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April 15, 2022

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

Attn: Janet Binns, Environmental Protection Specialist III

Re: GCC Energy, LLC, King II Mine  
CDRMS Permit # C-1981-035  
Water Monitoring Analysis; King I & King II  
1st Quarter 2022

Ms. Binns:

Please find enclosed a copy of quarterly water analysis reports for the 1st quarter of 2022 for the following water monitoring locations:

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

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

Please contact me at 505.238.8272 or svance@gcc.com if you have any questions or require any additional information.

Sincerely,

A handwritten signature in blue ink, appearing to read "Sarah Vance", written in a cursive style.

Sarah Vance  
Environmental Manager  
GCC Energy, LLC

GCC Energy Hydrologic Monitoring Data

| Hay Gulch Ditch Upgradient    |         |         |       |      |         |      |      |         |       |         |       |      |      |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|-------------------------------|---------|---------|-------|------|---------|------|------|---------|-------|---------|-------|------|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                          | 2016    |         |       |      |         |      |      |         |       |         | 2017  |      |      |         |         |         | 2018    |         |         |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |
| 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      |         |
| Month                         | 3       | 4       | 5     | 6    | 7       | 8    | 9    | 10      | 11    | 12      | 1     | 2    | 3    | 6       | 9       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 12      | 2       | 6       | 9       | 11      | 3       |         |
| Sample Date                   | 3/31    | 4/22    | 5/26  | 6/23 | 7/20    | 8/25 | 9/21 | 10/19   | 11/29 | 12/13   | 1/26  | 2/27 | 3/22 | 6/28    | 9/21    | 11/28   | 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    |         |
| Lab Analysis (Y/N)            | Y       | N       | N     | Y    | N       | N    | Y    | Y       | Y     | N       | N     | N    | 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     | 0.70    | 1.0   | 1.20 | 1.60    | 1.0  | 1.0  | 1.10    | 1.0   | NM      | 1.0   | NM   | 0.82 | 0.28    | 2.70    | NM      | NM      | 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    |
| Temperature                   | deg C   | 9.8     | 20.9  | 11.3 | 21.1    | 20.8 | 16.8 | 14.9    | 16.4  | 5.9     | 7.0   | 1.5  | 4.7  | 10.7    | 20.2    | 19.7    | 8.8     | 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     |
| pH                            | SU      | 7.75    | 8.27  | 7.95 | 8.15    | 8.24 | 8.26 | 8.47    | 8.19  | 8.79    | 8.58  | 8.2  | 8.69 | 8.77    | 8.88    | 8.39    | 7.60    | 7.9     | 7.58    | 9.07    | 7.16    | 6.4     | 7.53    | 8.03    | 7.33    | 7.75    | 8.39    | 8.65    | 8.08    | 7.83    | 7.75    | 8.07    | 6.94    | 7.11    |
| Specific Conductance          | µS/cm   | 247     | 323   | 197  | 141     | 189  | 207  | 233     | 210   | 258     | 234   | 687  | 455  | 454     | 106     | 549     | 868     | 1041    | 304     | 307     | 307     | 752     | 306     | 275     | 682     | 902     | 314     | 528     | 434     | 1024    | 189     | 280     | 252     | 553     |
| Oxygen Reduction Potential    | mV      | 76.4    | 114.7 | 97.2 | 51.6    | 53.6 | 82.8 | 72.5    | 105.9 | 92.4    | 116.3 | 66.3 | -12  | -10.6   | 23.8    | 86.1    | 95.10   | -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     |
| Dissolved Oxygen              | mg/L    | 8.1     | 6.4   | 8.0  | 6.0     | 6.5  | 6.9  | 7.2     | 4.7   | 6.7     | 6.1   | 10.6 | 9.0  | 6.9     | 4.8     | 6.7     | 9.3     | 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     |
| Lab Analytical Results:       |         |         |       |      |         |      |      |         |       |         |       |      |      |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3             | mg/L    | 128     |       |      | 80.9    |      |      | 119     |       | 152     |       |      |      | 257     | 69.2    | 316     | 456     | 489     | 101     | 153     | 149     | 393     | 136     | 125     | 372     | 405     | 150     | 287     | 213     | 588     | 92.6    | 131     | 120     | 280     |
| pH (Lab)                      | SU      | 8.17    |       |      | 8.04    |      |      | 8.16    |       | 8.19    |       |      |      | 8.06    | 8.06    | 8.22    | 8.31    | 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    |
| Total Dissolved Solids (Lab)  | mg/L    | 170     |       |      | 75      |      |      | 165     |       | 180     |       |      |      | 285     | 65.0    | 390     | 650     | 700     | 140     | 215     | 175     | 535     | 205     | 225     | 635     | 587     | 255     | 340     | 160     | 685     | 210     | 185     | 140     | 380     |
| Total Suspended Solids        | mg/L    | 30.0    |       |      | 117     |      |      | 17.0    |       | 4.8     |       |      |      | 2.50    | 63.5    | 2.00    | 5.75    | 6.01    | 106     | 6.25    | 14.8    | 22.0    | 113     | 20.0    | 5.38    | <4.0    | 140     | 19.5    | 13.2    | 55      | 133     | 51      | 13.2    | 13.4    |
| Calcium                       | mg/L    | 33.5    |       |      | 24      |      |      | 33.0    |       | 38.4    |       |      |      | 53.6    | 20.8    | 64.9    | 86.6    | 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     | 25.8    | 35.8    | 34.2    | 61.7    |
| Magnesium                     | mg/L    | 10.9    |       |      | 5.08    |      |      | 9.01    |       | 13.7    |       |      |      | 29.8    | 4.21    | 37.5    | 58.3    | 65.9    | 8.61    | 13.5    | 11.9    | 47.0    | 12.1    | 10.8    | 42.2    | 49      | 14.5    | 31.3    | 21.5    | 74.3    | 6.87    | 10.1    | 8.35    | 30.5    |
| Sodium                        | mg/L    | 4.46    |       |      | 2.19    |      |      | 3.90    |       | 6       |       |      |      | 10.9    | 1.97    | 13.8    | 27.1    | 34.6    | 3.31    | 5.33    | 5.00    | 19.1    | 7.24    | 5.81    | 25.4    | 30.9    | 7.67    | 10.9    | 8.39    | 34.3    | 2.71    | 3.97    | 3.53    | 13.8    |
| Potassium                     | mg/L    | <1      |       |      | <1      |      |      | 1.35    |       | <1.00   |       |      |      | <1.00   | 1.75    | 2.15    | 3.05    | 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    |
| Alkalinity, Total             | mg/L    | 160     |       |      | 65      |      |      | 98.0    |       | 118     |       |      |      | 185     | 55.0    | 177     | 305     | 244     | 67      | 111     | 120     | 260     | 390     | 103     | 233     | 315     | 102     | 220     | 137     | 340     | 68      | 98      | 87.0    | 162     |
| Alkalinity, Bicarbonate       | mg/L    | 160     |       |      | 65      |      |      | 94.0    |       | 118     |       |      |      | 185     | 55.0    | 161     | 285     | 244     | 67      | 107     | 120     | 260     | 390     | 103     | 233     | 295     | 102     | 220     | 131     | 340     | 68      | 98      | 87.0    | 162     |
| Alkalinity, Carbonate         | mg/L    | <10.0   |       |      | <10.0   |      |      | <10.0   |       | <10.0   |       |      |      | <10.0   | <10.0   | 16.0    | 20.0    | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <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   |
| Chloride                      | mg/L    | 5.77    |       |      | 2.07    |      |      | 4.32    |       | 7.92    |       |      |      | 22.7    | 1.76    | 30.8    | 48.2    | 46.7    | 3.12    | 6.70    | 5.58    | 48.1    | 7.75    | 6.04    | 22.8    | 31.6    | 9.64    | 24.5    | 14.8    | 85.9    | 3.17    | 5.23    | 3.44    | 32.3    |
| Fluoride                      | mg/L    | 0.213   |       |      | 0.208   |      |      | 0.223   |       | 0.208   |       |      |      | 0.215   | 0.195   | 0.265   | 0.283   | 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   |
| Sulfate as SO4                | mg/L    | 42.1    |       |      | 17.7    |      |      | 29.0    |       | 45.3    |       |      |      | 87.7    | 15.0    | 99.0    | 179     | 229     | 34      | 49.7    | 45.0    | 128     | 47.2    | 35.6    | 107     | 151     | 44.0    | 86.3    | 64.4    | 211     | 26.4    | 42.2    | 40.0    | 95.5    |
| Total Organic Carbon (TOC)    | mg/L    | 1.41    |       |      | 1.6     |      |      | 2.21    |       | 1.14    |       |      |      | 2.49    | 1.15    | 1.90    | 1.99    | 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    | 2.8     | 0.832   | 1.86    |
| 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   |
| Nitrate/Nitrite as N          | mg/L    | <0.02   |       |      | 0.028   |      |      | <0.020  |       | <0.020  |       |      |      | 0.053   | <0.020  | 0.045   | 0.088   | 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   |
| Sodium Adsorption Ratio (SAR) | no unit | 0.17    |       |      | 0.1     |      |      | 0.16    |       | 0.21    |       |      |      | 0.30    | 0.10    | 0.34    | 0.55    | 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    |
| Ammonia as N ^                | mg/L    | NA      |       |      | NA      |      |      | NA      |       | NA      |       |      |      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | <0.100  | 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      | <0.0500 | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |
| Aluminum                      | mg/L    | <0.05   |       |      | <0.05   |      |      | <0.05   |       | <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  | <0.050  | <0.050  |
| Arsenic                       | mg/L    | <0.0005 |       |      | <0.0005 |      |      | <0.0005 |       | <0.0005 |       |      |      | 0.0005  | <0.0005 | 0.0009  | 0.0007  | <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 | 0.001   | <0.0005 | 0.0005  |
| Cadmium                       | mg/L    | <0.0001 |       |      | <0.0001 |      |      | <0.0001 |       | <0.0001 |       |      |      | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0005 | <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 |
| Copper                        | mg/L    | 0.0006  |       |      | 0.0011  |      |      | 0.0011  |       | 0.0005  |       |      |      | 0.0008  | 0.0013  | 0.0006  | 0.0005  | 0.0007  | 0.0011  | 0.0011  | 0.0013  | 0.0026  | 0.0013  | 0.0012  | 0.0005  | 0.0005  | 0.0010  | 0.0006  | 0.0005  | 0.0007  | 0.0009  |         |         |         |

GCC Energy Hydrologic Monitoring Data

| Hay Gulch Ditch Downgradient  |         |         |       |      |         |      |      |         |       |         |       |       |       |         |         |         |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|-------------------------------|---------|---------|-------|------|---------|------|------|---------|-------|---------|-------|-------|-------|---------|---------|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                          |         | 2016    |       |      |         |      |      |         |       |         |       | 2017  |       |         |         |         | 2018  |         |         |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |
| 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      |         |
| Month                         |         | 3       | 4     | 5    | 6       | 7    | 8    | 9       | 10    | 11      | 12    | 1     | 2     | 3       | 6       | 9       | 11    | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 6       | 8       | 12      | 2       | 6       | 9       | 11      | 3       |
| Sample Date                   |         | 3/31    | 4/22  | 5/26 | 6/23    | 7/20 | 8/25 | 9/21    | 10/19 | 11/29   | 12/13 | 1/26  | 2/27  | 3/22    | 6/28    | 9/21    | 11/28 | 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    |
| Lab Analysis (Y/N)            |         | Y       | N     | N    | Y       | N    | N    | Y       | N     | Y       | N     | N     | N     | Y       | Y       | Y       | N     | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       |         |
| Field Parameters:             |         |         |       |      |         |      |      |         |       |         |       |       |       |         |         |         |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Flow Rate                     | cfs     | 1.10    | 1.20  | 1.10 | NM      | 1.10 | 1.10 | NM      | 0.80  | NM      | NM    | NM    | 0.80  | 0.30    | 0.30    | NM      | dry   | 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    | 0.060   |
| Temperature                   | deg C   | 11.8    | 17.6  | 10.9 | 21.9    | 21.3 | 18.8 | 16.1    | 11.8  | 7.0     | 6.6   | 7.2   | 5.0   | 12.7    | 17.6    | 18.7    |       | 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    |
| pH                            | SU      | 8.57    | 8.55  | 8.14 | 8.14    | 8.55 | 8.37 | 8.3     | 8.36  | 8.64    | 8.06  | 7.28  | 8.06  | 9.00    | 8.53    | 8.66    |       | 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    |
| Specific Conductance          | µS/cm   | 429     | 530   | 297  | 116     | 308  | 257  | 1183    | 420   | 421     | 728   | 678   | 987   | 17      | 114     | 164     |       | 742     | 304     | 356     | 309     | 577     | 202     | 295     | 554     | 882     | 137     | 237     | 478     | 815     | 131     | 184     | 311     | 636     |
| Oxygen Reduction Potential    | mV      | 57.5    | 105.9 | 33.2 | 32.5    | 68.6 | 38.4 | 18.7    | 88.6  | 117.5   | 155.2 | 147.6 | -15.5 | 137.8   | 185.3   | 48      |       | 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   |
| Dissolved Oxygen              | mg/L    | 7.9     | 7.7   | 8.7  | 6.0     | 6.7  | 5.6  | 6.8     | 7.1   | 6.5     | 7.2   | 7.6   | 9.8   | 5.6     | 6.4     | 7.1     | 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      |         |
| Lab Analytical Results:       |         |         |       |      |         |      |      |         |       |         |       |       |       |         |         |         |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3             | mg/L    | 226     |       |      | 67.8    |      |      | 480     |       | 267     |       |       |       | 503     | 59.1    | 91.4    |       | 329     | 140     | 182     | 167     | 281     | 91.9    | 137     | 295     | 416     | 63.6    | 120     | 232     | 419     | 64.8    | 90.7    | 143     | 346     |
| pH (Lab)                      | SU      | 8.42    |       |      | 8.13    |      |      | 8.25    |       | 8.24    |       |       |       | 8.15    | 7.98    | 7.98    |       | 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    |
| Total Dissolved Solids (Lab)  | mg/L    | 270     |       |      | 55      |      |      | 630     |       | 320     |       |       |       | 615     | 65.0    | 80.0    |       | 420     | 220     | 260     | 185     | 390     | 185     | 195     | 355     | 573     | 120     | 135     | 370     | 435     | 175     | 90      | 120     | 410     |
| Total Suspended Solids        | mg/L    | 27.3    |       |      | 18      |      |      | 4.20    |       | 12.4    |       |       |       | 12.7    | 3.00    | <0.500  |       | 49.5    | <2      | 5.67    | 4.40    | 18.4    | 153.0   | 22.5    | <4.00   | 4.20    | 17.5    | 28.6    | 10.5    | 28.0    | 8.4     | 4.8     | 5.44    | 18.3    |
| Calcium                       | mg/L    | 55.5    |       |      | 21.9    |      |      | 94.7    |       | 65.5    |       |       |       | 112     | 19.0    | 29.5    |       | 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    |
| Magnesium                     | mg/L    | 21.1    |       |      | 3.15    |      |      | 59.1    |       | 25.2    |       |       |       | 54.6    | 2.86    | 4.31    |       | 34.2    | 11.2    | 14.4    | 13.4    | 31      | 6.54    | 12.3    | 30.8    | 49.0    | 3.15    | 8.38    | 22.7    | 42.2    | 2.86    | 3.94    | 11.0    | 34.2    |
| Sodium                        | mg/L    | 8.69    |       |      | 1.57    |      |      | 16.8    |       | 10.7    |       |       |       | 22.5    | 1.49    | 2.37    |       | 18.1    | 5.42    | 6.49    | 5.15    | 16.5    | 5.03    | 6.62    | 17.0    | 28.5    | 1.90    | 3.68    | 9.03    | 15.8    | 1.14    | 1.75    | 4.71    | 16.4    |
| Potassium                     | mg/L    | 1.49    |       |      | <1      |      |      | 4.48    |       | 1.46    |       |       |       | 2.33    | <1.00   | <1.00   |       | 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    |
| Alkalinity, Total             | mg/L    | 220     |       |      | 59      |      |      | 220     |       | 225     |       |       |       | 320     | 47.0    | 85.0    |       | 265     | 112     | 170     | 140     | 150     | 340     | 140     | 194     | 297     | 48      | 110     | 158     | 315     | 52      | 72      | 116     | 282     |
| Alkalinity, Bicarbonate       | mg/L    | 220     |       |      | 59      |      |      | 140     |       | 155     |       |       |       | 320     | 47.0    | 85.0    |       | 259     | 104     | 170     | 140     | 150     | 340     | 140     | 188     | 283     | 48      | 110     | 154     | 315     | 52      | 72      | 116     | 282     |
| Alkalinity, Carbonate         | mg/L    | <10     |       |      | <10     |      |      | 80.0    |       | 70      |       |       |       | <10.0   | <10.0   | <10.0   |       | <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   |         |
| Alkalinity, Hydroxide         | mg/L    | <10     |       |      | <10     |      |      | <10     |       | <10.0   |       |       |       | <10.0   | <10.0   | <10.0   |       | <10.0   | <10.0   | <10.0   | <10.0   | <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    | 9.40    |       |      | 1.26    |      |      | 97.9    |       | 12      |       |       |       | 31.9    | <1.00   | 1.54    |       | 23.1    | 7.54    | 7.47    | 5.69    | 40.2    | 16.9    | 7.65    | 14.8    | 30.7    | 1.87    | 4.42    | 17.1    | 59      | 1.16    | 1.21    | 5.07    | 15.0    |
| Fluoride                      | mg/L    | 0.244   |       |      | 0.195   |      |      | 0.244   |       | 0.227   |       |       |       | 0.224   | 0.290   | 0.227   |       | 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   |
| Sulfate as SO4                | mg/L    | 68.1    |       |      | 13.5    |      |      | 144     |       | 89.5    |       |       |       | 204     | 11.3    | 17.9    |       | 86.5    | 40.2    | 46.8    | 45.0    | 91.4    | 18.5    | 42.7    | 83.3    | 143     | 14.2    | 32.4    | 70.2    | 90.1    | 17.3    | 25.7    | 46.3    | 74.7    |
| Total Organic Carbon (TOC)    | mg/L    | 1.53    |       |      | 1.4     |      |      | 3.48    |       | 1.65    |       |       |       | 2.31    | 2.16    | 0.932   |       | 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    |
| Oil & Grease                  | mg/L    | <5      |       |      | <5      |      |      | <5      |       | <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    | <0.02   |       |      | 0.026   |      |      | 0.027   |       | <0.020  |       |       |       | <0.020  | <0.020  | <0.020  |       | <0.020  | <0.020  | <0.020  | <0.020  | 0.17    | 0.146   | 0.090   | <0.020  | 0.056   | 0.031   | 0.053   | <0.020  | 0.148   | 0.021   | <0.020  | <0.020  | 0.041   |
| Sodium Adsorption Ratio (SAR) | no unit | 0.25    |       |      | 0.03    |      |      | 0.33    |       | 0.28    |       |       |       | 0.44    | 0.08    | 0.11    |       | 0.43    | 0.2     | 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    |
| Ammonia as N ^                | mg/L    | NA      |       |      | NA      |      |      | NA      |       | NA      |       |       |       | NA      | NA      | NA      |       | NA      | NA      | NA      | NA      | NA      | NA      | NA      | <0.100  | 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      | <0.0500 | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |         |
| Aluminum                      | mg/L    | <0.05   |       |      | <0.05   |      |      | <0.05   |       | <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  |         |
| Arsenic                       | mg/L    | 0.0005  |       |      | <0.0005 |      |      | 0.0015  |       | 0.0006  |       |       |       | 0.0006  | 0.0005  | 0.0006  |       | 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 |
| 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 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0005 | <0.0005 | <0.0005 | <0.0005 |         |
| Copper                        | mg/L    | 0.0004  |       |      | 0.0016  |      |      | 0.0012  |       | 0.0005  |       |       |       | 0.0005  | 0.0008  | 0.0013  |       | 0.0005  | 0.0008  | 0.0008  | 0.0008  | <0.0010 | 0.0021  | 0.0009  | 0.0007  | 0.0006  | 0.0014  | 0.0009  | 0.0005  | 0.0006  | 0.0011  | 0.001   | 0.0007  | 0.0009  |
| Iron                          | mg/L    | <0.05   |       |      | <0.05   |      |      | <0.05   |       | <0.050  |       |       |       | <0.050  | <0.050  | <0.050  |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |

GCC Energy Hydrologic Monitoring Data

| Well #1 Upgradient           |        |         |        |        |         |        |        |         |        |         |        |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------|--------|---------|--------|--------|---------|--------|--------|---------|--------|---------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                         | 2016   |         |        |        |         |        |        |         |        |         | 2017   |        |        |         |         | 2018    |         |         |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |
| 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      |
| Month                        | 3      | 4       | 5      | 6      | 7       | 8      | 9      | 10      | 11     | 12      | 1      | 2      | 3      | 6       | 9       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 6       | 8       | 12      | 2       | 5       | 8       | 11      | 3       |         |
| Sample Date                  | 3/30   | 4/27    | 5/26   | 6/23   | 7/19    | 8/24   | 9/21   | 10/24   | 11/30  | 12/14   | 1/18   | 2/27   | 3/22   | 6/28    | 9/28    | 11/29   | 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     |         |
| Lab Analysis (Y/N)           | Y      | N       | N      | Y      | N       | N      | Y      | N       | Y      | N       | N      | N      | 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    | 1.5     | 7.9    | 7.1    | 5.8     | 7.1    | 7.4    | 6.8     | 7.5    | 9.3     | 7.5    | 7.7    | 7.5    | 8.2     | 7.0     | 7.1     | 7.5     | 7.2     | 7.2     | 10      | 7.2     | 10.0    | 8.3     | 11.0    | 6.5     | 8.0     | 10.0    | 8.0     | 8.0     | 8.0     | 8.0     | 8.0     | 8.0     | 8.0     |
| Total Purged                 | gal    | 306     | 522    | 870    | 297     | 280    | 284    | 288     | 300    | 280     | 295    | 298    | 297    | 291     | 286     | 259     | 287     | 268     | 280     | 267     | 305     | 300     | 321     | 327     | 293     | 314     | 300     | 291     | 280     | 302     | 324     | 300     | 400     | 300     |
| Depth to Water               | ft bgs | 4.40    | 5.07   | 4.60   | 4.95    | 5.55   | 6.30   | 6.03    | 5.73   | 5.69    | 5.08   | 4.30   | 3.80   | 3.82    | 4.50    | 5.51    | 5.50    | 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    |
| Temperature                  | deg C  | 8.8     | 13.1   | 11.9   | 14.2    | 14.1   | 12.7   | 12.5    | 12.6   | 10.6    | 11.3   | 10.9   | 10.4   | 11.2    | 11.9    | 11.8    | 11.6    | 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    |
| pH                           | SU     | 7.77    | 7.57   | 7.46   | 7.6     | 7.69   | 7.59   | 7.67    | 7.77   | 7.72    | 7.68   | 7.6    | 7.67   | 7.67    | 7.59    | 7.6     | 7.58    | 7.56    | 7.49    | 7.35    | 7.34    | 7.44    | 7.39    | 7.37    | 7.32    | 7.37    | 7.38    | 7.57    | 7.6     | 7.54    | 7.56    | 7.59    | 7.57    | 7.46    |
| Specific Conductance         | µS/cm  | 1224    | 1199   | 1284   | 1246    | 1226   | 1143   | 1176    | 1223   | 1280    | 1305   | 1392   | 1415   | 1351    | 1159    | 1162    | 1241    | 1278    | 1218    | 1289    | 1204    | 1235    | 1308    | 1253    | 1232    | 1277    | 1268    | 1067    | 1190    | 1142    | 1235    | 1212    | 1301    | 1235    |
| Oxygen Reduction Potential   | mV     | -123.1  | -162.2 | -142.5 | -185.4  | -156.6 | -196.8 | -140.6  | -148.9 | -152.9  | -141.0 | -143.6 | -125.6 | -132.2  | -201    | -176.9  | -213.20 | -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  |
| Lab Analytical Results:      |        |         |        |        |         |        |        |         |        |         |        |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3            | mg/L   | 230     |        |        | 306     |        |        | 216     |        | 271     |        |        |        | 391     | 277     | 215     | 280     | 274     | 275     | 369     | 287     | 252     | 350     | 303     | 263     | 290     | 319     | 255     | 247     | 298     | 313     | 236     | 286     | 271     |
| pH (Lab)                     | SU     | 7.73    |        |        | 7.57    |        |        | 7.58    |        | 7.59    |        |        |        | 7.46    | 7.74    | 7.66    | 7.56    | 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    |
| Total Dissolved Solids (Lab) | mg/L   | 760     |        |        | 745     |        |        | 735     |        | 725     |        |        |        | 775     | 725     | 705     | 790     | 745     | 770     | 835     | 730     | 735     | 860     | 780     | 705     | 700     | 775     | 710     | 690     | 755     | 785     | 750     | 745     | 725     |
| Calcium                      | mg/L   | 44.0    |        |        | 59.7    |        |        | 42.4    |        | 51.7    |        |        |        | 75.7    | 54.0    | 41.6    | 55.6    | 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    |
| Magnesium                    | mg/L   | 29.1    |        |        | 38.2    |        |        | 26.7    |        | 34.5    |        |        |        | 49.1    | 34.6    | 27.1    | 34.4    | 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    |
| Sodium                       | mg/L   | 199     |        |        | 196     |        |        | 210     |        | 189     |        |        |        | 167     | 189     | 203     | 195     | 183     | 191     | 154     | 212     | 196     | 172     | 167     | 198     | 183     | 178     | 193     | 196     | 204     | 172     | 177     | 182     | 185     |
| Potassium                    | mg/L   | 3.00    |        |        | 3.15    |        |        | 3.01    |        | 3.01    |        |        |        | 3.30    | 3.00    | 3.09    | 2.99    | 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    |
| Alkalinity, Total            | mg/L   | 610     |        |        | 660     |        |        | 620     |        | 615     |        |        |        | 640     | 585     | 670     | 625     | 620     | 595     | 630     | 640     | 610     | 615     | 615     | 590     | 600     | 576     | 520     | 605     | 570     | 620     | 600     | 770     | 640     |
| Alkalinity, Bicarbonate      | mg/L   | 570     |        |        | 660     |        |        | 620     |        | 615     |        |        |        | 640     | 585     | 670     | 625     | 620     | 595     | 630     | 640     | 610     | 615     | 615     | 590     | 600     | 576     | 520     | 587     | 570     | 620     | 600     | 770     | 640     |
| Alkalinity, Carbonate        | mg/L   | 40.0    |        |        | <10.0   |        |        | <10.0   |        | <10.0   |        |        |        | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | 18      | <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   |         |
| Chloride                     | mg/L   | 4.33    |        |        | 6.12    |        |        | 4.30    |        | 4.44    |        |        |        | 4.53    | 4.32    | 6.21    | 4.39    | 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    |
| Fluoride                     | mg/L   | 0.347   |        |        | <0.5    |        |        | 0.353   |        | 0.337   |        |        |        | 0.337   | 0.362   | <0.500  | 0.358   | 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   | 0.35    | 0.284   | 0.349   |
| Sulfate as SO4               | mg/L   | 90.1    |        |        | 108     |        |        | 83.8    |        | 117     |        |        |        | 156     | 97.4    | 74.0    | 101     | 106     | 97.2    | 147     | 89.9    | 91.4    | 131     | 112     | 92.1    | 104     | 110     | 79.6    | 87.9    | 102     | 110     | 98.5    | 122     | 96.4    |
| Total Organic Carbon (TOC)   | mg/L   | 2.54    |        |        | 3.3     |        |        | 2.80    |        | 3.18    |        |        |        | 3.84    | 5.82    | 2.84    | 3.33    | 3.37    | 3.5     | 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    |
| Nitrate/Nitrite as N         | mg/L   | <0.020  |        |        | <0.020  |        |        | <0.020  |        | <0.200  |        |        |        | <0.020  | <0.400  | <0.400  | <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      | 0.931   | 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      | 0.0590  | 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  | <0.100  | <0.250  | <0.050  | <0.150  | <0.050  | <0.250  | <0.050  | <0.250  | <0.250  | <0.050  |         |
| Arsenic                      | mg/L   | <0.0005 |        |        | <0.0005 |        |        | <0.0005 |        | <0.0005 |        |        |        | 0.0009  | <0.0005 | <0.0005 | <0.0005 | 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 | <0.0005 |         |
| 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 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0005 | <0.0005 | <0.0005 | <0.0025 | <0.0005 |
| Copper                       | mg/L   | 0.0035  |        |        | 0.003   |        |        | 0.0021  |        | 0.0041  |        |        |        | 0.0020  | 0.0020  | 0.0030  | 0.0027  | 0.0035  | 0.003   | 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  |
| Iron                         | mg/L   | 1.20    |        |        | 1.51    |        |        | 0.946   |        | 1.64    |        |        |        | 2.01    | 1.34    | 0.101   | 1.44    | 1.44    | 1.39    | 1.98    | 1.52    | 1.26    | 1.74    | 1.58    | 1.41    | 1.49    | 1.53    | 1.24    | 1.7     | 1.66    | 1.69    | 1.19    | 1.43    | 1.25    |
| Lead                         | mg/L   | <0.0005 |        |        | <0.0005 |        |        | <0.0005 |        | <0.0005 |        |        |        | <0.0005 | <0.0005 | <0.0005 | <0.000  |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |

