Anion Balance                           | 8.69   | -100  | -100  | %         | 1 | 06/11/25 08:59 | Calculation           |  | JDA |
| Chloride*                                      | 14.3   | 5.00  | 2.49  | mg/L      | 5 | 06/11/25 04:33 | EPA 300.0             |  | AWG |
| Fluoride*                                      | <0.500 | 0.500 | 0.168 | mg/L      | 5 | 06/11/25 04:33 | EPA 300.0             |  | AWG |
| Nitrate/Nitrite as N*                          | 0.051  | 0.020 | 0.007 | mg/L as N | 1 | 06/06/25 14:52 | EPA 353.2             |  | HIC |
| Oil & Grease (HEM)                             | <5.00  | 5.00  | 2.54  | mg/L      | 1 | 06/10/25 12:20 | EPA 1664 A            |  | AES |
| pH*                                            | 8.04   |       |       | pH Units  | 1 | 05/30/25 16:33 | EPA 150.1/9040C       |  | HIC |
| pH Temperature, degrees C                      | 18.0   |       |       | pH Units  | 1 | 05/30/25 16:33 | EPA 150.1/9040C       |  | HIC |
| SAR                                            | 0.25   |       |       | No Unit   | 1 | 06/09/25 17:17 | Calculation           |  | AWG |
| Sulfate*                                       | 46.4   | 5.00  | 2.81  | mg/L      | 5 | 06/11/25 04:33 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 210    | 10.0  |       | mg/L      | 1 | 06/06/25 17:05 | EPA 160.1/SM<br>2540C |  | AWG |
| Total Organic Carbon*                          | 2.01   | 0.500 | 0.220 | mg/L      | 1 | 06/07/25 01:18 | 5310C                 |  | AES |
| Total Suspended Solids*                        | 22.2   | 2.50  |       | mg/L      | 1 | 06/05/25 17:26 | 2540 D                |  | AES |

### Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 06/09/25 17:17 | EPA 200.7   |  | AWG |
| Calcium*                      | 41.8   | 0.100 | 0.072  | mg/L | 1 | 06/09/25 17:17 | EPA 200.7   |  | AWG |
| Hardness as CaCO <sub>3</sub> | 175    | 0.662 | 0.507  | mg/L | 1 | 06/09/25 17:17 | 2340 B      |  | AWG |
| Iron*                         | <0.050 | 0.050 | 0.035  | mg/L | 1 | 06/09/25 17:17 | EPA 200.7   |  | AWG |
| Magnesium*                    | 17.2   | 0.100 | 0.079  | mg/L | 1 | 06/09/25 17:17 | EPA 200.7   |  | AWG |
| Potassium*                    | 1.26   | 1.00  | 0.181  | mg/L | 1 | 06/09/25 17:17 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )    | 8.04   | 1.07  | 0.0208 | mg/L | 1 | 06/09/25 17:17 | Calculation |  | AWG |
| Silicon                       | 3.76   | 0.500 | 0.010  | mg/L | 1 | 06/09/25 17:17 | EPA 200.7   |  | AWG |
| Sodium*                       | 7.74   | 1.00  | 0.756  | mg/L | 1 | 06/09/25 17:17 | EPA 200.7   |  | AWG |

### Total Recoverable Metals by ICPMS (E200.8)

|         |         |        |         |      |   |                |           |  |     |
|---------|---------|--------|---------|------|---|----------------|-----------|--|-----|
| Mercury | <0.0100 | 0.0100 | 0.00430 | ug/L | 1 | 06/09/25 15:13 | EPA 200.8 |  | AES |
|---------|---------|--------|---------|------|---|----------------|-----------|--|-----|

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/18/25 08:37

### Hay Gulch Ditch Upgradient

**2505423-01 (Ground Water)**

**Sampled Date: 05/30/25 11:56**

**Sampled By: Brandon Waddell**

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

#### Dissolved Metals by ICPMS

|             |               |        |         |      |   |                |           |    |     |
|-------------|---------------|--------|---------|------|---|----------------|-----------|----|-----|
| Arsenic*    | <0.0010       | 0.0010 | 0.0004  | mg/L | 1 | 06/05/25 16:50 | EPA 200.8 |    | AES |
| Cadmium*    | <0.0005       | 0.0005 | 0.00005 | mg/L | 1 | 06/05/25 16:50 | EPA 200.8 |    | AES |
| Copper*     | <b>0.0045</b> | 0.0020 | 0.0007  | mg/L | 1 | 06/05/25 16:50 | EPA 200.8 | B3 | AES |
| Lead*       | <0.0005       | 0.0005 | 0.0001  | mg/L | 1 | 06/05/25 16:50 | EPA 200.8 |    | AES |
| Manganese*  | <b>0.0176</b> | 0.0005 | 0.0002  | mg/L | 1 | 06/05/25 16:50 | EPA 200.8 |    | AES |
| Molybdenum* | <b>0.0009</b> | 0.0005 | 0.00004 | mg/L | 1 | 06/05/25 16:50 | EPA 200.8 |    | AES |
| Selenium*   | <0.0010       | 0.0010 | 0.0004  | mg/L | 1 | 06/05/25 16:50 | EPA 200.8 |    | AES |
| Uranium     | <0.0005       | 0.0005 | 0.00002 | mg/L | 1 | 06/05/25 16:50 | EPA 200.8 |    | AES |
| Zinc*       | <b>0.0139</b> | 0.0020 | 0.0005  | mg/L | 1 | 06/05/25 16:50 | EPA 200.8 |    | AES |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHG  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/18/25 08:37

### General Chemistry - Quality Control

| Analyte                                        | Result | Reporting Limit           | Units     | Spike Level                           | Source Result | %REC               | %REC Limits  | RPD   | RPD Limit | Notes |
|------------------------------------------------|--------|---------------------------|-----------|---------------------------------------|---------------|--------------------|--------------|-------|-----------|-------|
| <b>Batch B251512 - General Prep - Wet Chem</b> |        |                           |           |                                       |               |                    |              |       |           |       |
| <b>Blank (B251512-BLK1)</b>                    |        |                           |           | Prepared & Analyzed: 06/03/25         |               |                    |              |       |           |       |
| Oil & Grease (HEM)                             | ND     | 5.00                      | mg/L      |                                       |               |                    |              |       |           |       |
| <b>LCS (B251512-BS1)</b>                       |        |                           |           | Prepared & Analyzed: 06/03/25         |               |                    |              |       |           |       |
| Oil & Grease (HEM)                             | 38.4   | 5.00                      | mg/L      | 40.0                                  |               | 96.0               | 85-115       |       |           |       |
| <b>LCS Dup (B251512-BSD1)</b>                  |        |                           |           | Prepared & Analyzed: 06/03/25         |               |                    |              |       |           |       |
| Oil & Grease (HEM)                             | 37.2   | 5.00                      | mg/L      | 40.0                                  |               | 93.0               | 85-115       | 3.17  | 20        |       |
| <b>Matrix Spike (B251512-MS1)</b>              |        | <b>Source: 2506059-01</b> |           | Prepared: 06/03/25                    |               | Analyzed: 06/10/25 |              |       |           |       |
| Oil & Grease (HEM)                             | 31.5   | 5.00                      | mg/L      | 40.0                                  | ND            | 78.8               | 80-120       |       |           | M2    |
| <b>Batch B251534 - General Prep - Wet Chem</b> |        |                           |           |                                       |               |                    |              |       |           |       |
| <b>Duplicate (B251534-DUP1)</b>                |        | <b>Source: 2505414-01</b> |           | Prepared & Analyzed: 05/30/25         |               |                    |              |       |           |       |
| pH                                             | 8.02   |                           | pH Units  |                                       | 8.00          |                    |              | 0.250 | 20        |       |
| pH Temperature, degrees C                      | 21.3   |                           | pH Units  |                                       | 21.5          |                    |              | 0.935 | 200       |       |
| <b>Reference (B251534-SRM1)</b>                |        |                           |           | Prepared & Analyzed: 05/30/25         |               |                    |              |       |           |       |
| pH                                             | 6.93   |                           | pH Units  | 7.00                                  |               | 99.0               | 98.57-101.42 |       |           |       |
| <b>Batch B251548 - Lachat</b>                  |        |                           |           |                                       |               |                    |              |       |           |       |
| <b>Blank (B251548-BLK1)</b>                    |        |                           |           | Prepared: 06/05/25 Analyzed: 06/06/25 |               |                    |              |       |           |       |
| Nitrate/Nitrite as N                           | ND     | 0.020                     | mg/L as N |                                       |               |                    |              |       |           |       |
| <b>LCS (B251548-BS1)</b>                       |        |                           |           | Prepared: 06/05/25 Analyzed: 06/06/25 |               |                    |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.03   | 0.020                     | mg/L as N | 1.00                                  |               | 103                | 90-110       |       |           |       |
| <b>LCS Dup (B251548-BSD1)</b>                  |        |                           |           | Prepared: 06/05/25 Analyzed: 06/06/25 |               |                    |              |       |           |       |
| Nitrate/Nitrite as N                           | 1.03   | 0.020                     | mg/L as N | 1.00                                  |               | 103                | 90-110       | 0.00  | 20        |       |
| <b>Matrix Spike (B251548-MS1)</b>              |        | <b>Source: 2505369-15</b> |           | Prepared: 06/05/25                    |               | Analyzed: 06/06/25 |              |       |           |       |
| Nitrate/Nitrite as N                           | 2.95   | 0.100                     | mg/L as N | 1.00                                  | 1.88          | 107                | 90-110       |       |           |       |
| <b>Matrix Spike (B251548-MS2)</b>              |        | <b>Source: 2505369-16</b> |           | Prepared: 06/05/25                    |               | Analyzed: 06/06/25 |              |       |           |       |
| Nitrate/Nitrite as N                           | 2.75   | 0.100                     | mg/L as N | 1.00                                  | 1.82          | 93.8               | 90-110       |       |           |       |
| <b>Matrix Spike Dup (B251548-MSD1)</b>         |        | <b>Source: 2505369-15</b> |           | Prepared: 06/05/25                    |               | Analyzed: 06/06/25 |              |       |           |       |
| Nitrate/Nitrite as N                           | 2.77   | 0.100                     | mg/L as N | 1.00                                  | 1.88          | 89.4               | 90-110       | 6.30  | 20        | M2    |
| <b>Matrix Spike Dup (B251548-MSD2)</b>         |        | <b>Source: 2505369-16</b> |           | Prepared: 06/05/25                    |               | Analyzed: 06/06/25 |              |       |           |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/18/25 08:37

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251548 - Lachat (Continued)

**Matrix Spike Dup (B251548-MSD2) (Continued)** Source: 2505369-16 Prepared: 06/05/25 Analyzed: 06/06/25

|                      |      |       |           |      |      |      |        |      |    |    |
|----------------------|------|-------|-----------|------|------|------|--------|------|----|----|
| Nitrate/Nitrite as N | 2.71 | 0.100 | mg/L as N | 1.00 | 1.82 | 89.9 | 90-110 | 1.44 | 20 | M2 |
|----------------------|------|-------|-----------|------|------|------|--------|------|----|----|

#### Batch B251554 - Dissolved ICP

**Blank (B251554-BLK1)** Prepared: 06/05/25 Analyzed: 06/09/25

|     |      |  |         |  |  |  |  |  |  |  |
|-----|------|--|---------|--|--|--|--|--|--|--|
| SAR | 0.00 |  | No Unit |  |  |  |  |  |  |  |
|-----|------|--|---------|--|--|--|--|--|--|--|

#### Batch B251558 - General Prep - Wet Chem

**Blank (B251558-BLK1)** Prepared & Analyzed: 06/05/25

|                        |    |      |      |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|
| Total Suspended Solids | ND | 2.50 | mg/L |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|

**Duplicate (B251558-DUP1)** Source: 2505423-01 Prepared & Analyzed: 06/05/25

|                        |      |      |      |  |      |  |  |      |    |  |
|------------------------|------|------|------|--|------|--|--|------|----|--|
| Total Suspended Solids | 26.7 | 2.50 | mg/L |  | 22.2 |  |  | 18.6 | 20 |  |
|------------------------|------|------|------|--|------|--|--|------|----|--|

**Duplicate (B251558-DUP2)** Source: 2506053-01 Prepared & Analyzed: 06/05/25

|                        |     |      |      |  |     |  |  |      |    |  |
|------------------------|-----|------|------|--|-----|--|--|------|----|--|
| Total Suspended Solids | 500 | 2.50 | mg/L |  | 472 |  |  | 5.76 | 20 |  |
|------------------------|-----|------|------|--|-----|--|--|------|----|--|