GCC Energy Hydrologic Monitoring Data

| Well #2 Downgradient         |        |         |       |       |         |        |       |         |       |         |       |       |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------|--------|---------|-------|-------|---------|--------|-------|---------|-------|---------|-------|-------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                         |        | 2016    |       |       |         |        |       |         |       |         |       | 2017  |       |         |         |         |         | 2018    |         |         |         |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |
| Quarter                      |        | Q1      | Q2    |       |         | Q3     |       |         | Q4    |         |       | Q1    |       | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      |         |
| Month                        |        | 3       | 4     | 5     | 6       | 7      | 8     | 9       | 10    | 11      | 12    | 1     | 2     | 3       | 6       | 9       | 11      | 2       | 5       | 8       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 6       | 8       | 12      | 2       | 5       | 8       | 11      | 2       |
| Sample Date                  |        | 3/30    | 4/21  | 5/25  | 6/23    | 7/19   | 8/24  | 9/20    | 10/19 | 11/30   | 12/14 | 1/26  | 2/27  | 3/22    | 6/13    | 9/21    | 11/28   | 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    |
| Lab Analysis (Y/N)           |        | Y       | N     | N     | Y       | N      | N     | Y       | N     | Y       | N     | N     | N     | 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    | 0.50    | 0.50  | 0.50  | 0.50    | 0.50   | 0.50  | 0.50    | NM    | 7.20    | 2.00  | NM    | NM    | NM      | NM      | NM      | NM      | 0.1     | 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    |
| Total Purged                 | gal    | 7       | 6     | 7     | 7       | 6      | 6     | 6       | 6     | 6       | 6     | 8     | 8     | 6       | 8       | 8       | 6       | 6       | 11      | 2       | 6.5     | 7.5     | 13      | 10      | 9       | 8       | 12      | 8       | 7       | 7       | 12      | 9       | 7       | 12      | 6       |
| Depth to Water               | ft bgs | 3.69    | 3.17  | 4.25  | 1.42    | 4.17   | 4.17  | 5.50    | 6.4   | 4.7     | 5     | 3.95  | 2.74  | 6.35    | 0.95    | 4.85    | 5.68    | 6.68    | 7.4     | 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    |
| Temperature                  | deg C  | 6.3     | 10.1  | 13.5  | 18.4    | 19.8   | 14.0  | 14.1    | 13.3  | 10.4    | 12.4  | 7.0   | 4.4   | 8.4     | 17.1    | 12.1    | 11.7    | 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    |
| pH                           | SU     | 7.58    | 7.6   | 7.6   | 7.64    | 7.68   | 7.73  | 7.53    | 7.66  | 7.66    | 7.71  | 7.57  | 7.68  | 7.78    | 7.56    | 7.66    | 7.52    | 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    |
| Specific Conductance         | µS/cm  | 899     | 867   | 804   | 600     | 369    | 815   | 877     | 881   | 904     | 872   | 908   | 1193  | 921     | 633     | 852     | 879     | 887     | 847     | 828     | 895     | 955     | 960     | 1091    | 1051    | 1083    | 1083    | 1134    | 1017    | 1099    | 964     | 939     | 1038    | 1073    | 1050    |
| Oxygen Reduction Potential   | mV     | -9.4    | -13.7 | -35.7 | -66.9   | -112.1 | -76.3 | -88.3   | -82   | -72.7   | -81.1 | -66.8 | -55.7 | -67     | -54.3   | -53.7   | -63.70  | -44.9   | -34     | -75.6   | -127    | -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   |
| Lab Analytical Results:      |        |         |       |       |         |        |       |         |       |         |       |       |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3            | mg/L   | 444     |       |       | 314     |        |       | 452     |       | 432     |       |       |       | 485     | 352     | 378     | 449     | 412     | 415     | 422     | 415     | 465     | 488     | 537     | 513     | 603     | 540     | 575     | 560     | 569     | 624     | 529     | 503     | 521     | 500     |
| pH (Lab)                     | SU     | 7.63    |       |       | 7.66    |        |       | 7.48    |       | 7.55    |       |       |       | 7.72    | 7.6     | 7.51    | 7.51    | 7.62    | 7.6     | 7.61    | 7.45    | 7.50    | 7.5     | 7.4     | 7.04    | 7.12    | 7.20    | 7.09    | 7.3     | 7.2     | 7.17    | 7.15    | 7.32    | 7.24    | 7.57    |
| Total Dissolved Solids (Lab) | mg/L   | 685     |       |       | 470     |        |       | 525     |       | 495     |       |       |       | 635     | 415     | 525     | 540     | 515     | 545     | 545     | 575     | 550     | 575     | 695     | 655     | 690     | 695     | 730     | 665     | 685     | 660     | 655     | 685     | 655     | 605     |
| Calcium                      | mg/L   | 72.2    |       |       | 54.9    |        |       | 75.9    |       | 72.7    |       |       |       | 81.0    | 60.9    | 64.8    | 78.0    | 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      | 97.9    | 81.2    | 76.8    | 80.1    | 76.0    |
| Magnesium                    | mg/L   | 63.9    |       |       | 43.1    |        |       | 63.8    |       | 60.8    |       |       |       | 68.7    | 48.5    | 52.6    | 61.8    | 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    |
| Sodium                       | mg/L   | 22.2    |       |       | 16.5    |        |       | 19.8    |       | 20.7    |       |       |       | 21.8    | 16.1    | 17.0    | 20.1    | 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    |
| Potassium                    | mg/L   | 2.04    |       |       | 2.1     |        |       | 2.16    |       | 2.05    |       |       |       | 1.94    | 2.22    | 1.64    | 2.19    | 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    |
| Alkalinity, Total            | mg/L   | 342     |       |       | 280     |        |       | 380     |       | 380     |       |       |       | 375     | 285     | 395     | 375     | 333     | 350     | 380     | 328     | 340     | 395     | 460     | 365     | 348     | 324     | 324     | 345     | 341     | 385     | 375     | 380     | 540     | 372     |
| Alkalinity, Bicarbonate      | mg/L   | 338     |       |       | 280     |        |       | 380     |       | 380     |       |       |       | 375     | 285     | 395     | 375     | 333     | 350     | 380     | 328     | 340     | 395     | 460     | 365     | 348     | 324     | 324     | 345     | 333     | 385     | 375     | 380     | 540     | 372     |
| 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   |         |
| 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   |         |
| Chloride                     | mg/L   | 35.8    |       |       | 6.8     |        |       | 27.4    |       | 26.2    |       |       |       | 23.3    | 7.11    | 19.0    | 23.4    | 24.7    | 27.2    | 34.5    | 34.1    | 39.3    | 40.1    | 42.9    | 45.2    | 47.2    | 48.9    | 50.3    | 44.8    | 44.6    | 46      | 45.9    | 37      | 44.3    | 41.1    |
| Fluoride                     | mg/L   | 0.230   |       |       | 0.298   |        |       | 0.272   |       | 0.256   |       |       |       | 0.228   | 0.313   | 0.263   | 0.246   | 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   |
| Sulfate as SO4               | mg/L   | 129     |       |       | 70      |        |       | 114     |       | 117     |       |       |       | 153     | 75.2    | 98.4    | 94.7    | 104     | 102     | 112     | 111     | 137     | 138     | 196     | 189     | 182     | 199     | 230     | 204     | 219     | 190     | 199     | 186     | 176     | 187     |
| Total Organic Carbon (TOC)   | mg/L   | 3.34    |       |       | 14      |        |       | 2.64    |       | 3.4     |       |       |       | 3.52    | 3.56    | 2.61    | 2.25    | 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    |
| Nitrate/Nitrite as N         | mg/L   | 0.042   |       |       | <0.02   |        |       | <0.02   |       | 0.089   |       |       |       | <0.020  | <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  | <0.020  | <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      | <0.100  | 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      | <0.0500 | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |
| Aluminum                     | mg/L   | 0.156   |       |       | <0.05   |        |       | <0.05   |       | <0.050  |       |       |       | <0.050  | <0.05   | <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  | <0.250  | <0.050  | <0.250  | <0.05   | <0.050  |         |
| Arsenic                      | mg/L   | 0.0008  |       |       | 0.0015  |        |       | 0.0010  |       | 0.0013  |       |       |       | 0.0009  | 0.0017  | 0.0006  | 0.0011  | 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  |
| 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 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | <0.0002 | <0.0001 | <0.0005 | <0.0005 | <0.0005 | <0.0025 | <0.0005 |
| Copper                       | mg/L   | 0.0004  |       |       | 0.0005  |        |       | 0.0003  |       | 0.0051  |       |       |       | 0.0007  | 0.0002  | 0.0004  | 0.0001  | 0.0056  | 0.0002  | 0.0006  | 0.0004  | 0.0003  | 0.001   | 0.0016  | 0.0003  | 0.0002  | <0.0005 | <0.0005 | <0.0010 | <0.0005 | <0.0025 | 0.0006  | 0.0005  | <0.0025 | <0.0005 |
| Iron                         | mg/L   | 0.081   |       |       | 0.085   |        |       | 0.118   |       | <0.050  |       |       |       | 0.213   | <0.050  | <0.050  | 0.074   | 0.060   | 0.073   | 0.089   | 0.163   | 0.082   | 0.062   | 0.116   | 0.105   | 0.119   | 0.094   | 0.107   |         |         |         |         |         |         |         |

GCC Energy Hydrologic Monitoring Data

| Wiltse Well                  |        |         |      |      |         |      |      |         |       |         |      |      |      |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------|--------|---------|------|------|---------|------|------|---------|-------|---------|------|------|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                         | 2016   |         |      |      |         |      |      |         |       |         | 2017 |      |      |         |         | 2018    |         |         |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |
| 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      |         |         |
| Month                        | 3      | 4       | 5    | 6    | 7       | 8    | 9    | 10      | 11    | 12      | 1    | 2    | 3    | 6       | 9       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 12      | 2       | 5       | 8       | 11      | 3       |         |
| Sample Date                  | 3/31   | 4/27    | 5/25 | 6/23 | 7/19    | 8/24 | 9/20 | 10/24   | 11/29 | 12/13   | 1/18 | 2/27 | 3/21 | 6/13    | 9/28    | 11/28   | 2/22    | 5/16    | 8/9     | 11/8    | 2/28    | 5/23    | 8/19    | 11/11   | 2/17    | 5/13    | 8/12    | 12/15   | 2/24    | 5/21    | 8/11    | 11/3    | 3/1     |         |
| Lab Analysis (Y/N)           | Y      | N       | N    | Y    | N       | N    | Y    | N       | Y     | N       | N    | N    | 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    | 150.0   | 38.5 | 23.4 | 18.6    | 19.9 | 17.3 | 15.8    | 17.0  | 10.6    | 18.1 | 39.5 | 39.6 | 39.6    | NM      | 18.3    | 23.5    | 11.9    | 12.0    | 18.5    | 12.3    | 28.0    | 38.0    | 18.0    | 17.0    | 35.0    | 24.4    | 16.0    | 18.0    | 15.0    | 12.5    | 8.5     | 24.0    | 18.0    |
| Total Purged                 | gal    | 5850    | 4228 | 4229 | 3686    | 2844 | 2979 | 2637    | 2724  | 2992    | 2916 | 3595 | 3580 | 3560    | 2980    | 2712    | 2423    | 2700    | 2890    | 2783    | 2747    | 3017    | 3200    | 3010    | 3058    | 3825    | 3495    | 3200    | 3030    | 2920    | 3000    | 1800    | 2800    | 2900    |
| Depth to Water               | ft bgs | 0.35    | 0.00 | 0.85 | 2.15    | 2.99 | 2.60 | 3.32    | 6.85  | 1.90    | 1.95 | 0.30 | 0.00 | 0.00    | 2.05    | 3.40    | 3.40    | 3.35    | 3.93    | 4.13    | 3.78    | 2.40    | 0.05    | 2.47    | 2.68    | 0.43    | 1.60    | 3.18    | 5.65    | 3.64    | 3.70    | 4.55    | 4.10    | 4.70    |
| Temperature                  | deg C  | 6.7     | 8.8  | 10.4 | 10.7    | 11.5 | 12.1 | 11.5    | 11.0  | 9.1     | 8.8  | 7.6  | 7.2  | 7.5     | 10.3    | 11.3    | 9.7     | 8.0     | 10.2    | 11.7    | 10.4    | 8.0     | 9.3     | 10.7    | 9.9     | 6.7     | 9.8     | 11.7    | 8.7     | 8.9     | 9.9     | 11.3    | 10.8    | 9.5     |
| pH                           | SU     | 7.22    | 7.32 | 7.34 | 7.26    | 7.26 | 7.24 | 7.22    | 7.22  | 7.32    | 7.29 | 7.2  | 7.17 | 7.12    | 7.41    | 7.27    | 7.3     | 7.26    | 7.13    | 7.04    | 7.07    | 7.17    | 7.08    | 7.09    | 7.09    | 7.01    | 7.12    | 7.22    | 7.26    | 7.25    | 7.23    | 7.33    | 7.23    | 7.17    |
| Specific Conductance         | µS/cm  | 2043    | 1633 | 1805 | 1768    | 1478 | 1602 | 1941    | 1937  | 2014    | 2036 | 2262 | 2276 | 2085    | 1869    | 2074    | 2190    | 2232    | 2144    | 2072    | 2167    | 2170    | 2151    | 1964    | 1970    | 2171    | 2017    | 1450    | 1984    | 1739    | 1789    | 2012    | 2038    | 1965    |
| Oxygen Reduction Potential   | mV     | 105.6   | 17.9 | 20.1 | 38.5    | 26.9 | 20.0 | 28.6    | 21.6  | 13.7    | 20.9 | 3.2  | 18.3 | 6.0     | 13.3    | 19.5    | 19.2    | 14.3    | 29.9    | -52.7   | -18.8   | 22.7    | -10.6   | -23.7   | 51.9    | 49.33   | 71.9    | 72.2    | 73.7    | 6.9     | 31.2    | 41.5    | 50.5    | -26.1   |
| Lab Analytical Results:      |        |         |      |      |         |      |      |         |       |         |      |      |      |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3            | mg/L   | 990     |      |      | 1050    |      |      | 1030    |       | 963     |      |      |      | 1040    | 1060    | 1140    | 1150    | 1090    | 1160    | 1130    | 1180    | 1150    | 1080    | 1080    | 1060    | 982     | 1060    | 1070    | 1130    | 1090    | 1070    | 1080    | 1080    | 1070    |
| pH (Lab)                     | SU     | 7.22    |      |      | 7.34    |      |      | 7.29    |       | 7.36    |      |      |      | 7.22    | 7.46    | 7.30    | 7.33    | 7.70    | 8.35    | 7.22    | 7.42    | 7.38    | 7.35    | 7.11    | 7.09    | 7.12    | 7.09    | 7.29    | 6.86    | 7.27    | 6.98    | 7.25    | 7.52    | 7.25    |
| Total Dissolved Solids (Lab) | mg/L   | 1580    |      |      | 1480    |      |      | 1520    |       | 1520    |      |      |      | 1480    | 1510    | 1680    | 1740    | 1740    | 1740    | 1750    | 1720    | 1710    | 1670    | 1520    | 1480    | 1600    | 1560    | 1580    | 1540    | 1550    | 1500    | 1580    | 1640    | 1520    |
| Calcium                      | mg/L   | 197     |      |      | 208     |      |      | 206     |       | 186     |      |      |      | 205     | 211     | 219     | 226     | 211     | 216     | 221     | 230     | 226     | 214     | 214     | 208     | 191     | 206     | 206     | 215     | 208     | 199     | 206     | 209     | 208     |
| Magnesium                    | mg/L   | 121     |      |      | 128     |      |      | 126     |       | 121     |      |      |      | 128     | 129     | 143     | 142     | 136     | 150     | 139     | 147     | 143     | 132     | 132     | 132     | 123     | 132     | 136     | 144     | 138     | 140     | 136     | 136     | 133     |
| Sodium                       | mg/L   | 95.9    |      |      | 75.2    |      |      | 80.7    |       | 82.4    |      |      |      | 110     | 87.5    | 80.7    | 83.4    | 80.4    | 82.3    | 79.1    | 81.2    | 83.2    | 89.4    | 72.4    | 67.3    | 68.1    | 69.1    | 64      | 67.5    | 65.1    | 61.1    | 61.6    | 63.6    | 61.0    |
| Potassium                    | mg/L   | 4.64    |      |      | 4.56    |      |      | 4.90    |       | 4.42    |      |      |      | 4.61    | 4.79    | 4.62    | <5.00   | 4.73    | 4.98    | 5.01    | 5.00    | 5.01    | 4.77    | 4.92    | 4.85    | 4.33    | <5.00   | 4.48    | 4.54    | <5.00   | 4.35    | <5.00   | 4.41    | 4.42    |
| Alkalinity, Total            | mg/L   | 460     |      |      | 500     |      |      | 470     |       | 450     |      |      |      | 410     | 445     | 510     | 475     | 445     | 435     | 463     | 505     | 515     | 469     | 474     | 460     | 460     | 431     | 475     | 470     | 480     | 480     | 480     | 520     | 505     |
| Alkalinity, Bicarbonate      | mg/L   | 440     |      |      | 500     |      |      | 470     |       | 450     |      |      |      | 410     | 445     | 510     | 475     | 445     | 435     | 463     | 505     | 515     | 469     | 474     | 460     | 460     | 431     | 475     | 470     | 480     | 480     | 480     | 520     | 505     |
| Alkalinity, Carbonate        | mg/L   | 20.0    |      |      | <10.0   |      |      | <10.0   |       | <10.0   |      |      |      | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <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   |         |
| Chloride                     | mg/L   | 81.0    |      |      | 76.3    |      |      | 62.3    |       | 70.1    |      |      |      | 72.5    | 72.5    | 68.7    | 68.9    | 66.7    | 60      | 57.2    | 57.5    | 67.2    | 67.8    | 49.9    | 48.2    | 57.7    | 51.8    | 58.1    | 57.9    | 54.8    | 52.3    | 49      | 52.4    | 49.8    |
| Fluoride                     | mg/L   | 0.285   |      |      | <0.5    |      |      | <0.5    |       | 0.3     |      |      |      | <0.500  | 0.332   | <0.500  | <0.500  | <0.500  | <0.500  | <0.500  | 0.298   | 0.324   | 0.306   | <0.500  | <0.500  | <0.500  | <0.500  | 0.304   | 0.292   | 0.276   | 0.28    | <0.500  | 0.280   | 0.286   |
| Sulfate as SO4               | mg/L   | 671     |      |      | 595     |      |      | 656     |       | 676     |      |      |      | 731     | 702     | 779     | 772     | 832     | 714     | 733     | 741     | 801     | 709     | 627     | 627     | 711     | 633     | 704     | 728     | 683     | 661     | 679     | 697     | 688     |
| Total Organic Carbon (TOC)   | mg/L   | 3.54    |      |      | 4.1     |      |      | 3.15    |       | 3.02    |      |      |      | 3.40    | 3.54    | 3.34    | 3.26    | 3.37    | 3.5     | 3.51    | 3.63    | 3.82    | 4.87    | 4.27    | 3.30    | 4.22    | 3.80    | 3.69    | 3.43    | 3.29    | 3.33    | 3.48    | 3.37    | 3.21    |
| Nitrate/Nitrite as N         | mg/L   | 0.456   |      |      | 0.891   |      |      | 1.08    |       | 0.965   |      |      |      | 0.492   | 1.07    | 1.80    | 1.94    | 2.26    | 2.48    | 2.26    | 1.99    | 1.95    | 0.651   | 0.896   | 1.31    | 1.05    | 0.865   | 1.25    | 1.48    | 1.82    | 1.49    | 2.06    | 1.87    | 1.69    |
| Ammonia as N ^               | mg/L   | NA      |      |      | NA      |      |      | NA      |       | NA      |      |      |      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | <0.100  | 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      | <0.0500 | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |
| Aluminum                     | mg/L   | <0.05   |      |      | <0.05   |      |      | <0.05   |       | <0.050  |      |      |      | <0.050  | <0.1    | <0.050  | <0.250  | <0.100  | <0.050  | <0.050  | <0.100  | <0.100  | <0.100  | <0.100  | <0.100  | <0.100  | <0.100  | <0.100  | <0.050  | <0.250  | <0.050  | <0.250  | <0.100  | <0.050  |
| Arsenic                      | mg/L   | <0.0025 |      |      | <0.0025 |      |      | 0.0005  |       | 0.0008  |      |      |      | 0.0009  | 0.0006  | 0.0005  | 0.0029  | 0.0009  | 0.0006  | <0.0025 | <0.001  | <0.0010 | 0.0006  | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0005 | <0.0025 | <0.0010 | <0.0025 | <0.0010 | <0.0005 |
| Cadmium                      | mg/L   | <0.0005 |      |      | <0.0005 |      |      | <0.0005 |       | <0.0001 |      |      |      | <0.0001 | <0.0001 | <0.0001 | <0.0005 | <0.0001 | <0.0001 | <0.0001 | <0.0002 | <0.0002 | <0.0001 | <0.0002 | <0.0002 | <0.0002 | <0.0005 | <0.0002 | <0.0001 | <0.0005 | <0.0025 | <0.0025 | <0.001  | <0.0005 |
| Copper                       | mg/L   | 0.0018  |      |      | 0.0024  |      |      | 0.0020  |       | 0.0038  |      |      |      | 0.0023  | 0.0019  | 0.0025  | 0.0097  | 0.0020  | 0.0019  | 0.0018  | 0.0030  | 0.002   | 0.0021  | 0.0021  | 0.0012  | 0.0020  | <0.0025 | 0.0013  | 0.0006  | 0.0028  | <0.0025 | <0.0025 | 0.0033  | 0.0031  |
| Iron                         | mg/L   | 0.100   |      |      | <0.05   |      |      | 0.060   |       | 0.136   |      |      |      | 0.286   | 0.161   | <0.050  | <0.250  | 0.132   | 0.151   | 0.125   | 0.121   | 0.151   | 0.379   | 0.287   | 0.209   | 0.285   | <0.250  | <0.100  | 0.216   | <0.250  | 0.304   | <0.250  | 0.154   | 0.129   |
| Lead                         | mg/L   | <0.0025 |      |      | <0.0025 |      |      | <0.0025 |       | <0.0005 |      |      |      | <0.0005 | <0.0005 | <0.0005 | <0.0025 | <0.0005 | <0.0005 | <0.0005 | <0.001  | <0.00   |         |         |         |         |         |         |         |         |         |         |         |         |