**Reference (B251558-SRM1)** Prepared & Analyzed: 06/05/25

|                        |      |      |      |     |  |      |        |  |  |  |
|------------------------|------|------|------|-----|--|------|--------|--|--|--|
| Total Suspended Solids | 94.0 | 2.50 | mg/L | 100 |  | 94.0 | 85-115 |  |  |  |
|------------------------|------|------|------|-----|--|------|--------|--|--|--|

#### Batch B251568 - General Prep - Wet Chem

**Blank (B251568-BLK1)** Prepared & Analyzed: 06/06/25

|                      |    |       |      |  |  |  |  |  |  |  |
|----------------------|----|-------|------|--|--|--|--|--|--|--|
| Total Organic Carbon | ND | 0.500 | mg/L |  |  |  |  |  |  |  |
|----------------------|----|-------|------|--|--|--|--|--|--|--|

**LCS (B251568-BS1)** Prepared & Analyzed: 06/06/25

|                      |      |       |      |      |  |      |        |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|
| Total Organic Carbon | 9.88 | 0.500 | mg/L | 10.0 |  | 98.8 | 85-115 |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|

**LCS Dup (B251568-BSD1)** Prepared & Analyzed: 06/09/25

|                      |      |       |      |      |  |      |        |       |    |  |
|----------------------|------|-------|------|------|--|------|--------|-------|----|--|
| Total Organic Carbon | 9.84 | 0.500 | mg/L | 10.0 |  | 98.4 | 85-115 | 0.355 | 20 |  |
|----------------------|------|-------|------|------|--|------|--------|-------|----|--|

**Matrix Spike (B251568-MS1)** Source: 2505414-01 Prepared & Analyzed: 06/06/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 12.9 | 0.500 | mg/L | 10.0 | 3.30 | 96.4 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

**Matrix Spike (B251568-MS2)** Source: 2505414-02 Prepared & Analyzed: 06/06/25

|                      |      |       |      |      |      |      |        |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|
| Total Organic Carbon | 13.2 | 0.500 | mg/L | 10.0 | 3.51 | 97.0 | 80-120 |  |  |  |
|----------------------|------|-------|------|------|------|------|--------|--|--|--|

**Matrix Spike Dup (B251568-MSD1)** Source: 2505414-01 Prepared & Analyzed: 06/06/25

|                      |      |       |      |      |      |      |        |       |    |  |
|----------------------|------|-------|------|------|------|------|--------|-------|----|--|
| Total Organic Carbon | 12.9 | 0.500 | mg/L | 10.0 | 3.30 | 95.5 | 80-120 | 0.698 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|-------|----|--|

**Matrix Spike Dup (B251568-MSD2)** Source: 2505414-02 Prepared & Analyzed: 06/06/25

|                      |      |       |      |      |      |      |        |      |    |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|
| Total Organic Carbon | 12.9 | 0.500 | mg/L | 10.0 | 3.51 | 94.2 | 80-120 | 2.14 | 20 |  |
|----------------------|------|-------|------|------|------|------|--------|------|----|--|

#### Batch B251575 - General Prep - Wet Chem

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/18/25 08:37

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Blank (B251575-BLK1)

Prepared & Analyzed: 06/06/25

|                        |    |      |      |
|------------------------|----|------|------|
| Total Dissolved Solids | ND | 10.0 | mg/L |
|------------------------|----|------|------|

#### Duplicate (B251575-DUP1)

Source: 2506041-01 Prepared & Analyzed: 06/06/25

|                        |     |      |      |     |      |    |
|------------------------|-----|------|------|-----|------|----|
| Total Dissolved Solids | 285 | 10.0 | mg/L | 305 | 6.79 | 20 |
|------------------------|-----|------|------|-----|------|----|

#### Reference (B251575-SRM1)

Prepared & Analyzed: 06/06/25

|                        |     |      |      |     |     |        |
|------------------------|-----|------|------|-----|-----|--------|
| Total Dissolved Solids | 410 | 10.0 | mg/L | 400 | 102 | 85-115 |
|------------------------|-----|------|------|-----|-----|--------|

#### Batch B251607 - IC- Ion Chromatograph

#### Blank (B251607-BLK1)

Prepared: 06/10/25 Analyzed: 06/11/25

|          |    |       |      |
|----------|----|-------|------|
| Chloride | ND | 1.00  | mg/L |
| Fluoride | ND | 0.100 | mg/L |
| Sulfate  | ND | 1.00  | mg/L |

#### LCS (B251607-BS1)

Prepared: 06/10/25 Analyzed: 06/11/25

|          |      |       |      |      |      |        |
|----------|------|-------|------|------|------|--------|
| Chloride | 24.6 | 1.00  | mg/L | 25.0 | 98.5 | 90-110 |
| Fluoride | 2.60 | 0.100 | mg/L | 2.50 | 104  | 90-110 |
| Sulfate  | 25.2 | 1.00  | mg/L | 25.0 | 101  | 90-110 |

#### LCS Dup (B251607-BSD1)

Prepared: 06/10/25 Analyzed: 06/11/25

|          |      |       |      |      |     |        |      |    |
|----------|------|-------|------|------|-----|--------|------|----|
| Chloride | 25.2 | 1.00  | mg/L | 25.0 | 101 | 90-110 | 2.50 | 20 |
| Fluoride | 2.67 | 0.100 | mg/L | 2.50 | 107 | 90-110 | 2.92 | 20 |
| Sulfate  | 25.9 | 1.00  | mg/L | 25.0 | 104 | 90-110 | 2.68 | 20 |

#### Matrix Spike (B251607-MS1)

Source: 2506041-01 Prepared: 06/10/25 Analyzed: 06/11/25

|          |      |       |      |      |       |      |        |
|----------|------|-------|------|------|-------|------|--------|
| Chloride | 36.8 | 1.00  | mg/L | 25.0 | 12.0  | 98.9 | 85-115 |
| Fluoride | 2.95 | 0.100 | mg/L | 2.50 | 0.463 | 99.3 | 85-115 |
| Sulfate  | 40.3 | 1.00  | mg/L | 25.0 | 15.5  | 99.3 | 85-115 |

#### Matrix Spike Dup (B251607-MSD1)

Source: 2506041-01 Prepared: 06/10/25 Analyzed: 06/11/25

|          |      |       |      |      |       |     |        |      |    |
|----------|------|-------|------|------|-------|-----|--------|------|----|
| Chloride | 37.4 | 1.00  | mg/L | 25.0 | 12.0  | 101 | 85-115 | 1.59 | 20 |
| Fluoride | 3.00 | 0.100 | mg/L | 2.50 | 0.463 | 102 | 85-115 | 1.95 | 20 |
| Sulfate  | 40.9 | 1.00  | mg/L | 25.0 | 15.5  | 102 | 85-115 | 1.43 | 20 |