GCC Energy Hydrologic Monitoring Data

| MW-HGA-4                     |        |         |       |        |         |       |       |         |        |        |         |       |         |       |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------|--------|---------|-------|--------|---------|-------|-------|---------|--------|--------|---------|-------|---------|-------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                         | 2016   | 2017    |       |        |         |       |       |         |        |        |         |       |         | 2018  |       |         |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |
| Quarter                      | Q4     | Q1      |       |        | Q2      |       |       | Q3      |        |        | Q4      |       |         | Q1    |       | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      |         |
| Month                        | 12     | 1       | 2     | 3      | 4       | 5     | 6     | 7       | 8      | 9      | 10      | 11    | 12      | 1     | 2     | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 12      | 2       | 5       | 8       | 11      | 2       |         |
| Sample Date                  | 12/12  | 1/26    | 2/28  | 3/22   | 4/27    | 5/31  | 6/13  | 7/27    | 8/16   | 9/21   | 10/27   | 11/28 | 12/12   | 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    |         |
| Lab Analysis (Y/N)           | Y      | N       | N     | Y      | N       | N     | Y     | N       | N      | Y      | N       | Y     | N       | N     | Y     | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       |         |
| Field Parameters:            |        |         |       |        |         |       |       |         |        |        |         |       |         |       |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Purge Flow Rate              | gpm    | 0.5     | NM    | NM     | NM      | NM    | NM    | NM      | NM     | NM     | NM      | NM    | NM      | 9.40  | NM    | 0.1     | 1.5     | 2.00    | 1.00    | 1.12    | 1.00    | 1.00    | 0.25    | 1.00    | 0.25    | 0.25    | 0.13    | 0.25    | 0.13    | 0.25    | 0.25    |         |
| Total Purged                 | gal    | 21      | 21    | 21     | 21      | 21    | 21    | 19.5    | 20     | 20     | 21      | 21    | 24      | 19    | 21    | 21      | 19      | 21      | 24      | 22      | 21      | 21      | 22      | 21      | 20      | 21      | 21      | 21      | 20      | 22      | 21      |         |
| Depth to Water               | ft bgs | 0.73    | 0.57  | 0.60   | 0.83    | 0.94  | 2.06  | 2.53    | 3.25   | 2.65   | 3.31    | 3.31  | 1.76    | 4.31  | 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    |
| Temperature                  | deg C  | 7.3     | 4.8   | 6.4    | 8.1     | 7.2   | 9.9   | 8.4     | 8.6    | 8.8    | 9.0     | 9.2   | 9.0     | 9.3   | 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     |
| pH                           | SU     | 7.29    | 7.36  | 7.40   | 7.41    | 7.33  | 7.36  | 7.40    | 7.36   | 7.35   | 7.33    | 7.31  | 7.27    | 7.27  | 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    |
| Specific Conductance         | µS/cm  | 1284    | 1257  | 1201   | 1155    | 1153  | 1113  | 1055    | 1099   | 1050   | 1124    | 1072  | 1171    | 1160  | 1141  | 1154    | 1098    | 1057    | 1167    | 1183    | 1102    | 1083    | 1127    | 1122    | 1093    | 1022    | 1158    | 975     | 1093    | 1108    | 1160    | 1197    |
| Oxygen Reduction Potential   | mV     | -72.1   | -86.6 | -105.1 | -104.4  | -74.5 | -91.3 | -134.7  | -137.6 | -131.0 | -139.5  | -77.3 | -157.9  | -70.1 | -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  |
| Lab Analytical Results:      |        |         |       |        |         |       |       |         |        |        |         |       |         |       |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3            | mg/L   | 724     |       |        | 611     |       |       | 616     |        |        | 522     |       | 595     |       |       | 561     | 555     | 524     | 625     | 613     | 563     | 544     | 624     | 563     | 528     | 571     | 612     | 630     | 582     | 515     | 627     | 598     |
| pH (Lab)                     | SU     | 7.30    |       |        | 7.17    |       |       | 7.31    |        |        | 7.25    |       | 7.21    |       |       | 7.58    | 8.15    | 7.33    | 7.12    | 7.2     | 8.17    | 6.95    | 6.88    | 6.78    | 6.89    | 7.07    | 6.95    | 7.38    | 6.89    | 7.05    | 7.03    | 7.22    |
| Total Dissolved Solids (Lab) | mg/L   | 855     |       |        | 710     |       |       | 715     |        |        | 750     |       | 775     |       |       | 740     | 730     | 695     | 770     | 795     | 695     | 695     | 715     | 705     | 685     | 700     | 665     | 685     | 680     | 735     | 790     | 790     |
| Calcium                      | mg/L   | 147     |       |        | 118     |       |       | 121     |        |        | 102     |       | 118     |       |       | 110     | 108     | 102     | 124     | 122     | 110     | 106     | 123     | 112     | 101     | 111     | 122     | 126     | 114     | 98.7    | 125     | 119     |
| Magnesium                    | mg/L   | 86.7    |       |        | 76.7    |       |       | 76.6    |        |        | 64.9    |       | 72.8    |       |       | 69.3    | 69      | 65.4    | 76.5    | 74.7    | 70.3    | 67.9    | 76.8    | 68.9    | 67.0    | 71.7    | 74.9    | 76.8    | 72      | 65.2    | 76.6    | 72.9    |
| Sodium                       | mg/L   | 19.5    |       |        | 27.4    |       |       | 28.6    |        |        | 24.9    |       | 27.2    |       |       | 26.5    | 30.4    | 29.9    | 27.6    | 27      | 28.6    | 28.3    | 31.9    | 27.9    | 30.3    | 30.5    | 26.8    | 28.4    | 27.4    | 26.4    | 23.1    | 23.9    |
| Potassium                    | mg/L   | 2.02    |       |        | 2.13    |       |       | 2.11    |        |        | 1.75    |       | 2.21    |       |       | 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    |
| Alkalinity, Total            | mg/L   | 545     |       |        | 465     |       |       | 415     |        |        | 465     |       | 475     |       |       | 460     | 425     | 410     | 460     | 455     | 445     | 455     | 432     | 435     | 416     | 485     | 457     | 475     | 465     | 470     | 580     | 470     |
| Alkalinity, Bicarbonate      | mg/L   | 545     |       |        | 465     |       |       | 415     |        |        | 465     |       | 475     |       |       | 460     | 425     | 410     | 460     | 455     | 445     | 455     | 432     | 435     | 416     | 485     | 457     | 475     | 465     | 470     | 580     | 470     |
| Alkalinity, Carbonate        | mg/L   | ND      |       |        | <10.0   |       |       | <10.0   |        |        | <10.0   |       | <10.0   |       |       | <10.0   | <10.0   | <10.0   | <10.0   | <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   | ND      |       |        | <10.0   |       |       | <10.0   |        |        | <10.0   |       | <10.0   |       |       | <10.0   | <10.0   | <10.0   | <10.0   | <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   | 10.9    |       |        | 8.75    |       |       | 7.95    |        |        | 8.96    |       | 8.74    |       |       | 8.43    | 7.57    | 6.47    | 9.40    | 10.5    | 8.06    | 8.44    | 9.46    | 8.39    | 7.64    | 8.78    | 10.1    | 9.65    | 9.41    | 11.1    | 13.9    | 12.0    |
| Fluoride                     | mg/L   | 0.577   |       |        | 0.485   |       |       | 0.506   |        |        | 0.517   |       | 0.495   |       |       | 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   |
| Sulfate as SO4               | mg/L   | 240     |       |        | 229     |       |       | 192     |        |        | 205     |       | 204     |       |       | 222     | 190     | 169     | 201     | 221     | 186     | 212     | 190     | 193     | 181     | 179     | 187     | 191     | 184     | 194     | 199     | 216     |
| Total Organic Carbon (TOC)   | mg/L   | NA      |       |        | 4.54    |       |       | 4.35    |        |        | 4.69    |       | 4.79    |       |       | 4.56    | 4.57    | 4.30    | 4.72    | 4.82    | 4.45    | 4.58    | 4.35    | 4.8     | 4.30    | 4.56    | 4.67    | 4.31    | 4.36    | 4.55    | 4.84    | 5.47    |
| Nitrate/Nitrite as N         | mg/L   | <0.020  |       |        | <0.020  |       |       | <0.020  |        |        | <0.020  |       | <0.100  |       |       | <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  |         |
| Ammonia as N ^               | mg/L   | NA      |       |        | NA      |       |       | NA      |        |        | NA      |       | NA      |       |       | NA      | NA      | NA      | NA      | NA      | NA      | NA      | 0.528   | 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      | <0.0500 | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |
| Aluminum                     | mg/L   | 0.423   |       |        | <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  | <0.100  | <0.100  | <0.050  | <0.050  | <0.050  | <0.250  | <0.250  | <0.050  |
| Arsenic                      | mg/L   | 0.0030  |       |        | 0.0029  |       |       | 0.0028  |        |        | <0.0005 |       | 0.0035  |       |       | 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  |
| 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 | <0.0001 | <0.0002 | <0.0002 | <0.0001 | <0.0001 | <0.0005 | <0.0005 | <0.0005 |         |
| Copper                       | mg/L   | 0.0006  |       |        | 0.0008  |       |       | 0.0002  |        |        | 0.0004  |       | 0.0002  |       |       | 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 |
| Iron                         | mg/L   | 3.71    |       |        | 7.29    |       |       | 7.32    |        |        | 0.378   |       | 7.84    |       |       | 7.60    | 7.92    | 8.55    | 8.44    | 8.35    | 7.98    | 8.38    | 9.76    | 8.59    | 8.22    | 8.95    | 9.31    | 9.6     | 9.29    | 8.52    | 8.44    | 8.25    |
| Lead                         | mg/L   | <0.0005 |       |        | <0.0005 |       |       | <0.0005 |        |        | <0.0005 |       | <0.0005 |       |       | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0010 | <0.0010 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 |         |
| Manganese                    | mg/L   | 4.07    |       |        | 2.78    |       |       | 2.37    |        |        | 2.03    |       | 2.11    |       |       | 1.99    | 1.81    | 1.58    | 2.13    | 2.56    | 2.12    | 1.84    | 1.78    | 1.77    | 1.49    | 1.66    | 2.36    | 2.54    | 2.51    | 1.79    | 2.86    | 3.03    |
| Mercury                      | mg/L   | ND      |       |        | <0.0002 |       |       | <0.0002 |        |        | <0.0002 |       | <0.0002 |       |       | <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 |         |
| Molybdenum                   | mg/L   |         |       |        |         |       |       |         |        |        |         |       |         |       |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |

GCC Energy Hydrologic Monitoring Data

| MW-1-A                       |        |         |      |        |        |         |        |         |        |        |         |        |        |         |      |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------|--------|---------|------|--------|--------|---------|--------|---------|--------|--------|---------|--------|--------|---------|------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                         | 2017   |         |      |        |        |         |        |         | 2018   |        |         |        |        |         |      |        | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |
| Quarter                      | Q2     | Q3      |      |        |        | Q4      |        |         |        | Q1     |         |        | Q2     |         | Q3   |        |         | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      |
| Month                        | 6      | 7       | 8    | 9      | 9      | 10      | 11     | 12      | 1      | 2      | 3       | 4      | 5      | 6       | 7    | 8      | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 9       | 11      | 2       | 5       | 8       | 11      | 3       |         |
| Sample Date                  | 6/7    | 7/18    | 8/23 | 9/7    | 9/26   | 10/26   | 11/16  | 12/5    | 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    |         |
| Lab Analysis (Y/N)           | Y      | N       | N    | 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       |         |
| Field Parameters:            |        |         |      |        |        |         |        |         |        |        |         |        |        |         |      |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Purge Flow Rate              | gpm    | NM      | NM*  | NM*    | NM     | NM      | NM     | NM      | NM     | 0.1    | NM      | 0.1    | 0.1    | ***     | 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    |         |
| Total Purged                 | gal    | 12.8    | NM*  | NM*    | NM     | NM      | 2.0    | 2.0     | 1.0    | 1.5    | 2       | 1.5    | 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     |         |
| Depth to Water               | ft bgs | 215.42  | NM*  | 215.92 | 215.54 | 216.33  | 216.31 | 216.47  | 216.58 | 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  |
| Temperature                  | deg C  | 17.7    | NM*  | NM*    | 10.7   | 9.7     | 9.1    | 9.1     | 8.7    | 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     |
| pH                           | SU     | 7.78    | NM*  | NM*    | 7.35   | 7.38    | 7.29   | 7.28    | 7.25   | 7.19   | 7.37    | 7.28   | 6.8    | 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    |
| Specific Conductance         | µS/cm  | 1362    | NM*  | NM*    | 1555   | 1563    | 1616   | 1650    | 1693   | 1700   | 1723    | 1735   | 1647   | 1761    |      | 1734   | 1815    | 1781    | 1776    | 1681    | 1757    | 1737    | 1797    | 1855    | 1664    | 1670    | 1550    | 1647    | 1691    | 1792    | 1707    |
| Oxygen Reduction Potential   | mV     | -34.6   | NM*  | NM*    | -54.7  | -46.5   | -50.0  | -48.3   | -49.6  | -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  |
| Lab Analytical Results:      |        |         |      |        |        |         |        |         |        |        |         |        |        |         |      |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3            | mg/L   | 124     |      |        |        | 133     |        | 130     |        |        | 159     |        |        | 156     |      |        | 160     | 174     | 159     | 153     | 148     | 150     | 159     | 165     | 161     | 168     | 168     | 150     | 158     | 157     | 152     |
| pH (Lab)                     | SU     | 7.74    |      |        |        | 7.35    |        | 7.33    |        |        | 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    | 7.1     | 7.05    | 7.30    |
| Total Dissolved Solids (Lab) | mg/L   | 975     |      |        |        | 1080    |        | 1120    |        |        | 1100    |        |        | 1150    |      |        | 1040    | 1130    | 1160    | 1150    | 1150    | 1140    | 1190    | 1150    | 1150    | 1170    | 1250    | 1150    | 1190    | 1150    | 1140    |
| Calcium                      | mg/L   | 24.7    |      |        |        | 25.8    |        | 24.9    |        |        | 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    |
| Magnesium                    | mg/L   | 15.1    |      |        |        | 16.7    |        | 16.6    |        |        | 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    |
| Sodium                       | mg/L   | 324     |      |        |        | 329     |        | 325     |        |        | 348     |        |        | 327     |      |        | 333     | 358     | 357     | 319     | 348     | 333     | 337     | 349     | 348     | 353     | 357     | 314     | 333     | 340     | 321     |
| Potassium                    | mg/L   | 1.98    |      |        |        | 2.02    |        | <5.00   |        |        | <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    |
| Alkalinity, Total            | mg/L   | 375     |      |        |        | 450     |        | 380     |        |        | 415     |        |        | 353     |      |        | 385     | 395     | 375     | 355     | 368     | 420     | 360     | 340     | 325     | 366     | 400     | 400     | 370     | 440     | 405     |
| Alkalinity, Bicarbonate      | mg/L   | 375     |      |        |        | 450     |        | 380     |        |        | 415     |        |        | 353     |      |        | 385     | 395     | 375     | 355     | 368     | 420     | 360     | 340     | 325     | 366     | 400     | 400     | 370     | 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   |
| 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   | 2.75    |      |        |        | 2.16    |        | <5.00   |        |        | 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    |
| Fluoride                     | mg/L   | 0.268   |      |        |        | 0.245   |        | <0.500  |        |        | 0.240   |        |        | <0.5    |      |        | 0.260   | 0.240   | 0.266   | 0.242   | 0.252   | 0.246   | 0.234   | 0.228   | 0.24    | 0.264   | 0.212   | 0.223   | 0.24    | <0.5    | <0.200  |
| Sulfate as SO4               | mg/L   | 427     |      |        |        | 432     |        | 511     |        |        | 518     |        |        | 522     |      |        | 515     | 511     | 508     | 494     | 537     | 495     | 506     | 532     | 510     | 508     | 553     | 531     | 507     | 458     | 503     |
| Total Organic Carbon (TOC)   | mg/L   | 5.03    |      |        |        | 1.36    |        | 1.58    |        |        | 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    |
| Nitrate/Nitrite as N         | mg/L   | <0.200  |      |        |        | <0.400  |        | <0.100  |        |        | <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  |
| Ammonia as N ^               | mg/L   | NA      |      |        |        | NA      |        | NA      |        |        | NA      |        |        | NA      |      |        | NA      | NA      | NA      | NA      | NA      | 0.387   | 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      | <0.0500 | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |
| Aluminum                     | mg/L   | <0.050  |      |        |        | <0.050  |        | <0.250  |        |        | <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  |
| Arsenic                      | mg/L   | <0.0005 |      |        |        | <0.0005 |        | <0.0025 |        |        | <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 |
| Cadmium                      | mg/L   | <0.0001 |      |        |        | <0.0001 |        | <0.0005 |        |        | <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 |
| Copper                       | mg/L   | 0.0043  |      |        |        | 0.0057  |        | 0.0045  |        |        | 0.0066  |        |        | 0.0041  |      |        | 0.0048  | 0.0048  | 0.0075  | 0.0064  | 0.0040  | 0.0147  | 0.0034  | 0.0012  | 0.004   | 0.0024  | 0.0026  | 0.0059  | 0.0068  | 0.0086  | 0.0145  |
| Iron                         | mg/L   | 0.128   |      |        |        | 0.367   |        | <0.250  |        |        | 0.590   |        |        | 0.614   |      |        | 0.644   | 0.647   | 0.581   | 0.589   | 0.613   | 0.510   | 0.614   | 0.559   | 0.637   | 0.579   | 0.572   | 0.61    | 0.592   | 0.647   | 0.533   |
| Lead                         | mg/L   | <0.0005 |      |        |        | <0.0005 |        | <0.0025 |        |        | <0.0025 |        |        | <0.0005 |      |        | <0.0005 | <0.0005 | <0.0010 | <0.0005 | <0.0005 | <0.0005 | <0.0010 | <0.0010 | <0.0025 | <0.0015 | <0.0015 | <0.0015 | <0.0025 | <0.0010 | <0.0005 |
| Manganese                    | mg/L   | 0.0260  |      |        |        | 0.0218  |        | 0.0259  |        |        | 0.0279  |        |        | 0.026   |      |        | 0.0242  | 0.0282  | 0.0281  | 0.0235  | 0.0270  | 0.0248  | 0.0303  | 0.0329  | 0.032   | 0.0313  | 0.0367  | 0.0316  | 0.0328  | 0.0287  | 0.0289  |
| Mercury                      | 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 | <0.0002 |
| Molybdenum                   | mg/L   | 0.0007  |      |        |        | 0.0010  |        | <0.0025 |        |        | <0.0025 |        |        | 0.0009  |      |        | 0.0008  | 0.0007  | <0.0010 | <0.0005 | <0.0005 | <0.0005 | <0.0010 | <0.0010 | <0.0025 | <0.0015 | <0.0015 | <0.0015 | <0.0025 | <0.0010 | <0.0005 |
| Selenium                     | mg/L   | <0.0010 |      |        |        | <0.0010 |        | <0.005  |        |        |         |        |        |         |      |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |

Notes & Definitions:

GCC Energy Hydrologic Monitoring Data

| MW-1-MI                      |        |         |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
|------------------------------|--------|---------|------|--------|--------|-------|-------|------|-----|-----|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|-------|------|--|
| Year                         |        | 2017    |      |        |        |       |       | 2018 |     |     |      |      |      |     |      | 2019 |      |      |      | 2020 |      |      |      | 2021 |       |      |      | 2022 |       |      |  |
| Quarter                      |        | Q2      | Q3   |        |        | Q4    |       |      | Q1  |     |      | Q2   |      | Q3  |      |      | Q4   | Q1   | Q2   | Q3   | Q4   | Q1   | Q2   | Q3   | Q4    | Q1   | Q2   | Q3   | Q4    | Q1   |  |
| Month                        |        | 6       | 7    | 8      | 9      | 10    | 11    | 12   | 1   | 2   | 3    | 4    | 5    | 6   | 7    | 8    | 11   | 2    | 5    | 8    | 11   | 2    | 5    | 9    | 11    | 2    | 5    | 8    | 11    | 3    |  |
| Sample Date                  |        | 6/7     | 7/18 | 8/23   | 9/26   | 10/26 | 11/16 | 12/5 | 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 |  |
| Lab Analysis (Y/N)           |        | Y       | N    | N      | N      | N     | N     | N    | N   | N   | N    | N    | N    | N   | N    | Y    | N    | N    | N    | N    | N    | N    | N    | N    | N     | N    | N    | N    | N     | N    |  |
| Field Parameters:            |        |         |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Purge Flow Rate              | gpm    | NM      | NM*  | NM     | NM     | 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    | 19.5    | NM*  | <0.5   | NM     |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Depth to Water               | ft bgs | 259.99  | NM*  | 258.29 | 258.34 |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Temperature                  | deg C  | 15.8    | NM*  | 11.8   | 21.7   |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| pH                           | SU     | 8       | NM*  | 7.94   | 7.86   |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Specific Conductance         | µS/cm  | 2032    | NM*  | 2137   | 2119   |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Oxygen Reduction Potential   | mV     | 160.5   | NM*  | 65.7   | 61.4   |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Lab Analytical Results:      |        |         |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Hardness as CaCO3            | mg/L   | 231     |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| pH (Lab)                     | SU     | 8.14    |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Total Dissolved Solids (Lab) | mg/L   | 1520    |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Calcium                      | mg/L   | 46.7    |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Magnesium                    | mg/L   | 27.9    |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Sodium                       | mg/L   | 470     |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Potassium                    | mg/L   | 2.55    |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Alkalinity, Total            | mg/L   | 600     |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Alkalinity, Bicarbonate      | mg/L   | 600     |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Alkalinity, Carbonate        | mg/L   | <10.0   |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Alkalinity, Hydroxide        | mg/L   | <10.0   |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Chloride                     | mg/L   | 7.69    |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Fluoride                     | mg/L   | 1.14    |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Sulfate as SO4               | mg/L   | 739     |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Total Organic Carbon (TOC)   | mg/L   | 5.14    |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Nitrate/Nitrite as N         | mg/L   | 0.103   |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Aluminum                     | mg/L   | <0.050  |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Arsenic                      | mg/L   | 0.0029  |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Cadmium                      | mg/L   | <0.0001 |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Copper                       | mg/L   | 0.0067  |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Iron                         | mg/L   | <0.050  |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Lead                         | mg/L   | 0.0010  |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Manganese                    | mg/L   | 0.0445  |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Mercury                      | mg/L   | <0.0002 |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Molybdenum                   | mg/L   | 0.0796  |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Selenium                     | mg/L   | 0.0028  |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Silica (SiO2)                | mg/L   | 11.6    |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Silicon                      | mg/L   | 5.44    |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Uranium                      | mg/L   | 0.0505  |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |
| Zinc                         | mg/L   | 1.52    |      |        |        |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |      |  |

Notes & Definitions:

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

Y/Nyes or no

gpmgallons per minute

deg Cdegrees Celsius

SUstandard pH units

µS/cm microsiemens per centimeter

mVmillivolts

mg/Lmilligram per liter

pCi/Lpicocuries per liter

NMnot measured (field)

NAnot analyzed (lab)
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 CaCO3.

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-1-C                       |        |         |      |        |        |         |        |         |        |        |         |        |        |         |      |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------|--------|---------|------|--------|--------|---------|--------|---------|--------|--------|---------|--------|--------|---------|------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                         | 2017   |         |      |        |        |         |        |         | 2018   |        |         |        |        |         |      |        | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |         |
| Quarter                      | Q2     | Q3      |      |        |        | Q4      |        |         |        | Q1     |         |        | Q2     |         | Q3   |        |         | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      |
| Month                        | 6      | 7       | 8    | 9      | 9      | 10      | 11     | 12      | 1      | 2      | 3       | 4      | 5      | 6       | 7    | 8      | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 9       | 11      | 2       | 5       | 8       | 11      | 3       |         |
| Sample Date                  | 6/7    | 7/18    | 8/23 | 9/7    | 9/26   | 10/26   | 11/16  | 12/5    | 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    |         |
| Lab Analysis (Y/N)           | Y      | N       | N    | 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       |         |
| Field Parameters:            |        |         |      |        |        |         |        |         |        |        |         |        |        |         |      |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Purge Flow Rate              | gpm    | NM      | NM*  | NM*    | NM     | NM      | NM     | NM      | MM     | 0.1    | NM      | 0.1    | 0.1    | ***     | 0.05 | 0.1    | 0.10    | 0.06    | 0.02    | 0.03    | 0.01    | 0.01    | 0.10    | 0.05    | 0.05    | 0.05    | 0.05    | 0.01    | 0.13    | 0.13    |         |
| Total Purged                 | gal    | 5       | NM*  | NM*    | NM     | NM      | 1.00   | 1.00    | 1      | 1      | 1       | 1      | 1.25   |         | 1    | 1      | 1.10    | 1.00    | 1.10    | 1.00    | 1.00    | 1.00    | 0.75    | 0.80    | 1.00    | 1.00    | 2.00    | 1.00    | 1.25    | 1.00    |         |
| Depth to Water               | ft bgs | 216.5   | NM*  | 216.91 | 216.95 | 216.59  | 216.52 | 216.48  | 216.52 | 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  |         |
| Temperature                  | deg C  | 16.0    | NM*  | NM*    | NM     | 12.9    | 11.7   | 10.6    | 7.0    | 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     |
| pH                           | SU     | 7.52    | NM*  | NM*    | NM     | 7.17    | 7.16   | 7.15    | 7.17   | 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    |
| Specific Conductance         | µS/cm  | 2446    | NM*  | NM*    | NM     | 2725    | 2738   | 2739    | 2778   | 2778   | 2738    | 2751   | 2700   | 2749    |      | 2693   | 2675    | 2751    | 2621    | 3139    | 3172    | 3080    | 3005    | 3002    | 2653    | 2709    | 2410    | 2249    | 2290    | 2554    | 2223    |
| Oxygen Reduction Potential   | mV     | 74.3    | NM*  | NM*    | NM     | 77.4    | 31.7   | 23.9    | 13.0   | 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   |
| Lab Analytical Results:      |        |         |      |        |        |         |        |         |        |        |         |        |        |         |      |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3            | mg/L   | 498     |      |        |        | 1290    |        | 1180    |        |        | 1190    |        |        | 1130    |      |        | 1120    | 1180    | 1010    | 1820    | 1840    | 1700    | 1600    | 1590    | 1400    | 1420    | 1320    | 953     | 975     | 920     | 750     |
| pH (Lab)                     | SU     | 8.35    |      |        |        | 7.36    |        | 7.34    |        |        | 7.22    |        |        | 7.2     |      |        | 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    |
| Total Dissolved Solids (Lab) | mg/L   | 2020    |      |        |        | 2440    |        | 2360    |        |        | 2360    |        |        | 2340    |      |        | 2170    | 2200    | 1960    | 2880    | 2890    | 2750    | 2610    | 2460    | 2420    | 2450    | 2330    | 1910    | 1850    | 1840    | 1680    |
| Calcium                      | mg/L   | 96.0    |      |        |        | 234     |        | 216     |        |        | 219     |        |        | 203     |      |        | 203     | 219     | 188     | 340     | 342     | 318     | 301     | 294     | 248     | 265     | 241     | 175     | 178     | 168     | 142     |
| Magnesium                    | mg/L   | 62.8    |      |        |        | 172     |        | 155     |        |        | 156     |        |        | 150     |      |        | 148     | 154     | 131     | 237     | 240     | 219     | 207     | 207     | 189     | 183     | 173     | 126     | 129     | 122     | 95.7    |
| Sodium                       | mg/L   | 506     |      |        |        | 242     |        | 253     |        |        | 260     |        |        | 239     |      |        | 239     | 255     | 265     | 146     | 119     | 119     | 143     | 155     | 168     | 194     | 206     | 196     | 214     | 234     | 229     |
| Potassium                    | mg/L   | 11.4    |      |        |        | 3.81    |        | <5.00   |        |        | <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    |
| Alkalinity, Total            | mg/L   | 530     |      |        |        | 700     |        | 540     |        |        | 570     |        |        | 580     |      |        | 560     | 410     | 525     | 530     | 518     | 505     | 515     | 490     | 445     | 520     | 580     | 480     | 485     | 640     | 510     |
| Alkalinity, Bicarbonate      | mg/L   | 530     |      |        |        | 700     |        | 540     |        |        | 570     |        |        | 580     |      |        | 560     | 410     | 525     | 530     | 518     | 505     | 515     | 490     | 445     | 520     | 580     | 480     | 485     | 640     | 510     |
| 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   | 24.2    |      |        |        | 6.97    |        | 8.03    |        |        | 7.78    |        |        | 7.75    |      |        | 5.97    | 6.22    | 6.36    | 10.2    | 9.31    | 8.78    | 8.54    | 8.20    | 8.15    | 7.14    | 7.13    | 5.3     | 5.04    | 7.12    | 4.87    |
| Fluoride                     | mg/L   | 1.59    |      |        |        | 0.864   |        | 0.955   |        |        | 1.03    |        |        | 0.96    |      |        | 0.888   | 0.924   | 0.975   | 0.67    | 0.525   | 0.565   | 0.615   | 0.695   | 0.705   | 0.750   | 0.804   | 0.654   | 0.716   | 0.755   | 0.712   |
| Sulfate as SO4               | mg/L   | 1090    |      |        |        | 1350    |        | 1230    |        |        | 1160    |        |        | 1210    |      |        | 1090    | 1080    | 1070    | 1630    | 1730    | 1520    | 1400    | 1370    | 1280    | 1180    | 1150    | 940     | 872     | 886     | 805     |
| Total Organic Carbon (TOC)   | mg/L   | 4.56    |      |        |        | 2.84    |        | 2.12    |        |        | 2.21    |        |        | 2.2     |      |        | 2.35    | 2.37    | 2.32    | 2.62    | 2.52    | 2.30    | 2.30    | 2.32    | 2.2     | 2.13    | 2.26    | 1.92    | 1.93    | 1.91    | 1.79    |
| Nitrate/Nitrite as N         | mg/L   | <2.00   |      |        |        | <0.400  |        | <0.100  |        |        | <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  |
| Ammonia as N ^               | mg/L   | NA      |      |        |        | NA      |        | NA      |        |        | NA      |        |        | NA      |      |        | NA      | NA      | NA      | NA      | NA      | 0.140   | 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      | <0.100  | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |
| Aluminum                     | mg/L   | <0.050  |      |        |        | <0.050  |        | <0.250  |        |        | <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  |
| Arsenic                      | mg/L   | 0.0029  |      |        |        | 0.0016  |        | <0.0025 |        |        | <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  |
| Cadmium                      | mg/L   | <0.0001 |      |        |        | <0.0001 |        | <0.0005 |        |        | <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 |
| Copper                       | mg/L   | 0.0088  |      |        |        | 0.0085  |        | 0.0036  |        |        | 0.0052  |        |        | 0.003   |      |        | 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  |
| Iron                         | mg/L   | <0.050  |      |        |        | <0.050  |        | <0.250  |        |        | <0.250  |        |        | 0.643   |      |        | 1.01    | 1.12    | 0.988   | 2.3     | 0.819   | 0.543   | 0.570   | 0.606   | 0.619   | 0.855   | 0.769   | 0.552   | 0.573   | 0.724   | 0.630   |
| Lead                         | mg/L   | <0.0005 |      |        |        | <0.0005 |        | <0.0025 |        |        | <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 |
| Manganese                    | mg/L   | 0.0744  |      |        |        | 0.0853  |        | 0.0959  |        |        | 0.0989  |        |        | 0.153   |      |        | 0.140   | 0.106   | 0.0807  | 0.075   | 0.0562  | 0.0512  | 0.0537  | 0.0473  | 0.0445  | 0.0496  | 0.0482  | 0.0419  | 0.0383  | 0.0346  | 0.0362  |
| Mercury                      | 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 | <0.0002 |
| Molybdenum                   | mg/L   | 0.0164  |      |        |        | 0.0049  |        | <0.0025 |        |        | <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 | <0.001  | <0.0005 |         |
| Selenium                     | mg/L   | 0.0136  |      |        |        | 0.0012  |        | <0.0050 |        |        | <0.0050 |        |        | <0.001  |      |        | <0.0050 | 0.0011  | <0.0020 | 0.0016  |         |         |         |         |         |         |         |         |         |         |         |

Notes & Definitions:

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

GCC Energy Hydrologic Monitoring Data

| MW-2-A                       |        |      |     |      |      |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |
|------------------------------|--------|------|-----|------|------|-------|-------|------|-----|-----|------|------|------|-----|------|------|------|------|------|------|------|-----|-------|------|------|------|-------|------|
| Year                         |        | 2017 |     |      |      |       |       | 2018 |     |     |      |      |      |     |      | 2019 |      |      |      | 2020 |      |     |       | 2021 |      |      |       | 2022 |
| Quarter                      |        | Q1   | Q2  | Q3   |      | Q4    |       | Q1   |     |     | Q2   |      | Q3   | Q4  | Q1   | Q2   | Q3   | Q4   | Q1   | Q2   | Q3   | Q4  | Q1    | Q2   | Q3   | Q4   | Q1    |      |
| Month                        |        | 3    | 6   | 7    | 8    | 10    | 11    | 12   | 1   | 2   | 3    | 4    | 5    | 8   | 11   | 2    | 5    | 8    | 11   | 2    | 5    | 9   | 11    | 2    | 5    | 8    | 11    | 3    |
| Sample Date                  |        | 3/30 | 6/7 | 7/18 | 8/23 | 10/30 | 11/16 | 12/5 | 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 |
| 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     |      |
| 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   |      |
| 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                      | mg/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                   | <div><div>1. "&lt;" 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.</div><div>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.</div><div>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.</div></div> |
| gpm                  | gallons per minute          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| deg C                | degrees Celsius             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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)          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

GCC Energy Hydrologic Monitoring Data

| MW-2-MI                      |        |      |     |      |      |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |
|------------------------------|--------|------|-----|------|------|-------|-------|------|-----|-----|------|------|------|-----|------|------|------|------|------|------|------|-----|-------|------|------|------|-------|------|
| Year                         |        | 2017 |     |      |      |       |       | 2018 |     |     |      |      |      |     | 2019 |      |      |      | 2020 |      |      |     | 2021  |      |      |      | 2022  |      |
| Quarter                      |        | Q1   | Q2  | Q3   |      | Q4    |       | Q1   |     |     | Q2   |      | Q3   | Q4  | Q1   | Q2   | Q3   | Q4   | Q1   | Q2   | Q3   | Q4  | Q1    | Q2   | Q3   | Q4   | Q1    |      |
| Month                        |        | 3    | 6   | 7    | 8    | 10    | 11    | 12   | 1   | 2   | 3    | 4    | 5    | 8   | 11   | 2    | 5    | 8    | 11   | 2    | 5    | 9   | 11    | 2    | 5    | 8    | 11    | 3    |
| Sample Date                  |        | 3/30 | 6/7 | 7/18 | 8/23 | 10/30 | 11/16 | 12/5 | 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 |
| 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    |
| 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   |      |
| 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                      | mg/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                   | <div><div>1. "<math>&lt;</math>" 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.</div><div>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 <math>\text{CaCO}_3</math>.</div><div>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.</div></div> |
| 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)          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

GCC Energy Hydrologic Monitoring Data

| MW-2-C                       |        |      |     |      |      |       |       |      |     |     |      |      |      |     |      |      |      |      |      |      |      |     |       |      |      |      |       |      |
|------------------------------|--------|------|-----|------|------|-------|-------|------|-----|-----|------|------|------|-----|------|------|------|------|------|------|------|-----|-------|------|------|------|-------|------|
| Year                         |        | 2017 |     |      |      |       |       | 2018 |     |     |      |      |      |     |      | 2019 |      |      |      | 2020 |      |     |       | 2021 |      |      |       | 2022 |
| Quarter                      |        | Q1   | Q2  | Q3   |      | Q4    |       | Q1   |     |     | Q2   |      | Q3   | Q4  | Q1   | Q2   | Q3   | Q4   | Q1   | Q2   | Q3   | Q4  | Q1    | Q2   | Q3   | Q4   | Q1    |      |
| Month                        |        | 3    | 6   | 7    | 8    | 10    | 11    | 12   | 1   | 2   | 3    | 4    | 5    | 8   | 11   | 2    | 5    | 8    | 11   | 2    | 5    | 9   | 11    | 2    | 5    | 8    | 11    | 3    |
| Sample Date                  |        | 3/30 | 6/7 | 7/18 | 8/23 | 10/30 | 11/16 | 12/5 | 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 |
| 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    |
| 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   |      |
| 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                      | mg/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)          |                                                                                                                                                                                                                                                                                                                                      |

GCC Energy Hydrologic Monitoring Data

| MW-3-A                       |        |         |         |        |        |         |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------|--------|---------|---------|--------|--------|---------|--------|---------|--------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                         |        | 2017    |         |        |        |         |        |         | 2018   |        |         |        |        |         |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |
| Quarter                      |        | Q1      | Q2      | Q3     |        |         | Q4     |         |        | Q1     |         |        | Q2     |         | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      |
| Month                        |        | 3       | 6       | 7      | 8      | 9       | 10     | 11      | 12     | 1      | 2       | 3      | 4      | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 12      | 2       | 5       | 8       | 11      | 2       |
| Sample Date                  |        | 3/27    | 6/30    | 7/18   | 8/24   | 9/28    | 10/27  | 11/17   | 12/7   | 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    |
| Lab Analysis (Y/N)           |        | Y       | Y       | N      | N      | Y       | N      | Y       | N      | N      | Y       | N      | N      | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | N       | Y       |
| Field Parameters:            |        |         |         |        |        |         |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Purge Flow Rate              | gpm    | 0.50    | NM      | NM     | NM     | NM      | NM     | NM      | NM     | 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    |
| Total Purged                 | gal    | 30.0    | 2.0     | NM     | NM     | NM      | 1.0    | 1.0     | 1.0    | 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     |
| Depth to Water               | ft bgs | 297.35  | 298.24  | 297.45 | 298.24 | 298.11  | 298.12 | 298.01  | 298.05 | 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  |
| Temperature                  | deg C  | 11.7    | 13.2    | 19.5   | 12.6   | 12.3    | 12.5   | 11.7    | 12.0   | 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    |
| pH                           | SU     | 8.82    | 8.75    | 8.56   | 8.67   | 8.72    | 8.64   | 8.61    | 8.57   | 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    |
| Specific Conductance         | µS/cm  | 2535    | 2446    | 2115   | 2524   | 2470    | 2430   | 2483    | 2494   | 2528   | 2506    | 2458   | 2415   | 2253    | 2336    | 2391    | 2355    | 2309    | NM      | 2204    | 2211    | 2249    | 2112    | 2192    | 1930    | 1525    | 2091    | 2127    | 2121    |
| Oxygen Reduction Potential   | mV     | -269.0  | -101.5  | -55.3  | -87.4  | -142.3  | -124.5 | -125.6  | -146.8 | -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  |
| Lab Analytical Results:      |        |         |         |        |        |         |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3            | mg/L   | 7.53    | 12.6    |        |        | 12.6    |        | 10.4    |        |        | 11.5    |        |        | 11.2    | 12.6    | 14.1    | 11.9    | 10.7    | 10.4    | 11.1    | 10.8    | 10.3    | 11.1    | 9.41    | 10.5    | 8.14    | 8.89    | 8.68    | 8.56    |
| pH (Lab)                     | SU     | 8.63    | 8.69    |        |        | 8.53    |        | 8.29    |        |        | 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    |
| Total Dissolved Solids (Lab) | mg/L   | 1630    | 1670    |        |        | 1630    |        | 1690    |        |        | 1680    |        |        | 1670    | 1600    | 1540    | 1500    | 1530    | 1520    | 1510    | 1500    | 1460    | 1380    | 1460    | 1410    | 1350    | 1420    | 1360    | 1220    |
| Calcium                      | mg/L   | 2.00    | 3.67    |        |        | 3.63    |        | 3.27    |        |        | 3.33    |        |        | 3.2     | 3.71    | 4.15    | 3.55    | 3.16    | 3.08    | 3.34    | 3.14    | 3.07    | 3.02    | 2.83    | 3.07    | 2.48    | 2.59    | 2.53    | 2.42    |
| Magnesium                    | mg/L   | 0.616   | 0.823   |        |        | 0.859   |        | 0.550   |        |        | 0.776   |        |        | 0.774   | 0.811   | 0.913   | 0.739   | 0.692   | 0.655   | 0.680   | 0.723   | 0.645   | 0.866   | 0.568   | 0.698   | 0.475   | 0.586   | 0.577   | 0.610   |
| Sodium                       | mg/L   | 566     | 585     |        |        | 589     |        | 551     |        |        | 562     |        |        | 542     | 562     | 605     | 543     | 525     | 553     | 528     | 520     | 507     | 510     | 505     | 536     | 471     | 462     | 448     | 462     |
| Potassium                    | mg/L   | 1.72    | 2.02    |        |        | 2.04    |        | <5.00   |        |        | <2.00   |        |        | 1.8     | <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    |
| Alkalinity, Total            | mg/L   | 530     | 470     |        |        | 500     |        | 490     |        |        | 430     |        |        | 480     | 480     | 475     | 540     | 450     | 459     | 420     | 460     | 430     | 440     | 470     | 520     | 530     | 465     | 485     | 495     |
| Alkalinity, Bicarbonate      | mg/L   | 380     | 470     |        |        | 440     |        | 460     |        |        | 360     |        |        | 480     | 420     | 385     | 330     | 430     | 423     | 420     | 460     | 400     | 440     | 450     | 520     | 530     | 465     | 435     | 455     |
| Alkalinity, Carbonate        | mg/L   | 150     | <10.0   |        |        | 60.0    |        | 30.0    |        |        | 70.0    |        |        | <10.0   | 60.0    | 90.0    | 210     | 20      | 36.0    | <10.0   | <10.0   | 30.0    | <10.0   | 20      | <10.0   | <10.0   | <10.0   | 40.0    |         |
| 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   | 16.1    | 17.4    |        |        | 18.5    |        | 16.9    |        |        | 16.4    |        |        | 16.1    | 15.1    | 16.0    | 15.2    | 15      | 15.0    | 14.7    | 13.9    | 13.9    | 13.5    | 14      | 13.5    | 14      | 14.1    | 14.6    | 14.2    |
| Fluoride                     | mg/L   | 0.464   | 0.488   |        |        | 0.535   |        | <0.500  |        |        | <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   |
| Sulfate as SO4               | mg/L   | 729     | 802     |        |        | 840     |        | 730     |        |        | 812     |        |        | 756     | 706     | 682     | 716     | 699     | 724     | 633     | 637     | 656     | 624     | 644     | 600     | 601     | 599     | 515     | 584     |
| Total Organic Carbon (TOC)   | mg/L   | 3.52    | 10.0    |        |        | 7.26    |        | 6.07    |        |        | 5.32    |        |        | 4.7     | 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    |
| Nitrate/Nitrite as N         | mg/L   | <0.100  | <0.100  |        |        | <0.020  |        | <0.020  |        |        | <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   |
| Ammonia as N ^               | mg/L   | NA      | NA      |        |        | NA      |        | NA      |        |        | NA      |        |        | NA      | NA      | NA      | NA      | NA      | NA      | NA      | 0.354   | 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      | 0.0730  | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |
| Aluminum                     | mg/L   | <0.050  | <0.050  |        |        | <0.050  |        | <0.250  |        |        | <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  |
| Arsenic                      | mg/L   | 0.0025  | <0.0025 |        |        | <0.0025 |        | <0.0025 |        |        | <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  | 0.001   | 0.0018  | 0.0009  |
| Cadmium                      | mg/L   | <0.0001 | <0.0005 |        |        | <0.0005 |        | <0.0005 |        |        | <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 | <0.0005 | <0.0010 | <0.0010 | <0.0005 |
| Copper                       | mg/L   | 0.0061  | 0.0081  |        |        | 0.0080  |        | 0.0079  |        |        | 0.0236  |        |        | 0.0063  | 0.0117  | 0.0086  | 0.0137  | 0.0078  | 0.0067  | 0.0039  | 0.0037  | 0.0021  | 0.0051  | 0.0055  | 0.0037  | 0.0157  | 0.0156  | 0.0113  | 0.0088  |
| Iron                         | mg/L   | <0.050  | <0.050  |        |        | <0.050  |        | <0.250  |        |        | <0.100  |        |        | <0.05   | <0.05   | <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  |
| Lead                         | mg/L   | <0.0005 | <0.0025 |        |        | <0.0025 |        | <0.0025 |        |        | <0.0025 |        |        | <0.0005 | <0.0005 | <0.0010 | <0.0010 | <0.0025 | <0.0010 | <0.0010 | <0.0010 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.001  | <0.0010 | <0.0010 | <0.0005 |
| Manganese                    | mg/L   | 0.0042  | 0.0251  |        |        | 0.0194  |        | 0.0269  |        |        | 0.0232  |        |        | 0.018   | 0.0222  | 0.0187  | 0.0172  | 0.0185  | 0.0166  | 0.0140  | 0.0162  | 0.0136  | 0.0120  | 0.0125  | 0.0128  | 0.0121  | 0.0096  | 0.0101  | 0.0113  |
| Mercury                      | mg/L   | <0.0002 | <0.0002 |        |        | <0.0002 |        | <0.0002 |        |        | <0.0002 |        |        | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0050 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| Molybdenum                   | mg/L   | 0.0005  | 0.0274  |        |        | 0.0091  |        | 0.0078  |        |        | 0.0065  |        |        | 0.0046  | 0.0043  | 0.0033  | 0.003   | 0.003   | 0.0018  | 0.0027  | 0.0022  | 0.0015  | <0.0025 | <0.0025 | <0.0025 | 0.0015  | 0.0013  | <0.001  | 0.0012  |
| Selenium                     | mg/L   | 0.0577  | <0.0050 |        |        | <0.0050 |        | <0.0050 |        |        | <0.0050 |        |        | 0.0109  | <0.0050 | 0.0028  | 0.0039  |         |         |         |         |         |         |         |         |         |         |         |         |

Notes & Definitions:

- ^

one-time analysis

Y/N

yes or no

gpm

gallons per minute

deg C

degrees Celsius

SU

GCC Energy Hydrologic Monitoring Data

| MW-3-MI                      |        |         |         |        |        |         |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------|--------|---------|---------|--------|--------|---------|--------|---------|--------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                         |        | 2017    |         |        |        |         |        |         | 2018   |        |         |        |        |         |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |
| Quarter                      |        | Q1      | Q2      | Q3     |        |         | Q4     |         |        | Q1     |         |        | Q2     |         | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      |
| Month                        |        | 3       | 6       | 7      | 8      | 9       | 10     | 11      | 12     | 1      | 2       | 3      | 4      | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 12      | 2       | 5       | 8       | 11      | 2       |
| Sample Date                  |        | 3/27    | 6/30    | 7/18   | 8/16   | 9/28    | 10/27  | 11/17   | 12/7   | 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    |
| Lab Analysis (Y/N)           |        | Y       | Y       | N      | N      | Y       | N      | Y       | N      | N      | Y       | N      | N      | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       |
| Field Parameters:            |        |         |         |        |        |         |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Purge Flow Rate              | gpm    | 0.50    | NM      | NM     | NM     | NM      | NM     | NM      | NM     | 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    |
| Total Purged                 | gal    | 19.0    | 2.0     | NM     | NM     | NM      | 1.0    | 1.0     | 1.0    | 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     |
| Depth to Water               | ft bgs | 304.49  | 241.15  | 240.46 | 240.53 | 240.46  | 240.44 | 240.44  | 240.58 | 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  |
| Temperature                  | deg C  | 10.0    | 12.6    | 22.0   | 12.9   | 11.0    | 12.1   | 11.7    | 11.7   | 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    |
| pH                           | SU     | 9.34    | 8.94    | 8.46   | 8.90   | 8.74    | 8.90   | 8.86    | 8.86   | 8.84   | 8.83    | 8.84   | 8.51   | 8.48    | 8.49    | 8.46    | 8.51    | 8.55    | 8.71    | 8.75    | 8.71    | 8.92    | 9.01    | 9.09    | 9.03    | 9.06    | 9.13    | 9.11    | 9.07    |
| Specific Conductance         | µS/cm  | 1907    | 1699    | 1402   | 1598   | 1737    | 1729   | 1745    | 1786   | 1790   | 1810    | 1771   | 1772   | 1727    | 1709    | 1746    | 1753    | 1739    | 1691    | 1739    | 1758    | 1737    | 1560    | 1555    | 1519    | 1232    | 1647    | 1765    | 1705    |
| Oxygen Reduction Potential   | mV     | -87.0   | -54.5   | -26.4  | -108.2 | -107.3  | -113.8 | -124.2  | -163.1 | -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  |
| Lab Analytical Results:      |        |         |         |        |        |         |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3            | mg/L   | 4.85    | 8.73    |        |        | 9.02    |        | 7.75    |        |        | 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    |
| pH (Lab)                     | SU     | 8.95    | 8.75    |        |        | 8.72    |        | 8.72    |        |        | 8.66    |        |        | 8.56    | 8.58    | 8.34    | 8.5     | 8.45    | 8.58    | 8.62    | 8.61    | 8.59    | 8.87    | 8.77    | 8.72    | 8.84    | 8.81    | 8.88    | 8.78    |
| Total Dissolved Solids (Lab) | mg/L   | 1550    | 1120    |        |        | 1140    |        | 1080    |        |        | 1170    |        |        | 1210    | 1110    | 1120    | 1120    | 1170    | 1010    | 1130    | 1130    | 1130    | 1060    | 1160    | 1120    | 1110    | 1180    | 1130    | 1070    |
| Calcium                      | mg/L   | 1.32    | 2.32    |        |        | 2.34    |        | 2.06    |        |        | 2.22    |        |        | 1.91    | 1.95    | 2.03    | 1.87    | 1.7     | 2.04    | 1.73    | 1.63    | 1.76    | 1.62    | 1.42    | 1.66    | 1.28    | 1.34    | 1.25    | 1.30    |
| Magnesium                    | mg/L   | 0.374   | 0.714   |        |        | 0.775   |        | 0.632   |        |        | 1.07    |        |        | 0.945   | 0.911   | 0.926   | 0.715   | 0.629   | 0.703   | 0.561   | 0.591   | 0.694   | 0.570   | 0.579   | 0.606   | 0.454   | 0.5     | 0.508   | 0.496   |
| Sodium                       | mg/L   | 420     | 430     |        |        | 440     |        | 411     |        |        | 459     |        |        | 417     | 446     | 476     | 434     | 419     | 454     | 437     | 437     | 427     | 431     | 431     | 468     | 410     | 403     | 390     | 413     |
| Potassium                    | mg/L   | 2.15    | 2.21    |        |        | 1.93    |        | <5.00   |        |        | <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    |
| Alkalinity, Total            | mg/L   | 740     | 675     |        |        | 700     |        | 660     |        |        | 700     |        |        | 680     | 730     | 720     | 685     | 755     | 720     | 690     | 705     | 680     | 625     | 770     | 690     | 690     | 705     | 705     | 740     |
| Alkalinity, Bicarbonate      | mg/L   | 510     | 555     |        |        | 600     |        | 570     |        |        | 600     |        |        | 500     | 630     | 610     | 485     | 605     | 590     | 610     | 645     | 550     | 465     | 690     | 450     | 550     | 555     | 565     | 580     |
| Alkalinity, Carbonate        | mg/L   | 230     | 120     |        |        | 100     |        | 90.0    |        |        | 100     |        |        | 180     | 100     | 110     | 200     | 150     | 130     | 80.0    | 60.0    | 130     | 160     | 80      | 240     | 140     | 150     | 140     | 160     |
| 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   |
| Chloride                     | mg/L   | 8.66    | 10.1    |        |        | 10.7    |        | 10.6    |        |        | 10.7    |        |        | 10.7    | 8.54    | 8.83    | 9.21    | 9.25    | 10.2    | 9.13    | 9.21    | 9.61    | 9.45    | 10      | 9.84    | 10.5    | 10.4    | 10.4    | 10.6    |
| Fluoride                     | mg/L   | 0.952   | 1.34    |        |        | 1.26    |        | 1.26    |        |        | 1.30    |        |        | 1.2     | 1.16    | 1.19    | 1.21    | 1.22    | 1.19    | 1.19    | 1.13    | 1.13    | 1.09    | 1.12    | 1.03    | 1.09    | 1.07    | 0.980   | 1.10    |
| Sulfate as SO4               | mg/L   | 165     | 241     |        |        | 247     |        | 254     |        |        | 245     |        |        | 250     | 226     | 230     | 232     | 229     | 236     | 224     | 227     | 231     | 222     | 110     | 223     | 227     | 228     | 230     | 233     |
| Total Organic Carbon (TOC)   | mg/L   | 8.34    | 14.8    |        |        | 10.9    |        | 10.3    |        |        | 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    | 5.4     | 5.26    | 5.14    |
| Nitrate/Nitrite as N         | mg/L   | <0.020  | <0.020  |        |        | <0.020  |        | <0.020  |        |        | <0.020  |        |        | <0.02   | <0.02   | <0.02   | <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  |
| Ammonia as N ^               | mg/L   | NA      | NA      |        |        | NA      |        | NA      |        |        | NA      |        |        | NA      | NA      | NA      | NA      | NA      | NA      | 0.317   | 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      | 0.348   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |
| Aluminum                     | mg/L   | <0.050  | 0.102   |        |        | <0.050  |        | <0.250  |        |        | <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  | <0.050  |
| Arsenic                      | mg/L   | 0.0134  | 0.0167  |        |        | 0.0131  |        | 0.0135  |        |        | 0.0160  |        |        | 0.0152  | 0.0127  | 0.0104  | 0.0149  | 0.0107  | 0.0142  | 0.0099  | 0.0093  | 0.0086  | 0.0061  | 0.007   | 0.0083  | 0.0091  | 0.0091  | 0.0078  | 0.0095  |
| Cadmium                      | mg/L   | <0.0001 | <0.0005 |        |        | <0.0005 |        | <0.0005 |        |        | <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 |
| Copper                       | mg/L   | 0.0055  | 0.0058  |        |        | 0.0065  |        | 0.0059  |        |        | 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  |
| Iron                         | mg/L   | <0.050  | <0.100  |        |        | <0.050  |        | <0.250  |        |        | <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  |
| Lead                         | mg/L   | 0.0024  | <0.0025 |        |        | <0.0025 |        | <0.0025 |        |        | <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 |
| Manganese                    | mg/L   | 0.0022  | 0.0058  |        |        | 0.0033  |        | 0.0045  |        |        | 0.0049  |        |        | 0.006   | 0.0054  | 0.0072  | 0.0078  | 0.0082  | 0.0079  | 0.0099  | 0.0095  | 0.0102  | 0.0072  | 0.007   | 0.0069  | 0.0057  | 0.0058  | 0.0054  | 0.0051  |
| Mercury                      | 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 | <0.0002 | <0.0002 |
| Molybdenum                   | mg/L   | 0.0061  | 0.0211  |        |        | 0.0148  |        | 0.0152  |        |        | 0.0170  |        |        | 0.016   | 0.0149  | 0.0158  | 0.0157  | 0.0167  | 0.0277  | 0.0372  | 0.0204  | 0.0195  | 0.0149  | 0.0163  | 0.0162  | 0.016   | 0.0149  | 0.0140  | 0.0148  |
| Selenium                     | mg/L   | 0.0013  | <0.0050 |        |        | <0.0050 |        | <0.0050 |        |        | 0.0010  |        |        | 0.0019  | <0.0050 | <0.002  | 0.0034  | <0.005  | <0.0010 | <0.0020 | <0.0020 | <0.0050 | <0.0050 | <0.004  | 0.0462  | 0.0033  | <0.0020 | 0.009   |         |