#### Batch B251618 - General Prep - Wet Chem

#### Blank (B251618-BLK1)

Prepared: 06/10/25 Analyzed: 06/11/25

|                                              |    |      |      |
|----------------------------------------------|----|------|------|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | ND | 10.0 | mg/L |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND | 10.0 | mg/L |
| Alkalinity, Total as CaCO <sub>3</sub>       | ND | 10.0 | mg/L |

#### LCS (B251618-BS1)

Prepared: 06/10/25 Analyzed: 06/11/25

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/18/25 08:37

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251618 - General Prep - Wet Chem (Continued)

##### LCS (B251618-BS1) (Continued)

Prepared: 06/10/25 Analyzed: 06/11/25

|                                        |      |      |      |     |      |        |
|----------------------------------------|------|------|------|-----|------|--------|
| Alkalinity, Total as CaCO <sub>3</sub> | 98.0 | 10.0 | mg/L | 100 | 98.0 | 85-115 |
|----------------------------------------|------|------|------|-----|------|--------|

##### LCS Dup (B251618-BS1)

Prepared: 06/10/25 Analyzed: 06/11/25

|                                        |     |      |      |     |     |        |      |    |
|----------------------------------------|-----|------|------|-----|-----|--------|------|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 101 | 10.0 | mg/L | 100 | 101 | 85-115 | 3.02 | 20 |
|----------------------------------------|-----|------|------|-----|-----|--------|------|----|

##### Matrix Spike (B251618-MS1)

Source: 2506071-02

Prepared: 06/10/25 Analyzed: 06/11/25

|                                        |     |      |      |     |      |      |        |
|----------------------------------------|-----|------|------|-----|------|------|--------|
| Alkalinity, Total as CaCO <sub>3</sub> | 165 | 10.0 | mg/L | 100 | 68.0 | 97.0 | 80-120 |
|----------------------------------------|-----|------|------|-----|------|------|--------|

##### Matrix Spike (B251618-MS2)

Source: 2506082-01

Prepared: 06/10/25 Analyzed: 06/11/25

|                                        |     |      |      |     |     |     |        |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|
| Alkalinity, Total as CaCO <sub>3</sub> | 345 | 10.0 | mg/L | 100 | 233 | 112 | 80-120 |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|

##### Matrix Spike Dup (B251618-MSD1)

Source: 2506071-02

Prepared: 06/10/25 Analyzed: 06/11/25

|                                        |     |      |      |     |      |     |        |      |    |
|----------------------------------------|-----|------|------|-----|------|-----|--------|------|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 170 | 10.0 | mg/L | 100 | 68.0 | 102 | 80-120 | 2.99 | 20 |
|----------------------------------------|-----|------|------|-----|------|-----|--------|------|----|

##### Matrix Spike Dup (B251618-MSD2)

Source: 2506082-01

Prepared: 06/10/25 Analyzed: 06/11/25

|                                        |     |      |      |     |     |     |        |      |    |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|------|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 340 | 10.0 | mg/L | 100 | 233 | 107 | 80-120 | 1.46 | 20 |
|----------------------------------------|-----|------|------|-----|-----|-----|--------|------|----|

##### Reference (B251618-SRM1)

Prepared: 06/10/25 Analyzed: 06/11/25

|                                        |     |      |      |     |     |        |
|----------------------------------------|-----|------|------|-----|-----|--------|
| Alkalinity, Total as CaCO <sub>3</sub> | 102 | 10.0 | mg/L | 100 | 102 | 85-115 |
|----------------------------------------|-----|------|------|-----|-----|--------|

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/18/25 08:37

### Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251554 - Dissolved ICP

##### Blank (B251554-BLK1)

Prepared: 06/05/25 Analyzed: 06/09/25

|           |    |       |      |
|-----------|----|-------|------|
| Aluminum  | ND | 0.050 | mg/L |
| Calcium   | ND | 0.100 | mg/L |
| Iron      | ND | 0.050 | mg/L |
| Magnesium | ND | 0.100 | mg/L |
| Potassium | ND | 1.00  | mg/L |
| Silicon   | ND | 0.500 | mg/L |
| Sodium    | ND | 1.00  | mg/L |

##### LCS (B251554-BS1)

Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |     |        |
|-----------|------|-------|------|------|-----|--------|
| Aluminum  | 4.04 | 0.050 | mg/L | 4.00 | 101 | 85-115 |
| Calcium   | 4.13 | 0.100 | mg/L | 4.00 | 103 | 85-115 |
| Iron      | 4.14 | 0.050 | mg/L | 4.00 | 103 | 85-115 |
| Magnesium | 21.5 | 0.100 | mg/L | 20.0 | 107 | 85-115 |
| Potassium | 8.27 | 1.00  | mg/L | 8.00 | 103 | 85-115 |
| Silicon   | 4.11 | 0.500 | mg/L | 4.00 | 103 | 85-115 |
| Sodium    | 3.34 | 1.00  | mg/L | 3.24 | 103 | 85-115 |

##### LCS Dup (B251554-BSD1)

Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |      |        |      |    |
|-----------|------|-------|------|------|------|--------|------|----|
| Aluminum  | 3.95 | 0.050 | mg/L | 4.00 | 98.9 | 85-115 | 2.10 | 20 |
| Calcium   | 4.01 | 0.100 | mg/L | 4.00 | 100  | 85-115 | 3.02 | 20 |
| Iron      | 4.01 | 0.050 | mg/L | 4.00 | 100  | 85-115 | 3.28 | 20 |
| Magnesium | 20.9 | 0.100 | mg/L | 20.0 | 104  | 85-115 | 2.81 | 20 |
| Potassium | 8.17 | 1.00  | mg/L | 8.00 | 102  | 85-115 | 1.15 | 20 |
| Silicon   | 4.00 | 0.500 | mg/L | 4.00 | 100  | 85-115 | 2.59 | 20 |
| Sodium    | 3.24 | 1.00  | mg/L | 3.24 | 100  | 85-115 | 2.92 | 20 |