Notes & Definitions:

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one-time analysis

Y/N

yes or no

gpm

gallons per minute

deg C

degrees Celsius

SU

standard pH units

µS/cm

microsiemens per centimeter

mV

millivolts

mg/L

milligram per liter

pCi/L

picocuries per liter

GCC Energy Hydrologic Monitoring Data

| MW-3-C                       |        |         |         |        |        |         |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|------------------------------|--------|---------|---------|--------|--------|---------|--------|---------|--------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                         |        | 2017    |         |        |        |         |        |         | 2018   |        |         |        |        |         |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |
| Quarter                      |        | Q1      | Q2      | Q3     |        |         | Q4     |         |        | Q1     |         |        | Q2     |         | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      |
| Month                        |        | 3       | 6       | 7      | 8      | 9       | 10     | 11      | 12     | 1      | 2       | 3      | 4      | 5       | 8       | 11      | 2       | 5       | 9       | 11      | 3       | 5       | 8       | 12      | 2       | 5       | 8       | 11      | 2       |
| Sample Date                  |        | 3/27    | 6/30    | 7/27   | 8/24   | 9/28    | 10/27  | 11/17   | 12/7   | 1/3    | 2/21    | 3/23   | 4/12   | 5/7     | 8/8     | 11/6    | 2/27    | 5/21    | 9/17    | 11/12   | 3/13    | 5/26    | 8/31    | 12/1    | 2/10    | 5/18    | 8/10    | 11/10   | 2/24    |
| Lab Analysis (Y/N)           |        | Y       | Y       | N      | N      | Y       | N      | Y       | N      | N      | Y       | N      | N      | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       |
| Field Parameters:            |        |         |         |        |        |         |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Purge Flow Rate              | gpm    | 0.50    | NM      | NM     | NM     | NM      | NM     | NM      | NM     | NM     | 0.10    | NM     | 0.10   | 0.10    | 0.10    | 0.10    | 0.06    | 0.06    | 0.13    | 0.13    | 0.10    | 0.03    | 0.08    | 0.13    | 0.13    | 0.13    | 0.13    | 0.13    | 0.15    |
| Total Purged                 | gal    | 20.0    | 2.0     | NM     | NM     | NM      | 1.0    | 1.0     | 1.0    | 1.5    | 1.5     | 1.5    | 1.0    | 1.3     | 1.3     | 1.1     | 1.3     | 1.5     | 10.0    | 1.5     | 11.0    | 1.1     | 1.3     | 1.5     | 1.3     | 1.5     | 1.3     | 1.5     | 1.5     |
| Depth to Water               | ft bgs | 304.21  | 296.3   | 296.93 | 296.87 | 297.43  | 297.46 | 297.43  | 297.35 | 297.01 | 296.66  | 296.57 | 296.62 | 296.78  | 297.12  | 296.80  | 296.39  | 295.56  | 295.70  | 295.50  | 299.35  | 294.99  | 294.60  | 295.26  | 295.97  | 295.25  | 295.70  | 295.68  | 294.45  |
| Temperature                  | deg C  | 10.5    | 12.9    | 13.1   | 12.5   | 11.8    | 12.7   | 11.5    | 11.7   | 11.7   | 11.4    | 11.6   | 12.2   | 13.0    | 13.3    | 11.5    | 11.0    | 11.4    | 13.5    | 12.5    | 11.3    | 13.4    | 15.0    | 14.0    | 9.9     | 12.3    | 15.6    | 9.6     | 9.4     |
| pH                           | SU     | 8.61    | 8.57    | 8.51   | 8.46   | 8.44    | 8.48   | 8.41    | 8.48   | 8.43   | 8.43    | 8.45   | 8.25   | 8.28    | 8.26    | 8.17    | 8.28    | 8.29    | 8.31    | 8.20    | 7.98    | 8.44    | 8.45    | 8.73    | 8.71    | 8.50    | 8.71    | 8.85    | 8.62    |
| Specific Conductance         | µS/cm  | 3549    | 3588    | 3815   | 4112   | 4351    | 4412   | 4659    | 4596   | 4923   | 4864    | 5063   | 5019   | 4916    | 4953    | 5127    | 5155    | 5184    | 5144    | 5144    | 4921    | 3143    | 5039    | 4251    | 4426    | 3755    | 4571    | 5244    | 4564    |
| Oxygen Reduction Potential   | mV     | -129.0  | -87.2   | -137.5 | -128.8 | -149.9  | -198.3 | -200.7  | -222.2 | -187.9 | -183.5  | -155.4 | -154.7 | -161.4  | -180.5  | -217.6  | -185.4  | -188.5  | -151.8  | -184.4  | -155.0  | -240.5  | -174.4  | -150.0  | -202.7  | -149.6  | -255.3  | -227.4  | -325.6  |
| Lab Analytical Results:      |        |         |         |        |        |         |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3            | mg/L   | 14.4    | 11.8    |        |        | 15.1    |        | 14.9    |        |        | 16.1    |        |        | 40.3    | 17.9    | 21.7    | 17.3    | 16.8    | 18.6    | 18.6    | 18.3    | 16.0    | 18.1    | 16.9    | 18.5    | 14.8    | 16.9    | 16.7    | 16.0    |
| pH (Lab)                     | SU     | 8.5     | 8.48    |        |        | 8.35    |        | 8.28    |        |        | 8.35    |        |        | 8.34    | 8.31    | 8.24    | 8.2     | 8.23    | 8.31    | 8.12    | 7.98    | 8.41    | 8.36    | 8.36    | 8.43    | 8.38    | 8.47    | 8.87    | 8.44    |
| Total Dissolved Solids (Lab) | mg/L   | 2130    | 2360    |        |        | 3070    |        | 3310    |        |        | 3540    |        |        | 3610    | 3520    | 3360    | 3300    | 3440    | 3500    | 3390    | 3220    | 3180    | 3170    | 3280    | 3200    | 3230    | 3300    | 3200    | 3270    |
| Calcium                      | mg/L   | 3.60    | 2.87    |        |        | 3.50    |        | 3.58    |        |        | 3.81    |        |        | 7.28    | 4.01    | 4.70    | 4.05    | 3.74    | 4.30    | 4.23    | 4.26    | 3.81    | 3.97    | 3.72    | 4.25    | 3.59    | 3.84    | 3.76    | 3.66    |
| Magnesium                    | mg/L   | 1.31    | 1.12    |        |        | 1.55    |        | 1.44    |        |        | 1.59    |        |        | 5.38    | 1.92    | 2.41    | 1.75    | 1.8     | 1.91    | 1.94    | 1.86    | 1.58    | 1.98    | 1.84    | 1.92    | 1.42    | 1.77    | 1.78    | 1.67    |
| Sodium                       | mg/L   | 796     | 890     |        |        | 1100    |        | 1130    |        |        | 1200    |        |        | 1350    | 1220    | 1460    | 1270    | 1100    | 1360    | 1300    | 1280    | 1240    | 1250    | 1250    | 1360    | 1220    | 1220    | 1170    | 1200    |
| Potassium                    | mg/L   | 3.47    | 3.24    |        |        | 4.01    |        | <5.00   |        |        | <10.0   |        |        | <5.00   | <5.00   | <5.00   | <5.00   | 5.24    | <5.00   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   | <6.00   | <5.00   | <5.00   | <5.00   |
| Alkalinity, Total            | mg/L   | 1490    | 1570    |        |        | 1690    |        | 1880    |        |        | 1910    |        |        | 1760    | 1730    | 2050    | 2000    | 2110    | 2190    | 2130    | 2160    | 2050    | 1820    | 2090    | 2170    | 2130    | 2140    | 2230    | 2180    |
| Alkalinity, Bicarbonate      | mg/L   | 1360    | 1480    |        |        | 1650    |        | 1830    |        |        | 1810    |        |        | 1600    | 1670    | 1900    | 1830    | 2000    | 2020    | 2070    | 2000    | 1800    | 1690    | 1970    | 1710    | 1910    | 1950    | 1950    | 1820    |
| Alkalinity, Carbonate        | mg/L   | 130     | 90.0    |        |        | 40.0    |        | 50.0    |        |        | 100     |        |        | 160     | 60.0    | 150     | 170     | 110     | 170     | 60.0    | 160     | 250     | 130     | 120     | 460     | 220     | 190     | 280     | 360     |
| Alkalinity, Hydroxide        | mg/L   | <10.0   | <10.0   |        |        | <10.0   |        | <10.0   |        |        | <10.0   |        |        | <10.0   | NA      | <10.0   | <10.0   | <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   | 182     | 330     |        |        | 477     |        | 506     |        |        | 549     |        |        | 544     | 524     | 561     | 577     | 575     | 620     | 542     | 549     | 555     | 552     | 578     | 574     | 577     | 582     | 462     | 608     |
| Fluoride                     | mg/L   | 4.89    | 4.94    |        |        | 4.52    |        | 4.34    |        |        | 4.15    |        |        | 3.52    | 3.84    | 4.04    | 4.04    | 3.91    | 3.78    | 3.66    | 3.61    | 3.51    | 3.47    | 3.53    | 3.37    | 3.34    | 3.36    | 3.16    | 3.37    |
| Sulfate as SO4               | mg/L   | 73.4    | 73.5    |        |        | 46.4    |        | 24.5    |        |        | <10.0   |        |        | <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   |
| Total Organic Carbon (TOC)   | mg/L   | 10.6    | 58.5    |        |        | 219     |        | 251     |        |        | 337     |        |        | 343     | 306     | 141     | 122     | 129     | 132     | 107     | 81.9    | 23.4    | 17.1    | 15.7    | 15.7    | 16.3    | 15.7    | 16.4    | 17.9    |
| Nitrate/Nitrite as N         | mg/L   | <0.020  | <0.400  |        |        | <0.400  |        | <0.020  |        |        | <0.020  |        |        | <0.02   | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.020  | <0.02   | <0.020  | <0.020  | <0.020  | <0.020  | <0.040  | <0.020  |
| Ammonia as N ^               | mg/L   | NA      | NA      |        |        | NA      |        | NA      |        |        | NA      |        |        | NA      | NA      | NA      | NA      | NA      | NA      | 0.500   | 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      | 0.212   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |
| Aluminum                     | mg/L   | <0.050  | <0.100  |        |        | <0.050  |        | <0.250  |        |        | <0.500  |        |        | 1.47    | <0.500  | <0.250  | <0.250  | <0.500  | <0.250  | <0.500  | <0.500  | <0.500  | <0.500  | <0.500  | <0.500  | <0.300  | <0.250  | <0.250  | <0.250  |
| Arsenic                      | mg/L   | 0.0115  | 0.0088  |        |        | 0.0098  |        | 0.0091  |        |        | 0.0194  |        |        | 0.0168  | 0.0148  | 0.0155  | 0.0218  | 0.0171  | 0.0192  | 0.0188  | 0.0087  | 0.0133  | 0.0106  | 0.0125  | 0.0113  | 0.0163  | 0.0195  | 0.0170  | 0.0157  |
| Cadmium                      | mg/L   | <0.0001 | <0.0010 |        |        | <0.0010 |        | <0.0005 |        |        | <0.0005 |        |        | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.001  | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0010 | <0.001  | <0.0010 | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| Copper                       | mg/L   | 0.0109  | 0.0147  |        |        | 0.0174  |        | 0.0160  |        |        | 0.0409  |        |        | 0.0183  | 0.0257  | 0.0227  | 0.0223  | 0.0168  | 0.0102  | 0.0109  | 0.0069  | 0.0064  | 0.0136  | 0.0156  | 0.0102  | 0.0499  | 0.0434  | 0.0323  | 0.0287  |
| Iron                         | mg/L   | <0.050  | <0.050  |        |        | <0.050  |        | <0.250  |        |        | <0.500  |        |        | 0.252   | <0.500  | <0.250  | <0.250  | 0.344   | 0.328   | <0.500  | <0.500  | <0.500  | <0.500  | <0.500  | <0.500  | <0.300  | 0.464   | 0.310   | 0.260   |
| Lead                         | mg/L   | 0.0085  | <0.0050 |        |        | <0.0050 |        | <0.0025 |        |        | <0.0025 |        |        | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.005  | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0050 | <0.0050 | <0.0050 | <0.0025 | <0.0025 | <0.0025 | <0.0025 |
| Manganese                    | mg/L   | 0.0091  | 0.0188  |        |        | 0.0178  |        | 0.0202  |        |        | 0.0307  |        |        | 0.0275  | 0.0243  | 0.0252  | 0.0483  | 0.063   | 0.0378  | 0.0266  | 0.0245  | 0.0175  | 0.0102  | 0.0079  | 0.0052  | 0.0046  | 0.0034  | 0.0032  | 0.0028  |
| Mercury                      | mg/L   | <0.0002 | <0.0002 |        |        | <0.0002 |        | <0.0002 |        |        | <0.0002 |        |        | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0050 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| Molybdenum                   | mg/L   | 0.0143  | 0.0291  |        |        | 0.0241  |        | 0.0241  |        |        | 0.0221  |        |        | 0.0189  | 0.0155  | 0.0140  | 0.0134  | 0.0121  | 0.0081  | 0.0075  | 0.0082  | 0.0085  | 0.0076  | 0.0075  | 0.008   | 0.0069  | 0.0061  | 0.0061  | 0.0059  |
| Selenium                     | mg/L   | 0.0233  | 0.0121  |        |        | 0.0149  |        | 0.0240  |        |        | 0.0383  |        |        | 0.0268  | 0.0232  | 0.02    |         |         |         |         |         |         |         |         |         |         |         |         |         |

Notes & Definitions:

- ^

one-time analysis

Y/N

yes or no

gpm

gallons per minute

deg C

degrees Celsius

</

GCC Energy Hydrologic Monitoring Data

| MW-4-A                       |        |         |         |        |        |         |        |         |        |        |         |        |        |         |         |         |         |         |         |         |           |         |         |         |         |         |         |         |         |      |
|------------------------------|--------|---------|---------|--------|--------|---------|--------|---------|--------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|------|
| Year                         |        | 2017    |         |        |        |         |        |         |        | 2018   |         |        |        |         |         |         |         | 2019    |         |         |           | 2020    |         |         |         | 2021    |         |         |         | 2022 |
| Quarter                      |        | Q1      | Q2      | Q3     |        |         | Q4     |         | Q1     |        |         | Q2     |        | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2        | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      |         |      |
| Month                        |        | 3       | 6       | 7      | 8      | 9       | 10     | 11      | 12     | 1      | 2       | 3      | 4      | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2         | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       |      |
| Sample Date                  |        | 3/29    | 6/30    | 7/19   | 8/23   | 9/28    | 10/27  | 11/17   | 12/7   | 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    |      |
| Lab Analysis (Y/N)           |        | Y       | Y       | N      | N      | Y       | N      | Y       | N      | N      | Y       | N      | N      | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y         | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       |      |
| Field Parameters:            |        |         |         |        |        |         |        |         |        |        |         |        |        |         |         |         |         |         |         |         |           |         |         |         |         |         |         |         |         |      |
| Purge Flow Rate              | gpm    | NM      | NM      | NM     | NM     | NM      | NM     | NM      | NM     | NM     | 0.10    | NM     | 0.10   | 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    |      |
| Total Purged                 | gal    | 19.0    | 2.0     | 1.5    | 0.5    | 1.0     | 1.0    | 1.0     | 1.0    | 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     | 1.3     | 1.5     | 1.3     | 1.8     |      |
| Depth to Water               | ft bgs | 338.6   | 334.96  | 335.59 | 334.79 | 334.81  | 334.86 | 332.29  | 334.09 | 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  |      |
| Temperature                  | deg C  | 15.6    | 16.8    | 25.5   | 17.6   | 11.9    | 11.6   | 10.8    | 10.1   | 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     |      |
| pH                           | SU     | 8.61    | 8.29    | 8.55   | 7.98   | 8.41    | 8.32   | 8.38    | 8.32   | 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    |      |
| Specific Conductance         | µS/cm  | 2163    | 2053    | 1876   | 2096   | 2180    | 2165   | 2186    | 2261   | 2259   | 2267    | 2207   | 2214   | 2183    | 2192    | 2246    | 2205    | 2237    | 2201    | 2211    | 2271      | 2273    | 2165    | 2249    | 2052    | 1618    | 2205    | 2268    | 2294    |      |
| Oxygen Reduction Potential   | mV     | 28.6    | 54.0    | 60.2   | 61.7   | -8.6    | -27.0  | -12.3   | -51.8  | -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  |      |
| Lab Analytical Results:      |        |         |         |        |        |         |        |         |        |        |         |        |        |         |         |         |         |         |         |         |           |         |         |         |         |         |         |         |         |      |
| Hardness as CaCO3            | mg/L   | 9.16    | 9.85    |        |        | 7.77    |        | 7.11    |        |        | 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    |      |
| pH (Lab)                     | SU     | 8.2     | 8.40    |        |        | 8.36    |        | 8.40    |        |        | 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    |      |
| Total Dissolved Solids (Lab) | mg/L   | 1470    | 1470    |        |        | 1450    |        | 1500    |        |        | 1490    |        |        | 1470    | 1430    | 1350    | 1450    | 1410    | 1540    | 1490    | 1500      | 1480    | 1460    | 1560    | 1370    | 1430    | 1510    | 1470    | 1400    |      |
| Calcium                      | mg/L   | 2.23    | 2.43    |        |        | 1.76    |        | 1.87    |        |        | 1.81    |        |        | 1.75    | 1.71    | 1.92    | 1.77    | 1.68    | 1.94    | 1.82    | 1.88      | 1.67    | 1.79    | 1.73    | 2.04    | 1.65    | 1.41    | 1.76    | 1.87    |      |
| Magnesium                    | mg/L   | 0.871   | 0.916   |        |        | 0.823   |        | 0.591   |        |        | 0.778   |        |        | 0.846   | 0.832   | 0.973   | 0.809   | 0.756   | 0.914   | 0.837   | 0.850     | 0.798   | 0.826   | 0.836   | 0.917   | 0.704   | 0.555   | 0.765   | 0.890   |      |
| Sodium                       | mg/L   | 515     | 537     |        |        | 513     |        | 511     |        |        | 507     |        |        | 528     | 531     | 568     | 535     | 515     | 548     | 529     | 551       | 498     | 533     | 531     | 565     | 507     | 411     | 488     | 504     |      |
| Potassium                    | mg/L   | 1.57    | 1.75    |        |        | 1.63    |        | <5.00   |        |        | <2.00   |        |        | 1.5     | <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   |      |
| Alkalinity, Total            | mg/L   | 635     | 560     |        |        | 630     |        | 590     |        |        | 530     |        |        | 560     | 575     | 575     | 545     | 565     | 575     | 544     | 560       | 585     | 605     | 538     | 620     | 590     | 580     | 670     | 535     |      |
| Alkalinity, Bicarbonate      | mg/L   | 635     | 560     |        |        | 590     |        | 560     |        |        | 490     |        |        | 560     | 555     | 575     | 505     | 544     | 535     | 528     | 560       | 545     | 565     | 530     | 620     | 530     | 580     | 670     | 485     |      |
| Alkalinity, Carbonate        | mg/L   | <10.0   | <10.0   |        |        | 40.0    |        | 30.0    |        |        | 40.0    |        |        | <10.0   | 20.0    | <10.0   | 40      | 32      | 40.0    | 16.0    | <10.0     | 40.0    | 40      | <10.0   | <10.0   | 60      | <10.0   | <10.0   | 50.0    |      |
| 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   |      |
| Chloride                     | mg/L   | 9.56    | 9.66    |        |        | 10.3    |        | 10.3    |        |        | 10.0    |        |        | 9.94    | 9.55    | 8.60    | 8.93    | 8.99    | 8.91    | 8.76    | 8.83      | 8.89    | 10.1    | 9.15    | 8.79    | 9.15    | 9.17    | 9.04    | 9.04    |      |
| Fluoride                     | mg/L   | <0.400  | <0.400  |        |        | <0.500  |        | <0.500  |        |        | <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  |      |
| Sulfate as SO4               | mg/L   | 594     | 588     |        |        | 783     |        | 594     |        |        | 579     |        |        | 561     | 522     | 450     | 567     | 584     | 615     | 559     | 557       | 580     | 542     | 607     | 561     | 577     | 593     | 551     | 581     |      |
| Total Organic Carbon (TOC)   | mg/L   | 6.63    | 11.7    |        |        | 3.52    |        | 3.27    |        |        | 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    |      |
| Nitrate/Nitrite as N         | mg/L   | 0.035   | <0.020  |        |        | <0.020  |        | <0.020  |        |        | <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  |      |
| Ammonia as N ^               | mg/L   | NA      | NA      |        |        | NA      |        | NA      |        |        | NA      |        |        | NA      | NA      | NA      | NA      | NA      | NA      | 0.312   | 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      | <0.0500 | NA        | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |      |
| Aluminum                     | mg/L   | <0.050  | <0.050  |        |        | <0.050  |        | <0.250  |        |        | <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  |      |
| Arsenic                      | mg/L   | 0.0016  | <0.0025 |        |        | <0.0025 |        | <0.0025 |        |        | 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  |      |
| Cadmium                      | mg/L   | <0.0001 | <0.0005 |        |        | <0.0005 |        | <0.0005 |        |        | <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 | <0.0005 | <0.0010 | <0.0010 | <0.0005 |      |
| Copper                       | mg/L   | 0.0053  | 0.0093  |        |        | 0.0076  |        | 0.0073  |        |        | 0.0124  |        |        | 0.0077  | 0.0105  | 0.0084  | 0.0081  | 0.0061  | 0.0120  | 0.0037  | 0.0034    | 0.0020  | 0.0056  | 0.0053  | 0.0036  | 0.0135  | 0.0161  | 0.0126  | 0.0097  |      |
| Iron                         | mg/L   | <0.050  | <0.050  |        |        | <0.050  |        | <0.250  |        |        | <0.100  |        |        | <0.050  | <0.050  | <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  |      |
| Lead                         | mg/L   | 0.0014  | <0.0025 |        |        | <0.0025 |        | <0.0025 |        |        | <0.0005 |        |        | <0.0005 | <0.0005 | <0.0010 | <0.0010 | <0.0005 | <0.0010 | <0.0010 | <0.0010   | <0.0010 | <0.0025 | <0.0025 | <0.0025 | <0.0005 | <0.0010 | <0.0010 | <0.0005 |      |
| Manganese                    | mg/L   | 0.0044  | 0.0063  |        |        | 0.0044  |        | 0.0040  |        |        | 0.0035  |        |        | 0.0033  | <0.0075 | 0.0034  | 0.0032  | 0.0031  | 0.0026  | 0.0016  | 0.0033    | 0.0031  | 0.0029  | 0.0035  | 0.0029  | 0.0029  | 0.003   | 0.0030  | 0.0032  |      |
| Mercury                      | mg/L   | <0.0002 | <0.0002 |        |        | <0.0002 |        | <0.0002 |        |        | <0.0002 |        |        | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0050 | <0.0002   | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |      |
| Molybdenum                   | mg/L   | 0.0009  | 0.0275  |        |        | <0.0025 |        | <0.0025 |        |        | 0.0005  |        |        | <0.0005 | <0.0005 | <0.0010 | <0.0010 | <0.0005 | <0.0005 | <0.0010 | <0.0010</ |         |         |         |         |         |         |         |         |      |

GCC Energy Hydrologic Monitoring Data

| MW-4-MI                      |        |         |         |        |        |         |       |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |    |
|------------------------------|--------|---------|---------|--------|--------|---------|-------|---------|--------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----|
| Year                         |        | 2017    |         |        |        |         |       |         | 2018   |        |         |        |        |         |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |    |
| Quarter                      |        | Q1      | Q2      | Q3     |        |         | Q4    |         |        | Q1     |         |        | Q2     |         | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      |    |
| Month                        |        | 3       | 6       | 7      | 8      | 9       | 10    | 11      | 12     | 1      | 2       | 3      | 4      | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       |    |
| Sample Date                  |        | 3/30    | 6/16    | 7/27   | 8/23   | 9/28    | 10/27 | 11/17   | 12/7   | 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    |    |
| Lab Analysis (Y/N)           |        | Y       | Y       | N      | N      | Y       | N     | Y       | N      | N      | Y       | N      | N      | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       |    |
| Field Parameters:            |        |         |         |        |        |         |       |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |    |
| Purge Flow Rate              | gpm    | NM      | NM      | NM     | NM     | NM      | NM    | NM      | NM     | NM     | 0.10    | NM     | 0.10   | 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    |    |
| Total Purged                 | gal    | 0.5     | 6.5     | NM     | NM     | 1.0     | 1.0   | 1.0     | 1.0    | 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     |    |
| Depth to Water               | ft bgs | 378.2   | 330.15  | 330.94 | 330.85 | 330.81  | 330.8 | 330.74  | 330.67 | 330.52 | 330.42  | 330.53 | 330.5  | 329.62  | 331.1   | 336.57  | 331.1   | 331.06  | 331.92  | 332.1   | 332.5   | 332.87  | 332.45  | 333.29  | 333.22  | 329.27  | 333.57  | 333.65  | 333.45  |    |
| Temperature                  | deg C  | 15.0    | 14.6    | 12.9   | 12.5   | 11.4    | 10.7  | 11.3    | 11.4   | 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    |    |
| pH                           | SU     | 9.08    | 8.91    | 8.78   | 8.79   | 8.76    | 8.76  | 8.73    | 8.67   | 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    |    |
| Specific Conductance         | µS/cm  | 1581    | 1668    | 1731   | 1708   | 1784    | 1794  | 1804    | 1833   | 1848   | 1856    | 1841   | 1816   | 1739    | 1756    | 1808    | 1716    | 1800    | 1830    | 1776    | 1795    | 1794    | 1730    | 1777    | 1605    | 1258    | 1711    | 1761    | 1745    |    |
| Oxygen Reduction Potential   | mV     | 155.2   | 64.7    | 9.8    | 35.2   | -29.6   | -37.3 | -111.5  | -89.2  | -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  |    |
| Lab Analytical Results:      |        |         |         |        |        |         |       |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |    |
| Hardness as CaCO3            | mg/L   | 5.43    | 8.71    |        |        | 7.07    |       | 4.20    |        |        | 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    |    |
| pH (Lab)                     | SU     | 8.83    | 8.59    |        |        | 8.63    |       | 8.51    |        |        | 8.47    |        |        | 8.48    | 8.31    | 8.47    | 8.35    | 8.3     | 8.44    | 8.08    | 8.33    | 8.02    | 8.28    | 8.38    | 8.21    | 8.38    | 8.28    | 8.59    | 8.35    |    |
| Total Dissolved Solids (Lab) | mg/L   | 1160    | 1170    |        |        | 1180    |       | 1180    |        |        | 1220    |        |        | 1140    | 1120    | 1100    | 1130    | 1130    | 1140    | 1120    | 1110    | 1110    | 1070    | 1170    | 1130    | 1100    | 1130    | 1090    | 1100    |    |
| Calcium                      | mg/L   | 1.53    | 2.32    |        |        | 1.88    |       | 1.68    |        |        | 1.64    |        |        | 1.55    | 1.56    | 1.60    | 1.44    | 1.3     | 1.51    | 1.32    | 1.21    | 1.22    | 1.32    | 1.14    | 1.97    | 1.05    | 1.23    | 1.09    | 1.05    |    |
| Magnesium                    | mg/L   | 0.392   | 0.707   |        |        | 0.579   |       | <0.500  |        |        | 0.465   |        |        | 0.49    | 0.524   | 0.580   | 0.428   | 0.408   | 0.458   | <0.500  | 0.406   | <0.500  | 0.459   | <0.400  | <0.500  | 0.285   | 0.37    | 0.441   | 0.372   |    |
| Sodium                       | mg/L   | 408     | 458     |        |        | 449     |       | 452     |        |        | 447     |        |        | 471     | 470     | 500     | 462     | 458     | 496     | 477     | 441     | 460     | 459     | 458     | 476     | 431     | 427     | 418     | 430     |    |
| Potassium                    | mg/L   | 1.46    | <2.00   |        |        | 1.73    |       | <5.00   |        |        | <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   |    |
| Alkalinity, Total            | mg/L   | 965     | 915     |        |        | 1100    |       | 985     |        |        | 965     |        |        | 955     | 968     | 995     | 510     | 890     | 970     | 978     | 985     | 1030    | 1020    | 1010    | 990     | 1020    | 985     | 1140    | 935     |    |
| Alkalinity, Bicarbonate      | mg/L   | 775     | 825     |        |        | 880     |       | 885     |        |        | 875     |        |        | 865     | 896     | 885     | 420     | 650     | 880     | 886     | 895     | 935     | 940     | 965     | 910     | 900     | 865     | 1020    | 825     |    |
| Alkalinity, Carbonate        | mg/L   | 190     | 90.0    |        |        | 220     |       | 100     |        |        | 90.0    |        |        | 90      | 72.0    | 110     | 90      | 240     | 90.0    | 92.0    | 90.0    | 90.0    | 80      | 40      | 80      | 120     | 120     | 120     | 110     |    |
| 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   |    |
| Chloride                     | mg/L   | 2.18    | 7.50    |        |        | 8.78    |       | 9.11    |        |        | 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    |    |
| Fluoride                     | mg/L   | 4.72    | 5.02    |        |        | 5.09    |       | 5.10    |        |        | 5.02    |        |        | 4.82    | 4.84    | 4.94    | 5.49    | 5.44    | 5.38    | 5.31    | 5.11    | 5.16    | 5       | 5.27    | 4.92    | 5.03    | 5.2     | 4.78    | 5.16    |    |
| Sulfate as SO4               | mg/L   | 17.4    | 64.7    |        |        | 76.6    |       | 77.5    |        |        | 68.6    |        |        | 54.4    | 48.3    | 47.6    | 38.7    | 34.4    | 31.9    | 28.2    | 24.6    | 21.9    | 20      | 18.7    | 17.1    | 16.1    | 16.4    | 13.7    | 13.4    |    |
| Total Organic Carbon (TOC)   | mg/L   | 2.64    | 6.49    |        |        | 8.58    |       | 9.53    |        |        | 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    |    |
| 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  | 0.040   | <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      | 0.240   | 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      | 0.280   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA |
| Aluminum                     | mg/L   | <0.050  | <0.100  |        |        | <0.050  |       | <0.250  |        |        | <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  |    |
| Arsenic                      | mg/L   | 0.0099  | 0.0220  |        |        | 0.0131  |       | 0.0122  |        |        | 0.0139  |        |        | 0.0153  | 0.014   | 0.0119  | 0.0164  | 0.0111  | 0.0116  | 0.0107  | 0.0127  | 0.0139  | 0.0084  | 0.0092  | 0.0088  | 0.011   | 0.0099  | 0.0093  | 0.0120  |    |
| Cadmium                      | mg/L   | <0.0001 | <0.0001 |        |        | <0.0005 |       | <0.0005 |        |        | <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 |    |
| Copper                       | mg/L   | 0.0059  | 0.0058  |        |        | 0.0071  |       | 0.0070  |        |        | 0.0079  |        |        | 0.0063  | 0.0071  | 0.0078  | 0.0087  | 0.0153  | 0.0051  | 0.0027  | 0.0028  | 0.0020  | 0.0052  | 0.0045  | 0.004   | 0.0103  | 0.0134  | 0.0107  | 0.0116  |    |
| Iron                         | mg/L   | <0.050  | <0.100  |        |        | <0.050  |       | <0.250  |        |        | <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  |    |
| Lead                         | mg/L   | 0.0010  | <0.0005 |        |        | <0.0025 |       | <0.0025 |        |        | <0.0005 |        |        | <0.0005 | <0.0005 | <0.0010 | <0.0005 | <0.0005 | <0.0005 | <0.0010 | <0.0010 | <0.0005 | <0.0025 | <0.0020 | <0.0025 | <0.0005 | <0.0010 | <0.0010 | <0.0005 |    |
| Manganese                    | mg/L   | 0.0020  | 0.0066  |        |        | 0.0081  |       | 0.0124  |        |        | 0.0080  |        |        | 0.007   | 0.0068  | 0.0084  | 0.0091  | 0.0084  | 0.0084  | 0.0073  | 0.0085  | 0.0086  | 0.0086  | 0.0092  | 0.0094  | 0.0073  | 0.0075  | 0.0077  | 0.0076  |    |
| Mercury                      | mg/L   | <0.0002 | <0.0002 |        |        | <0.0002 |       | <0.0002 |        |        | <0.0002 |        |        | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0050 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |    |
| Molybdenum                   | mg/L   | 0.0020  | 0.0160  |        |        | 0.0127  |       | 0.0134  |        |        | 0.0151  |        |        | 0.0119  | 0.0115  | 0.0129  | 0.0121  | 0.0119  | 0.0108  | 0.0101  | 0.0096  | 0.0091  | 0.0081  | 0.0089  | 0.0082  | 0.0076  | 0.0068  | 0.0065  | 0.0065  |    |
| Selenium                     | mg/L   | <0.0010 | 0.0012  |        |        | <0.0050 |       | <0.0050 |        |        | <0.0010 |        |        | 0.0022  | 0.0113  | <0.0020 | 0.002   | <0.0010 | <0.00   |         |         |         |         |         |         |         |         |         |         |    |

Notes & Definitions:

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one-time analysis

Y/N

yes or no

gpm

gallons per minute

deg C

degrees Celsius

SU

standard pH units</

GCC Energy Hydrologic Monitoring Data

| MW-4-C                       |        |         |         |        |        |         |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |      |
|------------------------------|--------|---------|---------|--------|--------|---------|--------|---------|--------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|
| Year                         |        | 2017    |         |        |        |         |        |         |        | 2018   |         |        |        |         |         |         |         | 2019    |         |         |         | 2020    |         |         |         | 2021    |         |         |         | 2022 |
| Quarter                      |        | Q1      | Q2      | Q3     |        |         | Q4     |         |        | Q1     |         |        | Q2     |         | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      |      |
| Month                        |        | 3       | 6       | 7      | 8      | 9       | 10     | 11      | 12     | 1      | 2       | 3      | 4      | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 12      | 2       | 5       | 8       | 11      | 2       |      |
| Sample Date                  |        | 3/30    | 6/16    | 7/27   | 8/23   | 9/28    | 10/27  | 11/17   | 12/7   | 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    | 12/1    | 2/10    | 5/18    | 8/10    | 11/10   | 2/23    |      |
| Lab Analysis (Y/N)           |        | Y       | Y       | N      | N      | Y       | N      | Y       | N      | N      | Y       | N      | N      | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       | Y       |      |
| Field Parameters:            |        |         |         |        |        |         |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |      |
| Purge Flow Rate              | gpm    | NM      | NM      | NM     | NM     | NM      | NM     | NM      | NM     | NM     | 0.1     | NM     | 0.1    | 0.1     | 0.1     | 0.2     | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     | 0.1     | 0.3     |      |
| Total Purged                 | gal    | 7.0     | 1.5     | NM     | NM     | 1.0     | 1.0    | 1.0     | 1.0    | 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     |      |
| Depth to Water               | ft bgs | 328.33  | 314.05  | 309.87 | 306.86 | 303.96  | 303.80 | 302.47  | 304.80 | 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  |      |
| Temperature                  | deg C  | 13.3    | 17.4    | 12.7   | 12.0   | 13.9    | 11.8   | 11.2    | 11.0   | 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    |      |
| pH                           | SU     | 8.33    | 7.62    | 7.68   | 7.70   | 7.69    | 7.75   | 7.72    | 7.79   | 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    |      |
| Specific Conductance         | µS/cm  | 3792    | 5944    | 5997   | 5885   | 5813    | 5721   | 5782    | 5604   | 5834   | 5903    | 5628   | 5792   | 5592    | 5583    | 5775    | 5710    | 5712    | 5930    | 5636    | 5729    | 5636    | 5429    | 5665    | 5106    | 4047    | 5454    | 5687    | 5698    |      |
| Oxygen Reduction Potential   | mV     | 57.3    | 20.3    | -101.5 | -111.2 | -103.7  | -117.4 | -109.0  | -120.1 | -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  |      |
| Lab Analytical Results:      |        |         |         |        |        |         |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |      |
| Hardness as CaCO3            | mg/L   | 46.3    | 55.9    |        |        | 38.9    |        | 30.0    |        |        | 26.5    |        |        | 26.2    | 25.9    | 28.6    | 23.6    | 22.5    | 25.2    | 24.4    | 24.0    | 22.7    | 23      | 21.8    | 25.6    | 19.6    | 21.9    | 20.9    | 22.2    |      |
| pH (Lab)                     | SU     | 7.61    | 7.77    |        |        | 7.79    |        | 7.98    |        |        | 7.84    |        |        | 7.97    | 7.96    | 8.27    | 7.9     | 7.92    | 7.95    | 7.85    | 7.95    | 7.76    | 7.92    | 7.94    | 7.96    | 7.97    | 7.96    | 8.08    | 8.01    |      |
| Total Dissolved Solids (Lab) | mg/L   | 3230    | 4050    |        |        | 3750    |        | 3780    |        |        | 3730    |        |        | 3660    | 3650    | 3590    | 3580    | 3590    | 3610    | 3610    | 3580    | 3570    | 3510    | 3610    | 3720    | 3540    | 3600    | 3630    | 3520    |      |
| Calcium                      | mg/L   | 13.6    | 13.7    |        |        | 9.15    |        | 7.45    |        |        | 6.32    |        |        | 6.15    | 5.90    | 6.60    | 5.5     | 5.21    | 5.83    | 5.61    | 5.57    | 5.31    | 5.3     | 5.15    | 5.98    | 4.64    | 5.07    | 4.77    | 5.04    |      |
| Magnesium                    | mg/L   | 2.99    | 5.26    |        |        | 3.90    |        | 2.76    |        |        | 2.61    |        |        | 2.62    | 2.72    | 2.94    | 2.39    | 2.3     | 2.57    | 2.53    | 2.44    | 2.30    | 2.36    | 2.18    | 2.58    | 1.95    | 2.25    | 2.19    | 2.33    |      |
| Sodium                       | mg/L   | 908     | 1510    |        |        | 1490    |        | 1400    |        |        | 1410    |        |        | 1400    | 1410    | 1590    | 1410    | 1370    | 1440    | 1430    | 1440    | 1390    | 1400    | 1400    | 1520    | 1310    | 1340    | 1270    | 1360    |      |
| Potassium                    | mg/L   | 4.38    | 5.71    |        |        | 6.07    |        | <10.0   |        |        | <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   |      |
| Alkalinity, Total            | mg/L   | 1250    | 2360    |        |        | 2780    |        | 2680    |        |        | 2600    |        |        | 2410    | 2480    | 2450    | 2470    | 2550    | 2500    | 2470    | 2480    | 2460    | 2500    | 2950    | 2470    | 2500    | 2410    | 2630    | 2360    |      |
| Alkalinity, Bicarbonate      | mg/L   | 1250    | 2360    |        |        | 2780    |        | 2640    |        |        | 2600    |        |        | 2330    | 2480    | 2450    | 2470    | 2350    | 2390    | 2410    | 2420    | 2340    | 2390    | 2880    | 2430    | 2360    | 2290    | 2410    | 2180    |      |
| Alkalinity, Carbonate        | mg/L   | <10.0   | <10.0   |        |        | <10.0   |        | 40.0    |        |        | <10.0   |        |        | 80      | <10.0   | <10.0   | <10.0   | <10.0   | 200     | 110     | 60.0    | 60.0    | 120     | 110     | 70      | 40      | 140     | 120     | 220     | 180  |
| 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   |      |
| Chloride                     | mg/L   | 181     | 550     |        |        | 587     |        | 608     |        |        | 592     |        |        | 573     | 533     | 590     | 575     | 554     | 580     | 525     | 528     | 555     | 543     | 565     | 557     | 553     | 572     | 561     | 562     |      |
| Fluoride                     | mg/L   | 1.29    | 2.04    |        |        | 2.17    |        | 2.43    |        |        | 2.53    |        |        | 2.52    | 2.48    | 2.54    | 2.64    | 2.62    | 2.59    | 2.51    | 2.41    | 2.36    | 2.34    | 2.37    | 2.21    | 2.16    | 2.28    | 2.04    | 2.26    |      |
| Sulfate as SO4               | mg/L   | 534     | 487     |        |        | 70.2    |        | 26.0    |        |        | 34.5    |        |        | 27      | 18.7    | 11.2    | 5.07    | <5.00   | <5.00   | <5.00   | <5.00   | <5.00   | <5.00   | <5.00   | <5.00   | <5.00   | <5.00   | <5.00   | <5.00   |      |
| Total Organic Carbon (TOC)   | mg/L   | 30      | 6.42    |        |        | 5.08    |        | 3.64    |        |        | 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    |      |
| Nitrate/Nitrite as N         | mg/L   | <2.00   | <0.500  |        |        | <0.400  |        | <0.100  |        |        | <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  |      |
| Ammonia as N ^               | mg/L   | NA      | NA      |        |        | NA      |        | NA      |        |        | NA      |        |        | NA      | NA      | NA      | NA      | NA      | NA      | 0.424   | 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      | 0.182   | NA      | NA      | NA      | NA      | NA      | NA      | NA      | NA      |      |
| Aluminum                     | mg/L   | <0.050  | <0.050  |        |        | <0.050  |        | <0.500  |        |        | <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  |      |
| Arsenic                      | mg/L   | 0.0059  | 0.0119  |        |        | 0.0128  |        | 0.0152  |        |        | 0.0246  |        |        | 0.0195  | 0.0202  | 0.0164  | 0.0211  | 0.0171  | 0.0178  | 0.0179  | 0.0203  | 0.0195  | 0.015   | 0.0182  | 0.0177  | 0.0212  | 0.0248  | 0.0213  | 0.0213  |      |
| Cadmium                      | mg/L   | <0.0001 | <0.0010 |        |        | <0.0010 |        | <0.0010 |        |        | <0.0005 |        |        | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0001 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.001  | <0.001  | <0.0010 | <0.0025 | <0.0025 | <0.0025 |      |
| Copper                       | mg/L   | 0.0125  | 0.0243  |        |        | 0.0221  |        | 0.0208  |        |        | 0.0482  |        |        | 0.0389  | 0.0280  | 0.0230  | 0.0249  | 0.0382  | 0.0198  | 0.0107  | 0.0111  | 0.0069  | 0.0151  | 0.0148  | 0.0111  | 0.0464  | 0.0499  | 0.0370  | 0.0302  |      |
| Iron                         | mg/L   | <0.050  | <0.050  |        |        | <0.050  |        | <0.500  |        |        | <0.500  |        |        | 0.373   | 0.397   | 0.474   | 0.279   | 0.391   | 0.522   | 0.619   | 0.591   | 0.551   | <0.500  | 0.553   | 0.837   | 0.355   | 0.793   | 0.551   | 0.598   |      |
| Lead                         | mg/L   | <0.0005 | <0.0050 |        |        | <0.0050 |        | <0.0050 |        |        | <0.0025 |        |        | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0005 | <0.0025 | <0.0025 | <0.0025 | <0.0025 | <0.0050 | <0.0050 | <0.0050 | <0.0025 | <0.0025 | <0.0025 | <0.0025 |      |
| Manganese                    | mg/L   | 0.0269  | 0.0772  |        |        | 0.0554  |        | 0.0571  |        |        | 0.0647  |        |        | 0.0529  | 0.0381  | 0.0283  | 0.0268  | 0.0174  | 0.0162  | 0.0096  | 0.0209  | 0.0103  | 0.008   | 0.0076  | 0.0059  | 0.0063  | 0.005   | 0.0047  | 0.0051  |      |
| Mercury                      | mg/L   | <0.0002 | <0.0002 |        |        | <0.0002 |        | <0.0002 |        |        | <0.0002 |        |        | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0050 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |      |
| Molybdenum                   | mg/L   | 0.0526  | 0.115   |        |        | 0.0138  |        | 0.0106  |        |        | 0.0086  |        |        | 0.0072  | 0.0071  | 0.0057  | 0.0074  | 0.007   | 0.0056  | 0.0047  | 0.0045  | 0.0044  | <0.005  | <0.005  | <0.0050 | 0.0037  | 0.0031  | 0.0031  | 0.0033  |      |
| Selenium                     | mg/L   | 0.0248  | 0.0231  |        |        | 0.0214  |        | 0.0269  |        |        | 0.0378  |        |        | 0.0317  | 0.0260  | 0.0211  | 0.0339  | 0.0195  | 0.      |         |         |         |         |         |         |         |         |         |         |      |

Notes & Definitions:

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one-time analysis

Y/N

yes or no

gpm

gallons per minute

deg C

degrees Celsius

SU

standard pH units

## GCC Energy Hydrologic Monitoring Data

| MW-6-A                       |        |        |        |        |        |        |        |        |        |        |      |        |        |        |        |        |        |        |        |        |        |
|------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Year                         | 2018   | 2019   |        |        |        |        |        |        |        |        |      | 2020   |        |        |        | 2021   |        |        |        | 2022   |        |
| Quarter                      | Q4     | Q1     |        |        | Q2     |        |        | Q3     |        |        | Q4   | Q1     | Q2     | Q3     | Q4     | Q1     | Q2     | Q3     | Q4     | Q1     |        |
| Month                        | 12     | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      | 11   | 2      | 5      | 8      | 11     | 2      | 5      | 8      | 11     | 2      |        |
| 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   |        |
| Lab Analysis (Y/N)           | Y      | N      | Y      | N      | N      | Y      | N      | N      | Y      | N      | Y    | Y      | Y      | Y      | Y      | Y      | Y      | Y      | Y      | Y      |        |
| 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   |
| 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    |        |
| 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 |
| 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   |
| 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   |
| Specific Conductance         | µS/cm  | 6573   | 6053   | 6072   | 6107   | 6012   | 6057   | 5725   | 5598   | 5562   | 5451 | 5108   | 5043   | 4779   | 4339   | 4656   | 4051   | 3198   | 4238   | 4465   | 4486   |
| 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  |
| Lab Analytical Results:      |        |        |        |        |        |        |        |        |        |        |      |        |        |        |        |        |        |        |        |        |        |
| Hardness as CaCO3            | mg/L   | 4360   |        | 4190   |        |        | 3920   |        |        | 3540   |      | 3070   | 3200   | 2780   | 2690   | 2710   | 2660   | 2550   | 2740   | 2510   | 2440   |
| pH (Lab)                     | SU     | 7.10   |        | 6.85   |        |        | 6.77   |        |        | 6.85   |      | 6.87   | 6.9    | 6.93   | 6.66   | 7.04   | 7.20   | 6.93   | 7.1    | 6.98   | 7.19   |
| Total Dissolved Solids (Lab) | mg/L   | 6520   |        | 6520   |        |        | 120*   |        |        | 6080   |      | 5210   | 4980   | 4670   | 4490   | 4570   | 4480   | 4390   | 4440   | 4310   | 4440   |
| Calcium                      | mg/L   | 615    |        | 559    |        |        | 553    |        |        | 492    |      | 431    | 467    | 400    | 398    | 406    | 398    | 378    | 415    | 370    | 359    |
| Magnesium                    | mg/L   | 687    |        | 678    |        |        | 617    |        |        | 560    |      | 484    | 495    | 431    | 411    | 413    | 404    | 390    | 413    | 385    | 374    |
| Sodium                       | mg/L   | 294    |        | 283    |        |        | 296    |        |        | 304    |      | 276    | 296    | 274    | 261    | 273    | 272    | 266    | 263    | 254    | 257    |
| Potassium                    | mg/L   | 15.0   |        | 14.4   |        |        | 12.4   |        |        | 12.8   |      | 11.1   | <20.0  | 10.6   | 10.3   | 10.5   | 11.1   | 10.7   | 11     | 10.4   | 10.7   |
| Alkalinity, Total            | mg/L   | 160    |        | 160    |        |        | 143    |        |        | 183    |      | 220    | 215    | 233    | 236    | 246    | 245    | 290    | 255    | 295    | 285    |
| Alkalinity, Bicarbonate      | mg/L   | 160    |        | 160    |        |        | 143    |        |        | 183    |      | 220    | 215    | 233    | 236    | 246    | 245    | 290    | 255    | 295    | 285    |
| 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   | 97.4   |        | 28.6   |        |        | 27.3   |        |        | 29.9   |      | 29.6   | 28.4   | 29.0   | 26.0   | 26.6   | 24.9   | 25.8   | 26     | 26.6   | 26.2   |
| Fluoride                     | mg/L   | 2.83   |        | <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    |        | 4300   |        |        | 4280   |        |        | 4260   |      | 3460   | 3080   | 3020   | 3160   | 2890   | 2620   | 2740   | 2780   | 2790   | 2870   |
| 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   |
| Nitrate/Nitrite as N         | mg/L   | <0.020 |        | <0.020 |        |        | <0.020 |        |        | <0.020 |      |        |        |        |        |        |        |        |        |        |        |