##### Matrix Spike (B251554-MS1)

Source: 2505423-01

Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |      |      |        |
|-----------|------|-------|------|------|------|------|--------|
| Aluminum  | 3.73 | 0.050 | mg/L | 4.00 | ND   | 93.3 | 70-130 |
| Calcium   | 40.9 | 0.100 | mg/L | 4.00 | 41.8 | NR   | 70-130 |
| Iron      | 3.76 | 0.050 | mg/L | 4.00 | ND   | 94.1 | 70-130 |
| Magnesium | 35.7 | 0.100 | mg/L | 20.0 | 17.2 | 92.2 | 70-130 |
| Potassium | 8.71 | 1.00  | mg/L | 8.00 | 1.26 | 93.2 | 70-130 |
| Silicon   | 7.30 | 0.500 | mg/L | 4.00 | 3.76 | 88.6 | 70-130 |
| Sodium    | 10.0 | 1.00  | mg/L | 3.24 | 7.74 | 70.6 | 70-130 |

M3

##### Matrix Spike (B251554-MS2)

Source: 2506009-02

Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |       |      |        |
|-----------|------|-------|------|------|-------|------|--------|
| Aluminum  | 3.68 | 0.050 | mg/L | 4.00 | ND    | 92.1 | 70-130 |
| Calcium   | 26.6 | 0.100 | mg/L | 4.00 | 25.4  | 29.0 | 70-130 |
| Iron      | 3.70 | 0.050 | mg/L | 4.00 | ND    | 92.4 | 70-130 |
| Magnesium | 23.5 | 0.100 | mg/L | 20.0 | 4.60  | 94.5 | 70-130 |
| Potassium | 8.18 | 1.00  | mg/L | 8.00 | 0.735 | 93.0 | 70-130 |

M3

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/18/25 08:37

### Dissolved Metals by ICP - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251554 - Dissolved ICP (Continued)

##### Matrix Spike (B251554-MS2) (Continued)

Source: 2506009-02 Prepared: 06/05/25 Analyzed: 06/09/25

|         |      |       |      |      |       |      |        |  |  |  |
|---------|------|-------|------|------|-------|------|--------|--|--|--|
| Silicon | 4.43 | 0.500 | mg/L | 4.00 | 0.768 | 91.7 | 70-130 |  |  |  |
| Sodium  | 3.97 | 1.00  | mg/L | 3.24 | 0.974 | 92.5 | 70-130 |  |  |  |

##### Matrix Spike Dup (B251554-MSD1)

Source: 2505423-01 Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |      |      |        |       |    |    |
|-----------|------|-------|------|------|------|------|--------|-------|----|----|
| Aluminum  | 3.82 | 0.250 | mg/L | 4.00 | ND   | 95.5 | 70-130 | 2.34  | 20 |    |
| Calcium   | 43.0 | 0.500 | mg/L | 4.00 | 41.8 | 28.9 | 70-130 | 4.93  | 20 | M3 |
| Iron      | 3.81 | 0.250 | mg/L | 4.00 | ND   | 95.3 | 70-130 | 1.29  | 20 |    |
| Magnesium | 36.5 | 0.500 | mg/L | 20.0 | 17.2 | 96.3 | 70-130 | 2.28  | 20 |    |
| Potassium | 9.00 | 5.00  | mg/L | 8.00 | 1.26 | 96.7 | 70-130 | 3.19  | 20 |    |
| Silicon   | 7.36 | 2.50  | mg/L | 4.00 | 3.76 | 90.0 | 70-130 | 0.751 | 20 |    |
| Sodium    | 9.84 | 5.00  | mg/L | 3.24 | 7.74 | 64.6 | 70-130 | 1.94  | 20 | M1 |

##### Matrix Spike Dup (B251554-MSD2)

Source: 2506009-02 Prepared: 06/05/25 Analyzed: 06/09/25

|           |      |       |      |      |       |      |        |       |    |    |
|-----------|------|-------|------|------|-------|------|--------|-------|----|----|
| Aluminum  | 3.60 | 0.250 | mg/L | 4.00 | ND    | 89.9 | 70-130 | 2.46  | 20 |    |
| Calcium   | 26.6 | 0.500 | mg/L | 4.00 | 25.4  | 29.7 | 70-130 | 0.104 | 20 | M3 |
| Iron      | 3.67 | 0.250 | mg/L | 4.00 | ND    | 91.8 | 70-130 | 0.671 | 20 |    |
| Magnesium | 23.2 | 0.500 | mg/L | 20.0 | 4.60  | 92.9 | 70-130 | 1.37  | 20 |    |
| Potassium | 8.06 | 5.00  | mg/L | 8.00 | ND    | 101  | 70-130 | 1.41  | 20 |    |
| Silicon   | 4.32 | 2.50  | mg/L | 4.00 | 0.768 | 88.9 | 70-130 | 2.49  | 20 |    |
| Sodium    | ND   | 5.00  | mg/L | 3.24 | ND    |      | 70-130 |       | 20 | M2 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/18/25 08:37

### Total Recoverable Metals by ICPMS (E200.8) - Quality Control

| Analyte                                 | Result | Reporting Limit | Units | Spike Level                                              | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|-----------------------------------------|--------|-----------------|-------|----------------------------------------------------------|---------------|------|-------------|-------|-----------|-------|
| <b>Batch B251570 - Mercury by 200.8</b> |        |                 |       |                                                          |               |      |             |       |           |       |
| <b>Blank (B251570-BLK1)</b>             |        |                 |       |                                                          |               |      |             |       |           |       |
|                                         |        |                 |       | Prepared: 06/06/25 Analyzed: 06/09/25                    |               |      |             |       |           |       |
| Mercury                                 | ND     | 0.0100          | ug/L  |                                                          |               |      |             |       |           |       |
| <b>LCS (B251570-BS1)</b>                |        |                 |       |                                                          |               |      |             |       |           |       |
|                                         |        |                 |       | Prepared: 06/06/25 Analyzed: 06/09/25                    |               |      |             |       |           |       |
| Mercury                                 | 0.0976 | 0.0100          | ug/L  | 0.100                                                    |               | 97.6 | 85-115      |       |           |       |
| <b>LCS Dup (B251570-BSD1)</b>           |        |                 |       |                                                          |               |      |             |       |           |       |
|                                         |        |                 |       | Prepared: 06/06/25 Analyzed: 06/09/25                    |               |      |             |       |           |       |
| Mercury                                 | 0.0983 | 0.0100          | ug/L  | 0.100                                                    |               | 98.3 | 85-115      | 0.669 | 20        |       |
| <b>Matrix Spike (B251570-MS1)</b>       |        |                 |       |                                                          |               |      |             |       |           |       |
|                                         |        |                 |       | Source: 2505423-01 Prepared: 06/06/25 Analyzed: 06/09/25 |               |      |             |       |           |       |
| Mercury                                 | 0.108  | 0.0100          | ug/L  | 0.100                                                    | ND            | 108  | 70-130      |       |           |       |
| <b>Matrix Spike Dup (B251570-MSD1)</b>  |        |                 |       |                                                          |               |      |             |       |           |       |
|                                         |        |                 |       | Source: 2505423-01 Prepared: 06/06/25 Analyzed: 06/09/25 |               |      |             |       |           |       |
| Mercury                                 | 0.110  | 0.0100          | ug/L  | 0.100                                                    | ND            | 110  | 70-130      | 2.38  | 20        |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/18/25 08:37