**Notes & Definitions:**

\* Anomalous value under review

- ^ one-time analysis

Y/N    yes or no

**gpm**    gallons per minute

deg C    degrees Celsius

**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)

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-6-MI                      |        |         |        |         |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |
|------------------------------|--------|---------|--------|---------|--------|----------------|--------|------|------|------|------|------|------|------|------|-------|------|------|-----|------|------|
| Year                         | 2018   | 2019    |        |         |        |                |        |      |      |      |      |      | 2020 |      |      |       | 2021 |      |     |      | 2022 |
| Quarter                      | Q4     | Q1      |        |         | Q2     |                |        |      | Q3   |      |      | Q4   | Q1   | Q2   | Q3   | Q4    | Q1   | Q2   | Q3  | Q4   | Q1   |
| Month                        | 12     | 1       | 2      | 3       | 4      | 5              | 5      | 6    | 7    | 8    | 9    | 11   | 2    | 5    | 8    | 11    | 2    | 5    | 8   | 11   | 2    |
| 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 |
| 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    |
| Field Parameters:            |        |         |        |         |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |
| Purge Flow Rate              | gpm    | NM      | NM     | NM      | 0.5    | 0.1            | 0.015  | 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     |        | 23.4    |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |
| Magnesium                    | mg/L   | 102     |        | 21.6    |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |
| Sodium                       | mg/L   | 646     |        | 565     |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |
| Potassium                    | mg/L   | 12.0    |        | 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     |        | 178     |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |
| Fluoride                     | mg/L   | 2.06    |        | 2.46    |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |
| Sulfate as SO4               | mg/L   | 1210    |        | 585     |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |
| 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   | 0.0500  |        | 0.0224  |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |
| Mercury                      | mg/L   | <0.0002 |        | <0.0002 |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |
| Molybdenum                   | mg/L   | 0.0558  |        | 0.0690  |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |
| Selenium                     | mg/L   | 0.0098  |        | 0.0127  |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |
| Silica (SiO2)                | mg/L   | 9.93    |        | 9.05    |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |
| Silicon                      | mg/L   | 4.64    |        | 4.23    |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |
| Uranium                      | mg/L   | 0.0200  |        | 0.0118  |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |
| Zinc                         | mg/L   | 0.0092  |        | 0.0143  |        |                |        |      |      |      |      |      |      |      |      |       |      |      |     |      |      |

**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

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

mV millivolts

mg/L milligram per liter

pCi/L picocuries per liter

NM not measured (field)

NA not analyzed (lab)

NA = not analyzed (lab)

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 |
| Quarter                      | Q4     | Q1   |      |      | Q2   |      |      | Q3   |      |      | Q4   | Q1   | Q2   | Q3   | Q4    | Q1   | Q2   | Q3  | Q4   | Q1   |
| Month                        | 12     | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 11   | 2    | 5    | 8    | 11    | 2    | 5    | 8   | 11   | 2    |
| 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 |
| Lab Analysis (Y/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  |
| 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                      | mg/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                  | 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.                                                                    |
| mg/L                 | milligram per liter         |                                                                                                                                                                                                                                                                                                                                      |
| pCi/L                | picocuries per liter        |                                                                                                                                                                                                                                                                                                                                      |
| NM                   | not measured (field)        |                                                                                                                                                                                                                                                                                                                                      |
| NA                   | not analyzed (lab)          |                                                                                                                                                                                                                                                                                                                                      |

GCC Energy Hydrologic Monitoring Data

| MW-6-LM                      |        |         |        |         |        |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |
|------------------------------|--------|---------|--------|---------|--------|--------|---------|--------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                         | 2018   | 2019    |        |         |        |        |         |        |        |         |        | 2020   |         |         |         | 2021    |         |         |         | 2022    |         |
| Quarter                      | Q4     | Q1      |        |         | Q2     |        |         | Q3     |        |         | Q4     |        | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      |
| Month                        | 12     | 1       | 2      | 3       | 4      | 5      | 6       | 7      | 8      | 9       | 10     | 11     | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 2       |
| 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    |
| 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       |
| Field Parameters:            |        |         |        |         |        |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |
| Purge Flow Rate              | gpm    | NM      | NM     | 0.06    | 2.00   | 0.03   | 0.03    | 0.10   | 0.06   | 0.03    | 0.02   | 0.01   | 0.03    | 0.01    | 0.13    | 0.01    | 0.13    | 0.13    | 0.13    | 0.13    | 0.13    |
| Total Purged                 | gal    | 0.5     | 0.5    | 1.5     | 2.0    | 2.0    | 2.3     | 1.3    | 1.3    | 1.8     | 2.0    | 1.5    | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 2.0     | 1.0     |
| 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  |
| 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    |
| 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    |
| Specific Conductance         | µS/cm  | 6011    | 3784   | 3503    | 1461   | 1164   | 1296    | 1400   | 1272   | 1532    | 2104   | 2267   | 2113    | 2283    | 2287    | 2442    | 2495    | 2136    | 1629    | 2531    | 2478    |
| 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   |
| Lab Analytical Results:      |        |         |        |         |        |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3            | mg/L   | 2260    |        | 1270    |        |        | 431     |        |        | 621     |        |        | 843     | 1060    | 965     | 1130    | 1160    | 1120    | 1010    | 1280    | 1130    |
| 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    |
| Total Dissolved Solids (Lab) | mg/L   | 5100    |        | 2840    |        |        | 875     |        |        | 1150    |        |        | 1630    | 1840    | 1840    | 2040    | 2020    | 1990    | 1830    | 2290    | 2050    |
| Calcium                      | mg/L   | 367     |        | 216     |        |        | 75.9    |        |        | 103     |        |        | 136     | 173     | 150     | 179     | 184     | 176     | 154     | 201     | 174     |
| Magnesium                    | mg/L   | 325     |        | 177     |        |        | 58.7    |        |        | 88.3    |        |        | 122     | 153     | 143     | 165     | 171     | 166     | 152     | 189     | 170     |
| Sodium                       | mg/L   | 459     |        | 248     |        |        | 129     |        |        | 153     |        |        | 172     | 203     | 188     | 194     | 194     | 188     | 169     | 177     | 166     |
| Potassium                    | mg/L   | 173     |        | 64.5    |        |        | 14.0    |        |        | 13.7    |        |        | 11.3    | 11      | 7.82    | 7.20    | 6.04    | 5.96    | 5.22    | 5.69    | 4.99    |
| Alkalinity, Total            | mg/L   | 205     |        | 315     |        |        | 371     |        |        | 381     |        |        | 355     | 320     | 353     | 335     | 329     | 336     | 346     | 330     | 380     |
| Alkalinity, Bicarbonate      | mg/L   | 205     |        | 315     |        |        | 371     |        |        | 381     |        |        | 355     | 320     | 353     | 335     | 329     | 336     | 346     | 330     | 380     |
| 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   |
| 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   |
| Chloride                     | mg/L   | 256     |        | 43.7    |        |        | 5.73    |        |        | 8.70    |        |        | 11.4    | 11      | 11.7    | 12.2    | 12.4    | 11      | 10.5    | 12.6    | 11.1    |
| 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   |
| Sulfate as SO4               | mg/L   | 3050    |        | 1790    |        |        | 338     |        |        | 492     |        |        | 830     | 951     | 904     | 1260    | 1170    | 1020    | 978     | 1300    | 1100    |
| 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    |
| 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  |
| Ammonia as N ^               | mg/L   | NA      |        | NA      |        |        | NA      |        |        | NA      |        |        | 1.99    | 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      |
| 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  |
| 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  |
| 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 |
| 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  |
| Iron                         | 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  |
| Lead                         | mg/L   | <0.0025 |        | <0.0025 |        |        | <0.0005 |        |        | <0.0005 |        |        | <0.0010 | <0.001  | <0.0025 | <0.0015 | <0.0025 | <0.0025 | <0.0015 | <0.0010 | <0.0010 |
| Manganese                    | mg/L   | 0.383   |        | 0.223   |        |        | 0.0692  |        |        | 0.148   |        |        | 0.166   | 0.184   | 0.171   | 0.267   | 0.292   | 0.253   | 0.203   | 0.257   | 0.263   |
| Mercury                      | 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 |
| Molybdenum                   | mg/L   | 0.0490  |        | 0.0169  |        |        | 0.0037  |        |        | 0.0025  |        |        | 0.0022  | 0.002   | <0.0025 | 0.0023  | <0.0025 | <0.0025 | <0.0015 | 0.0016  | 0.0013  |
| Selenium                     | mg/L   | 0.0080  |        | <0.0050 |        |        | <0.0010 |        |        | <0.0010 |        |        | <0.0020 | <0.002  | <0.0050 | <0.0030 | <0.0050 | 0.0151  | <0.0030 | <0.0020 | <0.0040 |
| Silica (SiO2)                | mg/L   | 10.5    |        | 13.5    |        |        | 17.0    |        |        | 17.4    |        |        | 15.9    | 17.1    | 15.1    | 14.7    | 16.0    | 15.6    | 16.4    | 16.8    | 16.6    |
| Silicon                      | mg/L   | 4.91    |        | 6.29    |        |        | 7.96    |        |        | 8.12    |        |        | 7.43    | 7.97    | 7.07    | 6.88    | 7.47    | 7.3     | 7.68    | 7.85    | 7.75    |
| Uranium                      | mg/L   | 0.0230  |        | 0.0075  |        |        | 0.0039  |        |        | 0.0054  |        |        | 0.0047  | 0.0055  | 0.0043  | 0.0046  | 0.0042  | 0.0039  | 0.0030  | 0.0037  | 0.0032  |
| Zinc                         | mg/L   | 0.0323  |        | <0.0100 |        |        | <0.0020 |        |        | <0.0040 |        |        | <0.0040 | <0.004  | <0.0100 | 0.0069  | <0.0100 | <0.0100 | <0.0060 | <0.0040 | <0.0040 |

Notes & Definitions:

^ one-time analysis

Y/N yes or no

gpm gallons per minute

deg C degrees Celsius

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)

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 CaCO3.

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-7-EAA                     |        |         |       |         |       |       |         |       |       |         |       |       |         |         |         |         |         |         |         |         |         |         |
|------------------------------|--------|---------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                         |        | 2018    | 2019  |         |       |       |         |       |       |         |       |       | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |
| Quarter                      |        | Q4      | Q1    |         |       | Q2    |         |       | Q3    |         |       | Q4    |         | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      |
| Month                        |        | 12      | 1     | 2       | 3     | 4     | 5       | 6     | 7     | 8       | 9     | 10    | 11      | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 3       |
| 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    |
| 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       |
| 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    | 1.00    | 0.25    | 0.13    | 0.25    | 0.25    | 0.13    | 0.25    | 0.25    | 0.25    |
| 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  | 15.0    | 36.5    | 15.0    | 16.0    | 17.0    | 15.0    | 17.0    | 17.0    | 18.0    | 18.0    |
| 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 | 36.85   | 36.72   | 35.40   | 36.35   | 37.10   | 36.20   | 35.33   | 36.91   | 35.92   | 35.90   |
| 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    | 10.3    | 10.1    | 10.5    | 10.9    | 10.6    | 10.5    |
| 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    |
| 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    |
| 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  |
| Lab Analytical Results:      |        |         |       |         |       |       |         |       |       |         |       |       |         |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3            | mg/L   | 936     |       | 1030    |       |       | 982     |       |       | 997     |       |       | 1020    | 963     | 1020    | 1080    | 939     | 1090    | 958     | 986     | 957     | 1040    |
| pH (Lab)                     | SU     | 7.2     |       | 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    |
| Total Dissolved Solids (Lab) | mg/L   | 1460    |       | 1480    |       |       | 1490    |       |       | 1480    |       |       | 1530    | 1520    | 1430    | 1480    | 1450    | 1590    | 1460    | 1510    | 1580    | 1500    |
| Calcium                      | mg/L   | 170     |       | 179     |       |       | 171     |       |       | 173     |       |       | 162     | 165     | 175     | 183     | 157     | 186     | 167     | 167     | 164     | 173     |
| Magnesium                    | mg/L   | 124     |       | 142     |       |       | 135     |       |       | 137     |       |       | 144     | 134     | 142     | 150     | 133     | 152     | 131     | 138     | 133     | 149     |
| Sodium                       | mg/L   | 75.3    |       | 81.3    |       |       | 75.0    |       |       | 75.2    |       |       | 74.9    | 73.7    | 76.0    | 80.9    | 73.4    | 81.4    | 75      | 74.6    | 72.0    | 77.8    |
| Potassium                    | mg/L   | 3.87    |       | 3.9     |       |       | <5.00   |       |       | 3.74    |       |       | 3.74    | 3.82    | <5.00   | <5.00   | <5.00   | 4.25    | <5.00   | <5.00   | 3.69    | 3.88    |
| Alkalinity, Total            | mg/L   | 380     |       | 367     |       |       | 405     |       |       | 392     |       |       | 350     | 357     | 355     | 268     | 430     | 420     | 395     | 340     | 440     | 425     |
| Alkalinity, Bicarbonate      | mg/L   | 380     |       | 367     |       |       | 405     |       |       | 392     |       |       | 425     | 357     | 355     | 268     | 430     | 420     | 395     | 340     | 440     | 425     |
| 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   | 11.9    |       | 10.7    |       |       | 10.8    |       |       | 10.9    |       |       | 11.6    | 10.3    | 10.7    | 10.2    | 10.1    | 10.4    | 10.1    | 10.5    | 10.3    | 10.1    |
| 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   |
| Sulfate as SO4               | mg/L   | 732     |       | 736     |       |       | 733     |       |       | 844     |       |       | 746     | 774     | 803     | 767     | 742     | 757     | 746     | 796     | 751     | 755     |
| 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    |
| 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  |
| Ammonia as N ^               | mg/L   | NA      |       | NA      |       |       | NA      |       |       | NA      |       |       | 0.178   | 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      |
| 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  |
| 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  |
| 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 |
| 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  |
| Iron                         | mg/L   | 1.82    |       | 1.95    |       |       | 1.81    |       |       | 2.12    |       |       | 2.00    | 1.84    | 1.71    | 2.16    | 2.15    | 2.08    | 1.92    | 1.75    | 1.63    | 2.05    |
| Lead                         | mg/L   | <0.0005 |       | <0.0010 |       |       | <0.0005 |       |       | <0.0005 |       |       | <0.0010 | <0.001  | <0.0010 | <0.0015 | <0.0025 | <0.0005 | <0.0025 | <0.0025 | <0.0010 | <0.0025 |
| Manganese                    | mg/L   | 3.72    |       | 4.49    |       |       | 4.01    |       |       | 4.22    |       |       | 4.76    | 4.86    | 3.63    | 4.49    | 4.42    | 5.22    | 4.21    | 4.39    | 4.66    | 4.48    |
| Mercury                      | 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 |
| Molybdenum                   | mg/L   | 0.0008  |       | 0.0011  |       |       | 0.0007  |       |       | 0.0009  |       |       | <0.0010 | 0.001   | <0.0010 | <0.0015 | <0.0025 | 0.0006  | <0.0025 | <0.0025 | <0.0010 | 0.0007  |
| Selenium                     | mg/L   | <0.0020 |       | <0.0020 |       |       | <0.0010 |       |       | 0.0011  |       |       | <0.0020 | <0.002  | <0.0020 | <0.0030 | <0.0050 | <0.0010 | <0.0050 | <0.0050 | <0.0020 | <0.0010 |
| Silica (SiO2)                | mg/L   | 16.6    |       | 16.1    |       |       | 16.1    |       |       | 16.9    |       |       | 16.8    | 16.4    | 15.8    | 16.9    | 14.9    | 17.7    | 17.1    | 16.7    | 17.2    | 18.3    |
| Silicon                      | mg/L   | 7.75    |       | 7.52    |       |       | 7.55    |       |       | 7.90    |       |       | 7.83    | 7.67    | 7.37    | 7.91    | 6.96    | 8.28    | 7.97    | 7.81    | 8.03    | 8.57    |
| Uranium                      | mg/L   | 0.0021  |       | 0.0018  |       |       | 0.0017  |       |       | 0.0018  |       |       | 0.0020  | 0.0019  | 0.0016  | 0.0018  | <0.0025 | 0.0018  | <0.0025 | <0.0025 | 0.0015  | <0.0025 |
| Zinc                         | mg/L   | <0.0050 |       | <0.0040 |       |       | 0.0021  |       |       | 0.0020  |       |       | <0.0040 | <0.004  | <0.0040 | <0.0060 | <0.0100 | 0.0022  | <0.0100 | <0.0100 | <0.0040 | <0.0020 |

| Notes & Definitions: |                             |                                                                                                                                                                                                                                                                                                                                      |
|----------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ^                    | one-time analysis           |                                                                                                                                                                                                                                                                                                                                      |
| Y/N                  | yes or no                   |                                                                                                                                                                                                                                                                                                                                      |
| gpm                  | gallons per minute          |                                                                                                                                                                                                                                                                                                                                      |
| deg C                | degrees Celsius             |                                                                                                                                                                                                                                                                                                                                      |
| 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)          |                                                                                                                                                                                                                                                                                                                                      |
|                      |                             | 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 CaCO3. |
|                      |                             | 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-8-EAA                     |        |         |       |         |       |       |         |       |       |         |       |       |         |         |         |         |         |         |         |         |         |
|------------------------------|--------|---------|-------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                         | 2018   | 2019    |       |         |       |       |         |       |       |         |       |       | 2020    |         |         |         | 2021    |         |         |         | 2022    |
| Quarter                      | Q4     | Q1      |       |         | Q2    |       |         | Q3    |       |         | Q4    |       | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      |
| Month                        | 12     | 1       | 2     | 3       | 4     | 5     | 6       | 7     | 8     | 9       | 10    | 11    | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 3       |
| 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    |
| 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       |
| 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    |
| 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    | 15.0    |
| 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   |
| 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    |
| 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    |
| Specific Conductance         | µS/cm  | 1781    | 1696  | 1720    | 1725  | 1729  | 1628    | 1676  | 1699  | 172     | 1739  | 1774  | 1739    | 1758    | 1760    | 1675    | 1716    | 1570    | 1642    | 1671    | 1746    |
| 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   |
| Lab Analytical Results:      |        |         |       |         |       |       |         |       |       |         |       |       |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3            | mg/L   | 870     |       | 861     |       |       | 864     |       |       | 883     |       |       | 867     | 861     | 907     | 937     | 810     | 914     | 838     | 859     | 859     |
| pH (Lab)                     | SU     | 7.28    |       | 7.36    |       |       | 7.13    |       |       | 7.05    |       |       | 7.01    | 7.11    | 6.96    | 7.18    | 7.1     | 7.03    | 6.97    | 7.06    | 6.81    |
| Total Dissolved Solids (Lab) | mg/L   | 1220    |       | 1290    |       |       | 1240    |       |       | 1280    |       |       | 1380    | 1290    | 1260    | 1280    | 1310    | 1400    | 1320    | 1320    | 1340    |
| Calcium                      | mg/L   | 152     |       | 151     |       |       | 148     |       |       | 154     |       |       | 143     | 149     | 153     | 160     | 134     | 156     | 146     | 146     | 149     |
| Magnesium                    | mg/L   | 119     |       | 118     |       |       | 120     |       |       | 121     |       |       | 124     | 119     | 127     | 130     | 115     | 127     | 115     | 120     | 118     |
| 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    |
| Potassium                    | mg/L   | 3.80    |       | 3.27    |       |       | 3.55    |       |       | 3.18    |       |       | 3.52    | 3.8     | <5.00   | <5.00   | <5.00   | 3.63    | 3.49    | <5.00   | 3.36    |
| Alkalinity, Total            | mg/L   | 400     |       | 435     |       |       | 450     |       |       | 431     |       |       | 445     | 404     | 385     | 288     | 480     | 450     | 445     | 385     | 490     |
| Alkalinity, Bicarbonate      | mg/L   | 400     |       | 435     |       |       | 450     |       |       | 431     |       |       | 445     | 404     | 385     | 288     | 480     | 450     | 445     | 385     | 490     |
| 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   |
| 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   |
| Chloride                     | mg/L   | 9.83    |       | 10.5    |       |       | 10.3    |       |       | 11.1    |       |       | 11.0    | 10.2    | 10.3    | 10.1    | 11.3    | 10.4    | 10.2    | 10.3    | 10.5    |
| Fluoride                     | mg/L   | 0.380   |       | 0.370   |       |       | 0.338   |       |       | 0.342   |       |       | <0.500  | 0.33    | 0.346   | 0.336   | 0.334   | 0.292   | 0.306   | 0.35    | 0.272   |
| Sulfate as SO4               | mg/L   | 533     |       | 559     |       |       | 606     |       |       | 643     |       |       | 577     | 602     | 625     | 605     | 582     | 609     | 595     | 615     | 599     |
| 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    |
| 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  |
| Ammonia as N ^               | mg/L   | 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      |
| 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  |
| 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  |
| 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 |
| Copper                       | mg/L   | 0.0004  |       | 0.0024  |       |       | 0.0023  |       |       | 0.0008  |       |       | 0.0010  | 0.001   | <0.0010 | <0.0015 | <0.0025 | <0.0015 | <0.0015 | <0.0025 | 0.0017  |
| Iron                         | mg/L   | 2.12    |       | 2.13    |       |       | 2.42    |       |       | 2.46    |       |       | 2.30    | 2.28    | 2.29    | 2.31    | 0.762   | 2.33    | 2.25    | 2.2     | 2.22    |
| Lead                         | mg/L   | <0.0005 |       | <0.0010 |       |       | <0.0005 |       |       | <0.0005 |       |       | <0.0005 | <0.001  | <0.0010 | <0.0015 | <0.0025 | <0.0015 | <0.0015 | <0.0025 | <0.001  |
| Manganese                    | mg/L   | 3.17    |       | 3.52    |       |       | 3.06    |       |       | 3.37    |       |       | 3.39    | 3.7     | 3.36    | 3.54    | 3.81    | 3.55    | 3.5     | 3.6     | 3.66    |
| Mercury                      | 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 |
| Molybdenum                   | mg/L   | 0.0009  |       | 0.0011  |       |       | 0.0008  |       |       | 0.0011  |       |       | 0.0008  | <0.0010 | <0.0010 | <0.0015 | <0.0025 | <0.0015 | <0.0015 | <0.0025 | <0.0010 |
| Selenium                     | mg/L   | <0.0020 |       | <0.0020 |       |       | 0.0010  |       |       | 0.0013  |       |       | <0.0010 | <0.0020 | <0.0020 | <0.0030 | <0.0050 | 0.0046  | <0.003  | <0.0050 | 0.0035  |
| Silica (SiO2)                | mg/L   | 16.3    |       | 15.3    |       |       | 15.7    |       |       | 16.1    |       |       | 15.9    | 15.7    | 15.0    | 16.1    | 14.2    | 16.0    | 16.5    | 15.5    | 16.4    |
| Silicon                      | mg/L   | 7.63    |       | 7.15    |       |       | 7.32    |       |       | 7.52    |       |       | 7.42    | 7.32    | 7.02    | 7.53    | 6.63    | 7.48    | 7.72    | 7.24    | 7.68    |
| Uranium                      | mg/L   | 0.0021  |       | 0.0017  |       |       | 0.0016  |       |       | 0.0018  |       |       | 0.0019  | 0.0019  | 0.0017  | 0.0017  | <0.0025 | 0.0016  | 0.0016  | <0.0025 | 0.0015  |
| Zinc                         | mg/L   | <0.0050 |       | <0.0040 |       |       | <0.0020 |       |       | <0.0020 |       |       | <0.0020 | <0.0040 | <0.0040 | <0.0060 | <0.0100 | <0.0060 | <0.0060 | <0.0100 | <0.0040 |