### Dissolved Metals by ICPMS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251543 - Dissolved ICPMS

##### Blank (B251543-BLK1)

Prepared & Analyzed: 06/05/25

|            |        |        |      |  |  |  |  |  |  |    |
|------------|--------|--------|------|--|--|--|--|--|--|----|
| Arsenic    | ND     | 0.0010 | mg/L |  |  |  |  |  |  |    |
| Cadmium    | ND     | 0.0005 | mg/L |  |  |  |  |  |  |    |
| Copper     | 0.0011 | 0.0010 | mg/L |  |  |  |  |  |  | B3 |
| Lead       | ND     | 0.0005 | mg/L |  |  |  |  |  |  |    |
| Manganese  | ND     | 0.0005 | mg/L |  |  |  |  |  |  |    |
| Molybdenum | ND     | 0.0005 | mg/L |  |  |  |  |  |  |    |
| Selenium   | ND     | 0.0010 | mg/L |  |  |  |  |  |  |    |
| Uranium    | ND     | 0.0005 | mg/L |  |  |  |  |  |  |    |
| Zinc       | ND     | 0.0020 | mg/L |  |  |  |  |  |  |    |

##### LCS (B251543-BS1)

Prepared & Analyzed: 06/05/25

|            |        |        |      |        |      |        |  |  |  |  |
|------------|--------|--------|------|--------|------|--------|--|--|--|--|
| Arsenic    | 0.0509 | 0.0010 | mg/L | 0.0500 | 102  | 85-115 |  |  |  |  |
| Cadmium    | 0.0494 | 0.0005 | mg/L | 0.0500 | 98.8 | 85-115 |  |  |  |  |
| Copper     | 0.0507 | 0.0010 | mg/L | 0.0500 | 101  | 85-115 |  |  |  |  |
| Lead       | 0.0507 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |  |  |  |  |
| Manganese  | 0.0503 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |  |  |  |  |
| Molybdenum | 0.0506 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |  |  |  |  |
| Selenium   | 0.247  | 0.0010 | mg/L | 0.250  | 98.9 | 85-115 |  |  |  |  |
| Uranium    | 0.0499 | 0.0005 | mg/L | 0.0500 | 99.7 | 85-115 |  |  |  |  |
| Zinc       | 0.0500 | 0.0020 | mg/L | 0.0500 | 100  | 85-115 |  |  |  |  |

##### LCS Dup (B251543-BSD1)

Prepared & Analyzed: 06/05/25

|            |        |        |      |        |      |        |         |    |  |  |
|------------|--------|--------|------|--------|------|--------|---------|----|--|--|
| Arsenic    | 0.0504 | 0.0010 | mg/L | 0.0500 | 101  | 85-115 | 0.855   | 20 |  |  |
| Cadmium    | 0.0493 | 0.0005 | mg/L | 0.0500 | 98.6 | 85-115 | 0.157   | 20 |  |  |
| Copper     | 0.0503 | 0.0010 | mg/L | 0.0500 | 101  | 85-115 | 0.761   | 20 |  |  |
| Lead       | 0.0505 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 0.263   | 20 |  |  |
| Manganese  | 0.0503 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 0.00230 | 20 |  |  |
| Molybdenum | 0.0509 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 0.521   | 20 |  |  |
| Selenium   | 0.250  | 0.0010 | mg/L | 0.250  | 99.9 | 85-115 | 0.993   | 20 |  |  |
| Uranium    | 0.0506 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 1.44    | 20 |  |  |
| Zinc       | 0.0491 | 0.0020 | mg/L | 0.0500 | 98.1 | 85-115 | 1.95    | 20 |  |  |

##### Matrix Spike (B251543-MS1)

Source: 2505414-01

Prepared & Analyzed: 06/05/25

|            |        |        |      |        |        |      |        |  |  |  |
|------------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Arsenic    | 0.0561 | 0.0010 | mg/L | 0.0500 | 0.0008 | 111  | 70-130 |  |  |  |
| Cadmium    | 0.0496 | 0.0005 | mg/L | 0.0500 | ND     | 99.3 | 70-130 |  |  |  |
| Copper     | 0.0399 | 0.0010 | mg/L | 0.0500 | 0.0014 | 77.2 | 70-130 |  |  |  |
| Lead       | 0.0511 | 0.0005 | mg/L | 0.0500 | ND     | 102  | 70-130 |  |  |  |
| Manganese  | 0.0454 | 0.0005 | mg/L | 0.0500 | 0.0044 | 82.1 | 70-130 |  |  |  |
| Molybdenum | 0.0557 | 0.0005 | mg/L | 0.0500 | 0.0030 | 105  | 70-130 |  |  |  |
| Selenium   | 0.290  | 0.0010 | mg/L | 0.250  | 0.0015 | 116  | 70-130 |  |  |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/18/25 08:37

### Dissolved Metals by ICPMS - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251543 - Dissolved ICPMS (Continued)

##### Matrix Spike (B251543-MS1) (Continued)

Source: 2505414-01 Prepared & Analyzed: 06/05/25

|         |        |        |      |        |        |      |        |  |  |  |
|---------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Uranium | 0.0563 | 0.0005 | mg/L | 0.0500 | 0.0027 | 107  | 70-130 |  |  |  |
| Zinc    | 0.0430 | 0.0020 | mg/L | 0.0500 | 0.0020 | 81.9 | 70-130 |  |  |  |

##### Matrix Spike (B251543-MS2)

Source: 2505414-02 Prepared & Analyzed: 06/05/25

|            |        |        |      |        |        |      |        |  |  |  |
|------------|--------|--------|------|--------|--------|------|--------|--|--|--|
| Arsenic    | 0.0579 | 0.0010 | mg/L | 0.0500 | 0.0007 | 115  | 70-130 |  |  |  |
| Cadmium    | 0.0497 | 0.0005 | mg/L | 0.0500 | ND     | 99.4 | 70-130 |  |  |  |
| Copper     | 0.0394 | 0.0010 | mg/L | 0.0500 | 0.0013 | 76.1 | 70-130 |  |  |  |
| Lead       | 0.0501 | 0.0005 | mg/L | 0.0500 | ND     | 100  | 70-130 |  |  |  |
| Manganese  | 0.0460 | 0.0005 | mg/L | 0.0500 | 0.0049 | 82.2 | 70-130 |  |  |  |
| Molybdenum | 0.0570 | 0.0005 | mg/L | 0.0500 | 0.0031 | 108  | 70-130 |  |  |  |
| Selenium   | 0.298  | 0.0010 | mg/L | 0.250  | 0.0016 | 119  | 70-130 |  |  |  |
| Uranium    | 0.0562 | 0.0005 | mg/L | 0.0500 | 0.0026 | 107  | 70-130 |  |  |  |
| Zinc       | 0.0425 | 0.0020 | mg/L | 0.0500 | 0.0019 | 81.3 | 70-130 |  |  |  |

##### Matrix Spike Dup (B251543-MSD1)

Source: 2505414-01 Prepared & Analyzed: 06/05/25

|            |        |        |      |        |        |      |        |       |    |  |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|--|
| Arsenic    | 0.0571 | 0.0010 | mg/L | 0.0500 | 0.0008 | 113  | 70-130 | 1.86  | 20 |  |
| Cadmium    | 0.0494 | 0.0005 | mg/L | 0.0500 | ND     | 98.8 | 70-130 | 0.449 | 20 |  |
| Copper     | 0.0394 | 0.0010 | mg/L | 0.0500 | 0.0014 | 76.2 | 70-130 | 1.21  | 20 |  |
| Lead       | 0.0490 | 0.0005 | mg/L | 0.0500 | ND     | 98.1 | 70-130 | 4.18  | 20 |  |
| Manganese  | 0.0452 | 0.0005 | mg/L | 0.0500 | 0.0044 | 81.7 | 70-130 | 0.465 | 20 |  |
| Molybdenum | 0.0555 | 0.0005 | mg/L | 0.0500 | 0.0030 | 105  | 70-130 | 0.469 | 20 |  |
| Selenium   | 0.292  | 0.0010 | mg/L | 0.250  | 0.0015 | 116  | 70-130 | 0.651 | 20 |  |
| Uranium    | 0.0553 | 0.0005 | mg/L | 0.0500 | 0.0027 | 105  | 70-130 | 1.88  | 20 |  |
| Zinc       | 0.0421 | 0.0020 | mg/L | 0.0500 | 0.0020 | 80.3 | 70-130 | 1.98  | 20 |  |

##### Matrix Spike Dup (B251543-MSD2)

Source: 2505414-02 Prepared & Analyzed: 06/05/25

|            |        |        |      |        |        |      |        |       |    |  |
|------------|--------|--------|------|--------|--------|------|--------|-------|----|--|
| Arsenic    | 0.0597 | 0.0010 | mg/L | 0.0500 | 0.0007 | 118  | 70-130 | 2.91  | 20 |  |
| Cadmium    | 0.0493 | 0.0005 | mg/L | 0.0500 | ND     | 98.7 | 70-130 | 0.699 | 20 |  |
| Copper     | 0.0395 | 0.0010 | mg/L | 0.0500 | 0.0013 | 76.4 | 70-130 | 0.363 | 20 |  |
| Lead       | 0.0503 | 0.0005 | mg/L | 0.0500 | ND     | 101  | 70-130 | 0.275 | 20 |  |
| Manganese  | 0.0461 | 0.0005 | mg/L | 0.0500 | 0.0049 | 82.4 | 70-130 | 0.280 | 20 |  |
| Molybdenum | 0.0566 | 0.0005 | mg/L | 0.0500 | 0.0031 | 107  | 70-130 | 0.740 | 20 |  |
| Selenium   | 0.300  | 0.0010 | mg/L | 0.250  | 0.0016 | 120  | 70-130 | 0.657 | 20 |  |
| Uranium    | 0.0571 | 0.0005 | mg/L | 0.0500 | 0.0026 | 109  | 70-130 | 1.70  | 20 |  |
| Zinc       | 0.0423 | 0.0020 | mg/L | 0.0500 | 0.0019 | 80.9 | 70-130 | 0.483 | 20 |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/18/25 08:37

### Notes and Definitions

|     |                                                                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M3  | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| M2  | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| M1  | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |
| B3  | Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result.                                                     |
| DET | Analyte DETECTED                                                                                                                                                                   |
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                                               |
| NR  | Not Reported                                                                                                                                                                       |
| dry | Sample results reported on a dry weight basis<br>*Results reported on as received basis unless designated as dry.                                                                  |
| RPD | Relative Percent Difference                                                                                                                                                        |
| LCS | Laboratory Control Sample (Blank Spike)                                                                                                                                            |
| RL  | Report Limit                                                                                                                                                                       |
| MDL | Method Detection Limit                                                                                                                                                             |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline w-LLHg  
Project Name / Number: [none]  
Project Manager: Michael Dickson

**Reported:**  
06/18/25 08:37

### Qualifier Summary

| <u>LabNumber</u>    | <u>Analysis</u>           | <u>Analyte</u>       | <u>Qualifier</u> | <u>TextBody</u>                                                                                                                                                                    |
|---------------------|---------------------------|----------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2505423-01</b>   | Copper Dissolved by ICPMS | Copper               | B3               | Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result.                                                     |
| <b>B251512-MS1</b>  | Oil & Grease              | Oil & Grease (HEM)   | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| <b>B251543-BLK1</b> | Copper Dissolved by ICPMS | Copper               | B3               | Target analyte detected in method blank or continuing calibration blank. Reporting limit elevated to account for blank result.                                                     |
| <b>B251548-MSD1</b> | Nitrate/Nitrite [LACHAT]  | Nitrate/Nitrite as N | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| <b>B251548-MSD2</b> | Nitrate/Nitrite [LACHAT]  | Nitrate/Nitrite as N | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| <b>B251554-MS1</b>  | Calcium Dissolved by ICP  | Calcium              | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251554-MS2</b>  | Calcium Dissolved by ICP  | Calcium              | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251554-MSD1</b> | Calcium Dissolved by ICP  | Calcium              | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251554-MSD1</b> | Sodium Dissolved by ICP   | Sodium               | M1               | Matrix spike recovery was above laboratory acceptance criteria.                                                                                                                    |
| <b>B251554-MSD2</b> | Calcium Dissolved by ICP  | Calcium              | M3               | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251554-MSD2</b> | Sodium Dissolved by ICP   | Sodium               | M2               | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



75 Suttle Street  
Durango, CO 81303  
(970) 247-4220

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST  
FORM-006, R 8.0

Note: Write-Out™ or similar products cannot be used on the Chain of Custody

Company or Client: GCC Energy

Address: 6473 CR 120

City: Hesperus

State: CO Zip: 81326

Phone #: 970.385.4528

Contact Person: Michael Dickson for billing; Landon Beck for logistical or technical

Email Report to: mdickson@gcc.com; lbeck@slrconsulting.com; tom@haygulchservices.com

Project Name(optional):

Sampler Name (Print):

Brandon Waddell

Bill to (if different):

ANALYSIS REQUEST

P.O. #:

Rush?

Y N

Matrix (check one)

GROUNDWATER

SURFACE WATER

WASTEWATER

PRODUCED WATER

DRINKING WATER

SOIL

OTHER:

# of containers

No preservation

Nitric Acid

Hydrochloric Acid

Sulfuric Acid

Sodium Hydroxide

OTHER:

GCC GW Baseline

GCC SW Baseline

GCC S&S Baseline

| Lab I.D. | Sample Name or Location    | Date    | Time  | Matrix (check one)                  |               |            |                |                |      |        | # of containers |             |                   |               |                  |        |  |  |  |  |  |  |  |  |
|----------|----------------------------|---------|-------|-------------------------------------|---------------|------------|----------------|----------------|------|--------|-----------------|-------------|-------------------|---------------|------------------|--------|--|--|--|--|--|--|--|--|
|          |                            |         |       | GROUNDWATER                         | SURFACE WATER | WASTEWATER | PRODUCED WATER | DRINKING WATER | SOIL | OTHER: | No preservation | Nitric Acid | Hydrochloric Acid | Sulfuric Acid | Sodium Hydroxide | OTHER: |  |  |  |  |  |  |  |  |
| 2505423  | Hay Gulch Ditch Upgradient | 5-30-25 | 11:56 | <input checked="" type="checkbox"/> |               |            |                |                |      |        | 4               | 1           | 4                 |               |                  |        |  |  |  |  |  |  |  |  |
| 2        |                            |         |       |                                     |               |            |                |                |      |        |                 |             |                   |               |                  |        |  |  |  |  |  |  |  |  |
| 3        |                            |         |       |                                     |               |            |                |                |      |        |                 |             |                   |               |                  |        |  |  |  |  |  |  |  |  |
| 4        |                            |         |       |                                     |               |            |                |                |      |        |                 |             |                   |               |                  |        |  |  |  |  |  |  |  |  |
| 5        |                            |         |       |                                     |               |            |                |                |      |        |                 |             |                   |               |                  |        |  |  |  |  |  |  |  |  |
| 6        |                            |         |       |                                     |               |            |                |                |      |        |                 |             |                   |               |                  |        |  |  |  |  |  |  |  |  |
| 7        |                            |         |       |                                     |               |            |                |                |      |        |                 |             |                   |               |                  |        |  |  |  |  |  |  |  |  |
| 8        |                            |         |       |                                     |               |            |                |                |      |        |                 |             |                   |               |                  |        |  |  |  |  |  |  |  |  |
| 9        |                            |         |       |                                     |               |            |                |                |      |        |                 |             |                   |               |                  |        |  |  |  |  |  |  |  |  |
| 10       |                            |         |       |                                     |               |            |                |                |      |        |                 |             |                   |               |                  |        |  |  |  |  |  |  |  |  |

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion of the applicable service. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

*[Signature]*

Date: 5-30-25  
Time: 10:10

Received By: *[Signature]*

Date: 5-30-25  
Time: 10:10

ADDITIONAL REMARKS:

Relinquished By:

Received By:

Date: 5-30-25  
Time: 10:10

ADDITIONAL REMARKS:

Relinquished By:

Received By:

Date: 5-30-25  
Time: 10:10

ADDITIONAL REMARKS:

Relinquished By:

Received By:

Date: 5-30-25  
Time: 10:10

ADDITIONAL REMARKS:

\* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.



SAMPLE CONDITION RECEIPT FORM

|                                      |                                    |
|--------------------------------------|------------------------------------|
| Date/Initials of examining contents: | Table of Contents<br>JW<br>5/30/25 |
| Labeled by initials:                 | (If different than above)          |

Client Name: GCC Energy

Work Order # 2505 423

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Kangaroo ☐ Third Party ☐ Other

Custody Seals on Box/Cooler Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☒ No GAL Cooler #: \_\_\_\_\_

Thermometer Used: 02 Samples on ice, cooling process has begun: ☒ Yes ☐ No

Type of Ice: ☒ Wet ☐ Blue ☐ None Cooler Temp: Observed Temp: 5.4 °C Correction Factor: -0.9 °C Final Temp: 4.5 °C  
\*Temp should be above freezing 6°C

Compliance: ☐ Yes ☒ No

|                                                                                     |                                                                                                  |              |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------|
| Chain of Custody Filled Out:                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 1.           |
| COC Signed when Relinquished and Received:                                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 2.           |
| Sampler Name and Signature on COC:<br>*Required for compliance                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 3.           |
| Samples arrived within hold time:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 4.           |
| Correct Containers Used & Intact:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5.           |
| Short Hold Time Analysis (<72hr):                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 6. <u>pH</u> |
| Rush Turn Around Time Requested:                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 7.           |
| Sufficient Volume:                                                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 8.           |
| pH's acceptable upon receipt, where applicable:<br>'Not including metals bottles    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9.           |
| Dissolved Testing Needed:                                                           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 10.          |
| Field Filtered: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                  | 11.          |
| Sample Labels match COC:<br>-Includes Date/Time/ID                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 12.          |
| Matrix:                                                                             | <input checked="" type="checkbox"/> WT <input type="checkbox"/> SL <input type="checkbox"/> OT   |              |
| Trip Blank Present:                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |              |
| Trip Blank Custody Seals Present:                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |              |
| VOA's meet headspace requirement (<6mm bubbles)                                     | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |              |
| Non-Conformance(s):                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No                                         | 13.          |

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_