| Notes & Definitions: |  |                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| ^                    |  | one-time analysis                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Y/N                  |  | yes or no                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| gpm                  |  | gallons per minute                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| deg C                |  | degrees Celsius                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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)                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                      |  | 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 CaCO3. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                      |  | 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-8-MI                      |        |         |        |         |        |       |         |       |        |         |       |       |         |         |         |         |         |         |         |         |         |
|------------------------------|--------|---------|--------|---------|--------|-------|---------|-------|--------|---------|-------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                         | 2018   | 2019    |        |         |        |       |         |       |        |         |       |       | 2020    |         |         |         | 2021    |         |         |         | 2022    |
| Quarter                      | Q4     | Q1      |        |         | Q2     |       |         | Q3    |        |         | Q4    |       | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      |
| Month                        | 12     | 1       | 2      | 3       | 4      | 5     | 6       | 7     | 8      | 9       | 10    | 11    | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 3       |
| 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    |
| 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       |
| 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    |
| Total Purged                 | gal    | 27.5    | 18.0   | 1.0     | 3.0    | 1.5   | 2.5     | 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     |
| 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   |
| 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    |
| 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    |
| Specific Conductance         | µS/cm  | 1786    | 1667   | 1651    | 1658   | 1643  | 1595    | 1639  | 1645   | 1658    | 1637  | 1689  | 1642    | 1651    | 1659    | 1598    | 1628    | 1468    | 1616    | 1554    | 1629    |
| 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  |
| Lab Analytical Results:      |        |         |        |         |        |       |         |       |        |         |       |       |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3            | mg/L   | 167     |        | 249     |        |       | 273     |       |        | 253     |       |       | 267     | 254     | 309     | 355     | 339     | 376     | 288     | 377     | 406     |
| 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    |
| Total Dissolved Solids (Lab) | mg/L   | 1050    |        | 1030    |        |       | 1100    |       |        | 1110    |       |       | 1050    | 1060    | 1040    | 1010    | 1040    | 1060    | 1040    | 1000    | 1100    |
| Calcium                      | mg/L   | 34.0    |        | 48.5    |        |       | 52.4    |       |        | 49.7    |       |       | 51.3    | 48.7    | 58.5    | 65.9    | 62.6    | 69.7    | 54      | 70.3    | 59.8    |
| 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    |
| Sodium                       | mg/L   | 344     |        | 312     |        |       | 289     |       |        | 289     |       |       | 275     | 269     | 272     | 260     | 232     | 237     | 256     | 229     | 238     |
| 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    |
| Alkalinity, Total            | mg/L   | 500     |        | 565     |        |       | 560     |       |        | 573     |       |       | 585     | 543     | 545     | 448     | 590     | 590     | 575     | 570     | 605     |
| Alkalinity, Bicarbonate      | mg/L   | 500     |        | 565     |        |       | 560     |       |        | 573     |       |       | 585     | 543     | 545     | 448     | 590     | 590     | 575     | 570     | 605     |
| 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   |
| 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   |
| Chloride                     | mg/L   | 12.7    |        | 10.0    |        |       | 9.33    |       |        | 9.06    |       |       | 9.66    | 8.19    | 8.23    | 8.12    | 7.91    | 7.96    | 8.07    | 7.85    | 7.91    |
| 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  |
| Sulfate as SO4               | mg/L   | 347     |        | 353     |        |       | 343     |       |        | 366     |       |       | 317     | 314     | 316     | 335     | 319     | 326     | 314     | 324     | 312     |
| Total Organic Carbon (TOC)   | mg/L   | 2.73    |        | 2.83    |        |       | 2.81    |       |        | 2.74    |       |       | 2.65    | 2.6     | 2.94    | 2.87    | 2.76    | 2.6     | 2.74    | 2.97    | 2.66    |
| 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  |
| Ammonia as N ^               | mg/L   | NA      |        | NA      |        |       | NA      |       |        | NA      |       |       | 1.31    | 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      |
| 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  |
| 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 |
| 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 |
| 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  |
| Iron                         | mg/L   | 0.137   |        | 0.162   |        |       | <0.250  |       |        | 0.129   |       |       | 0.130   | 0.108   | <0.250  | <0.250  | <0.250  | <0.150  | 0.113   | <0.250  | 0.168   |
| Lead                         | mg/L   | <0.0005 |        | <0.0010 |        |       | <0.0005 |       |        | <0.0005 |       |       | <0.0005 | <0.0010 | <0.0025 | <0.0015 | <0.0025 | <0.0015 | <0.0015 | <0.0025 | <0.0010 |
| Manganese                    | mg/L   | 0.0495  |        | 0.0383  |        |       | 0.0327  |       |        | 0.0351  |       |       | 0.0377  | 0.0391  | 0.0393  | 0.0551  | 0.0546  | 0.0579  | 0.0412  | 0.0544  | 0.0443  |
| Mercury                      | 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 |
| Molybdenum                   | mg/L   | 0.0005  |        | <0.0010 |        |       | <0.0005 |       |        | <0.0005 |       |       | <0.0005 | <0.001  | <0.0010 | <0.0015 | <0.0025 | <0.0015 | <0.0015 | <0.0025 | <0.0010 |
| Selenium                     | mg/L   | <0.0020 |        | <0.0020 |        |       | 0.0010  |       |        | 0.0010  |       |       | <0.0010 | <0.0020 | 0.0020  | <0.0030 | <0.0050 | 0.0425  | 0.0037  | 0.0072  | 0.0264  |
| Silica (SiO2)                | mg/L   | 12.1    |        | 12.4    |        |       | 12.8    |       |        | 12.5    |       |       | 12.6    | 12.2    | 11.9    | 12.9    | 12.1    | 13.5    | 13.2    | 13.6    | 13.7    |
| Silicon                      | mg/L   | 5.65    |        | 5.78    |        |       | 5.99    |       |        | 5.83    |       |       | 5.88    | 5.71    | 5.55    | 6.05    | 5.67    | 6.32    | 6.17    | 6.35    | 6.39    |
| Uranium                      | mg/L   | 0.0002  |        | 0.0002  |        |       | 0.0002  |       |        | 0.0001  |       |       | 0.0001  | <0.0010 | <0.0025 | <0.0015 | <0.0025 | <0.0015 | <0.0015 | <0.0025 | <0.0010 |
| Zinc                         | mg/L   | <0.0050 |        | <0.0040 |        |       | <0.0020 |       |        | <0.0020 |       |       | <0.0020 | <0.0040 | <0.0040 | <0.0060 | <0.0100 | <0.0060 | <0.0060 | <0.0100 | <0.0040 |

| Notes & Definitions: |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ^                    | one-time analysis           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Y/N                  | yes or no                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| gpm                  | gallons per minute          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| deg C                | degrees Celsius             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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)          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                      |                             | <div><div>1. "&lt;" 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.</div><div>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.</div><div>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.</div></div> |

GCC Energy Hydrologic Monitoring Data

| MW-8-LM                      |        |         |        |         |        |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |
|------------------------------|--------|---------|--------|---------|--------|--------|---------|--------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                         | 2018   | 2019    |        |         |        |        |         |        |        |         |        |        | 2020    |         |         |         | 2021    |         |         |         | 2022    |         |
| Quarter                      | Q4     | Q1      |        |         | Q2     |        |         | Q3     |        |         | Q4     |        | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      |         |
| Month                        | 12     | 1       | 2      | 3       | 4      | 5      | 6       | 7      | 8      | 9       | 10     | 11     | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 3       |         |
| 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    |         |
| 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       |         |
| 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    | 0.25    |
| Total Purged                 | gal    | 30      | 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     | 2.0     | 1.5     | 1.0     | 1.0     | 1.0     |
| 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  |
| 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    |
| 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    |
| 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    |
| 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  |
| Lab Analytical Results:      |        |         |        |         |        |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3            | mg/L   | 45.0    |        | 7.29    |        |        | 16.9    |        |        | 6.67    |        |        | 6.38    | 6.79    | 7.76    | 7.53    | 6.35    | 6.93    | 7.23    | 4.65    | 7.11    | 7.29    |
| 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    |
| Total Dissolved Solids (Lab) | mg/L   | 1420    |        | 770     |        |        | 780     |        |        | 785     |        |        | 780     | 840     | 730     | 740     | 700     | 795     | 720     | 740     | 760     | 740     |
| Calcium                      | mg/L   | 10.8    |        | 1.93    |        |        | 3.84    |        |        | 1.78    |        |        | 1.68    | 1.77    | 2.09    | 2.05    | 1.71    | 1.87    | 1.92    | 1.86    | 1.88    | 1.96    |
| Magnesium                    | mg/L   | 4.39    |        | 0.600   |        |        | 1.77    |        |        | 0.541   |        |        | 0.528   | 0.574   | 0.620   | 0.587   | 0.502   | 0.550   | 0.592   | <0.500  | 0.587   | 0.580   |
| Sodium                       | mg/L   | 382     |        | 341     |        |        | 317     |        |        | 306     |        |        | 305     | 309     | 315     | 337     | 304     | 319     | 315     | 308     | 291     | 316     |
| Potassium                    | mg/L   | 45.7    |        | 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    |
| Alkalinity, Total            | mg/L   | 615     |        | 720     |        |        | 745     |        |        | 731     |        |        | 745     | 685     | 630     | 675     | 780     | 730     | 755     | 750     | 770     | 780     |
| Alkalinity, Bicarbonate      | mg/L   | 535     |        | 610     |        |        | 645     |        |        | 645     |        |        | 685     | 595     | 530     | 585     | 680     | 630     | 645     | 650     | 620     | 640     |
| Alkalinity, Carbonate        | mg/L   | 80.0    |        | 110     |        |        | 100     |        |        | 86.0    |        |        | 60.0    | 90      | 100     | 90      | 100     | 100     | 110     | 100     | 150     | 140     |
| 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   | 175     |        | 5.11    |        |        | 6.80    |        |        | 2.63    |        |        | 2.48    | 3.04    | 3.01    | 2.98    | 2.47    | 2.5     | 2.48    | 2.55    | 2.47    | 2.47    |
| Fluoride                     | mg/L   | 2.06    |        | 3.91    |        |        | 3.95    |        |        | 3.97    |        |        | 3.88    | 3.61    | 3.63    | 3.53    | 3.66    | 3.58    | 3.48    | 3.67    | 3.40    | 3.44    |
| Sulfate as SO4               | mg/L   | 190     |        | 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   |
| Total Organic Carbon (TOC)   | mg/L   | 2.80    |        | 1.80    |        |        | 3.33    |        |        | 1.94    |        |        | 1.69    | 1.69    | 1.92    | 1.82    | 1.66    | 1.2     | 1.71    | 1.79    | 1.60    | 1.70    |
| 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  |
| Ammonia as N ^               | mg/L   | NA      |        | NA      |        |        | NA      |        |        | NA      |        |        | 0.282   | 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      |
| 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  |
| 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  |
| 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 |
| 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  |
| Iron                         | 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  |
| Lead                         | mg/L   | <0.0005 |        | <0.0010 |        |        | <0.0005 |        |        | <0.0005 |        |        | <0.0010 | <0.0005 | <0.0010 | <0.0015 | <0.0025 | <0.0015 | <0.0015 | <0.0025 | <0.0010 | <0.0025 |
| Manganese                    | mg/L   | 0.0258  |        | 0.0038  |        |        | 0.0150  |        |        | 0.0020  |        |        | 0.0026  | 0.0025  | 0.0029  | 0.0026  | 0.0028  | 0.0024  | 0.0021  | 0.0025  | 0.0023  | 0.0022  |
| Mercury                      | 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 |
| Molybdenum                   | mg/L   | 0.0142  |        | <0.0010 |        |        | 0.0009  |        |        | <0.0005 |        |        | <0.0005 | <0.0005 | <0.0010 | <0.0015 | <0.0025 | <0.0015 | <0.0015 | <0.0025 | <0.0010 | <0.0005 |
| Selenium                     | mg/L   | 0.0020  |        | <0.0020 |        |        | <0.0010 |        |        | <0.0010 |        |        | <0.0010 | <0.0010 | <0.0020 | <0.0030 | <0.0050 | 0.0031  | <0.0030 | <0.0050 | <0.0020 | <0.0010 |
| Silica (SiO2)                | mg/L   | 9.09    |        | 8.45    |        |        | 8.68    |        |        | 8.28    |        |        | 7.77    | 7.62    | 7.40    | 7.84    | 7.4     | 8.17    | 8.21    | 7.82    | 8.28    | 8.44    |
| Silicon                      | mg/L   | 4.25    |        | 3.95    |        |        | 4.06    |        |        | 3.87    |        |        | 3.63    | 3.56    | 3.46    | 3.67    | 3.46    | 3.82    | 3.84    | 3.66    | 3.87    | 3.95    |
| Uranium                      | mg/L   | 0.0044  |        | <0.0002 |        |        | 0.0001  |        |        | 0.0001  |        |        | <0.0002 | <0.0005 | <0.0010 | <0.0015 | <0.0025 | <0.0015 | <0.0015 | <0.0025 | <0.0010 | <0.0025 |
| Zinc                         | mg/L   | 0.0080  |        | <0.0040 |        |        | 0.0023  |        |        | <0.0020 |        |        | <0.0020 | <0.002  | <0.0040 | <0.0060 | <0.0100 | <0.0060 | <0.0060 | <0.0100 | <0.0040 | <0.0020 |

| Notes & Definitions: |                             |                                                                                                                                                                                                                                                                                                                                      |
|----------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ^                    | one-time analysis           |                                                                                                                                                                                                                                                                                                                                      |
| 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)          |                                                                                                                                                                                                                                                                                                                                      |

GCC Energy Hydrologic Monitoring Data

| MW-8-PL                      |        |         |        |         |        |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |
|------------------------------|--------|---------|--------|---------|--------|--------|---------|--------|--------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Year                         | 2018   | 2019    |        |         |        |        |         |        |        |         |        |        | 2020    |         |         |         | 2021    |         |         |         | 2022    |
| Quarter                      | Q4     | Q1      |        |         | Q2     |        |         | Q3     |        |         | Q4     |        | Q1      | Q2      | Q3      | Q4      | Q1      | Q2      | Q3      | Q4      | Q1      |
| Month                        | 12     | 1       | 2      | 3       | 4      | 5      | 6       | 7      | 8      | 9       | 10     | 11     | 2       | 5       | 8       | 11      | 2       | 5       | 8       | 11      | 3       |
| 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    |
| 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       |
| 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    |
| 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     |
| 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  |
| 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    |
| 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    | 7.52    | 7.53    | 7.58    | 7.55    | 7.57    |
| Specific Conductance         | µS/cm  | 1690    | 1531   | 1571    | 1558   | 1554   | 1411    | 1326   | 1165   | 1083    | 947    | 940    | 900     | 862     | 844     | 792     | 827     | 760     | 813     | 816     | 836     |
| 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   |
| Lab Analytical Results:      |        |         |        |         |        |        |         |        |        |         |        |        |         |         |         |         |         |         |         |         |         |
| Hardness as CaCO3            | mg/L   | 617     |        | 644     |        |        | 596     |        |        | 411     |        |        | 294     | 278     | 298     | 292     | 268     | 281     | 283     | 280     | 272     |
| 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    |
| Total Dissolved Solids (Lab) | mg/L   | 1150    |        | 1090    |        |        | 995     |        |        | 705     |        |        | 620     | 500     | 490     | 525     | 465     | 525     | 505     | 475     | 465     |
| Calcium                      | mg/L   | 112     |        | 120     |        |        | 105     |        |        | 73.1    |        |        | 52.1    | 49.3    | 53.8    | 53.3    | 49.1    | 52.2    | 53.3    | 53      | 51.1    |
| 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    |
| Sodium                       | mg/L   | 106     |        | 124     |        |        | 102     |        |        | 91.7    |        |        | 83.3    | 78.5    | 80.4    | 81.6    | 77.2    | 78.6    | 79.7    | 77.8    | 73.7    |
| 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    |
| Alkalinity, Total            | mg/L   | 370     |        | 415     |        |        | 435     |        |        | 393     |        |        | 390     | 339     | 340     | 315     | 410     | 370     | 385     | 360     | 385     |
| Alkalinity, Bicarbonate      | mg/L   | 370     |        | 415     |        |        | 435     |        |        | 393     |        |        | 390     | 339     | 340     | 315     | 410     | 370     | 385     | 360     | 385     |
| 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   |
| 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   |
| Chloride                     | mg/L   | 18.8    |        | 18.5    |        |        | 9.03    |        |        | 5.61    |        |        | 5.66    | 3.51    | 3.38    | 3.33    | 3.32    | 3.39    | 3.30    | 3.33    | 3.38    |
| 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   |
| Sulfate as SO4               | mg/L   | 478     |        | 471     |        |        | 390     |        |        | 232     |        |        | 127     | 109     | 103     | 99.2    | 99      | 101     | 96.3    | 102     | 98.4    |
| Total Organic Carbon (TOC)   | mg/L   | 4.17    |        | 4.02    |        |        | 2.92    |        |        | 2.21    |        |        | 1.75    | 1.63    | 1.63    | 1.61    | 1.44    | 0.928   | 1.42    | 1.54    | 1.40    |
| 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  | 0.052   |
| Ammonia as N ^               | mg/L   | NA      |        | NA      |        |        | NA      |        |        | NA      |        |        | 0.199   | 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      |
| 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  |
| 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  |
| 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 |
| Copper                       | mg/L   | 0.0016  |        | 0.0025  |        |        | 0.0017  |        |        | 0.0011  |        |        | 0.0004  | 0.001   | <0.0025 | <0.001  | 0.0014  | 0.0005  | 0.0013  | <0.0010 | 0.0015  |
| 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   |
| Lead                         | mg/L   | <0.0005 |        | <0.0010 |        |        | <0.0005 |        |        | <0.0005 |        |        | <0.0005 | <0.0005 | <0.0005 | <0.0010 | <0.0010 | <0.0005 | <0.0010 | <0.0010 | <0.0005 |
| Manganese                    | mg/L   | 1.31    |        | 1.22    |        |        | 0.697   |        |        | 0.505   |        |        | 0.313   | 0.303   | 0.307   | 0.259   | 0.219   | 0.196   | 0.175   | 0.0772  | 0.161   |
| Mercury                      | 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 |
| Molybdenum                   | mg/L   | 0.0090  |        | 0.0068  |        |        | 0.0020  |        |        | 0.0021  |        |        | 0.0017  | 0.0008  | <0.0005 | <0.0010 | <0.0010 | <0.0005 | <0.0010 | <0.0010 | <0.0005 |
| Selenium                     | mg/L   | 0.0012  |        | <0.0020 |        |        | <0.0010 |        |        | <0.0010 |        |        | <0.0010 | <0.001  | <0.0010 | <0.0020 | <0.0020 | 0.0038  | <0.002  | <0.0020 | 0.0031  |
| Silica (SiO2)                | mg/L   | 14.1    |        | 16.3    |        |        | 17.7    |        |        | 18.5    |        |        | 18.0    | 18.9    | 18.7    | 19.9    | 18.5    | 20.1    | 21.5    | 20      | 20.8    |
| Silicon                      | mg/L   | 6.58    |        | 7.64    |        |        | 8.28    |        |        | 8.67    |        |        | 8.42    | 8.82    | 8.75    | 9.28    | 8.66    | 9.40    | 10.00   | 9.37    | 9.71    |
| Uranium                      | mg/L   | 0.0052  |        | 0.0040  |        |        | 0.0010  |        |        | 0.0009  |        |        | 0.0004  | <0.0005 | <0.0005 | <0.0010 | <0.0010 | <0.0005 | <0.001  | <0.0010 | <0.0005 |
| Zinc                         | mg/L   | 0.0344  |        | <0.0040 |        |        | <0.0020 |        |        | <0.0080 |        |        | <0.0020 | <0.0020 | <0.0100 | <0.0040 | <0.0040 | <0.0020 | <0.004  | <0.0040 | <0.0020 |

| Notes & Definitions: |                             |                                                                                                                                                                                                                                                                                                                                                   |
|----------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ^                    | one-time analysis           |                                                                                                                                                                                                                                                                                                                                                   |
| 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 CaCO <sub>3</sub> . |
| 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)          |                                                                                                                                                                                                                                                                                                                                                   |



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11 March 2022

Tom Bird  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: GCC GW Baseline

Enclosed are the results of analyses for samples received by the laboratory on 03/01/22 15:00. 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 black ink that reads 'Debbie Zufelt'.

Debbie Zufelt  
Reports Manager

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: T104704514-22-13

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: T104704398-21-14



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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/11/22 09:23

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID          | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|--------------------|---------------|--------|----------------|----------------|-------|
| Well #1 Upgradient | 2203012-01    | Water  | 03/01/22 10:31 | 03/01/22 15:00 |       |
| Wiltse Well        | 2203012-02    | Water  | 03/01/22 13:13 | 03/01/22 15:00 |       |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/11/22 09:23

### Well #1 Upgradient

#### 2203012-01 (Ground Water)

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

#### General Chemistry

|                                                |        |       |         |           |   |                |          |  |     |
|------------------------------------------------|--------|-------|---------|-----------|---|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 640    | 10.0  | 2.27    | mg/L      | 5 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27    | mg/L      | 5 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27    | mg/L      | 5 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 640    | 10.0  | 2.27    | mg/L      | 5 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Chloride*                                      | 4.46   | 1.00  | 0.0304  | mg/L      | 1 | 03/03/22 22:18 | EPA300.0 |  | AES |
| Fluoride*                                      | 0.349  | 0.100 | 0.00971 | mg/L      | 1 | 03/03/22 22:18 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.012   | mg/L as N | 1 | 03/02/22 13:57 | EPA353.2 |  | DTR |
| pH*                                            | 7.51   |       |         | pH Units  | 1 | 03/02/22 11:30 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 21.7   |       |         | pH Units  | 1 | 03/02/22 11:30 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 725    | 10.0  |         | mg/L      | 1 | 03/04/22 16:15 | EPA160.1 |  | VJW |
| Sulfate*                                       | 96.4   | 5.00  | 0.620   | mg/L      | 5 | 03/03/22 22:38 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 3.04   | 0.500 | 0.175   | mg/L      | 1 | 03/03/22 16:36 | 5310C    |  | DTR |

#### Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/07/22 13:29 | EPA200.7    |  | AES |
| Calcium*                      | 53.3   | 0.100 | 0.024  | mg/L | 1 | 03/07/22 13:29 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 271    | 0.662 | 0.186  | mg/L | 1 | 03/07/22 13:29 | 2340 B      |  | AES |
| Iron*                         | 1.25   | 0.050 | 0.036  | mg/L | 1 | 03/07/22 13:29 | EPA200.7    |  | AES |
| Magnesium*                    | 33.5   | 0.100 | 0.031  | mg/L | 1 | 03/07/22 13:29 | EPA200.7    |  | AES |
| Potassium*                    | 2.93   | 1.00  | 0.065  | mg/L | 1 | 03/07/22 13:29 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 14.2   | 1.07  | 0.0683 | mg/L | 1 | 03/07/22 13:29 | Calculation |  | AES |
| Silicon                       | 6.62   | 0.500 | 0.032  | mg/L | 1 | 03/07/22 13:29 | EPA200.7    |  | AES |
| Sodium*                       | 185    | 1.00  | 0.106  | mg/L | 1 | 03/07/22 13:29 | EPA200.7    |  | AES |

#### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |          |  |     |
|-------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Arsenic*    | <0.0005 | 0.0005 | 0.0002  | mg/L | 1 | 03/08/22 17:01 | EPA200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 03/08/22 17:01 | EPA200.8 |  | AES |
| Copper*     | 0.0053  | 0.0005 | 0.00008 | mg/L | 1 | 03/10/22 16:23 | EPA200.8 |  | AES |
| Lead*       | <0.0005 | 0.0005 | 0.00009 | mg/L | 1 | 03/08/22 17:01 | EPA200.8 |  | AES |
| Manganese*  | 0.325   | 0.0005 | 0.00009 | mg/L | 1 | 03/08/22 17:01 | EPA200.8 |  | AES |
| Molybdenum* | <0.0005 | 0.0005 | 0.00008 | mg/L | 1 | 03/08/22 17:01 | EPA200.8 |  | AES |
| Selenium*   | 0.0021  | 0.0010 | 0.0006  | mg/L | 1 | 03/08/22 17:01 | EPA200.8 |  | AES |
| Uranium     | <0.0005 | 0.0005 | 0.0001  | mg/L | 1 | 03/08/22 17:01 | EPA200.8 |  | AES |
| Zinc*       | <0.0020 | 0.0020 | 0.0003  | mg/L | 1 | 03/08/22 17:01 | EPA200.8 |  | AES |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/11/22 09:23

### Well #1 Upgradient

#### 2203012-01 (Ground Water)

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

#### Dissolved Mercury by CVAA

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 03/04/22 10:29 | EPA245.1 |  | DTR |
| Cation/Anion Balance | 3.68    |        |         |      |   |                |          |  |     |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
03/11/22 09:23

## Wiltse Well

## 2203012-02 (Ground Water)

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

## General Chemistry

|                                                |       |       |        |           |    |                |          |  |     |
|------------------------------------------------|-------|-------|--------|-----------|----|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 505   | 10.0  | 2.27   | mg/L      | 5  | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0 | 10.0  | 2.27   | mg/L      | 5  | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0 | 10.0  | 2.27   | mg/L      | 5  | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 505   | 10.0  | 2.27   | mg/L      | 5  | 03/03/22 11:35 | 2320 B   |  | VJW |
| Chloride*                                      | 49.8  | 2.00  | 0.0608 | mg/L      | 2  | 03/03/22 22:58 | EPA300.0 |  | AES |
| Fluoride*                                      | 0.286 | 0.200 | 0.0194 | mg/L      | 2  | 03/03/22 22:58 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | 1.69  | 0.020 | 0.012  | mg/L as N | 1  | 03/02/22 13:49 | EPA353.2 |  | DTR |
| pH*                                            | 7.25  |       |        | pH Units  | 1  | 03/02/22 11:30 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 21.7  |       |        | pH Units  | 1  | 03/02/22 11:30 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 1520  | 10.0  |        | mg/L      | 1  | 03/04/22 16:15 | EPA160.1 |  | VJW |
| Sulfate*                                       | 688   | 20.0  | 2.48   | mg/L      | 20 | 03/03/22 23:19 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 3.21  | 0.500 | 0.175  | mg/L      | 1  | 03/03/22 16:52 | 5310C    |  | DTR |

## Dissolved Metals by ICP

|                               |        |       |        |      |    |                |             |  |     |
|-------------------------------|--------|-------|--------|------|----|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1  | 03/07/22 13:34 | EPA200.7    |  | AES |
| Calcium*                      | 208    | 0.100 | 0.024  | mg/L | 1  | 03/07/22 13:33 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 1070   | 4.37  | 1.33   | mg/L | 10 | 03/08/22 09:54 | 2340 B      |  | AES |
| Iron*                         | 0.129  | 0.050 | 0.036  | mg/L | 1  | 03/07/22 13:34 | EPA200.7    |  | AES |
| Magnesium*                    | 133    | 1.00  | 0.308  | mg/L | 10 | 03/08/22 09:54 | EPA200.7    |  | AES |
| Potassium*                    | 4.42   | 1.00  | 0.065  | mg/L | 1  | 03/07/22 13:33 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 15.2   | 1.07  | 0.0683 | mg/L | 1  | 03/07/22 13:34 | Calculation |  | AES |
| Silicon                       | 7.13   | 0.500 | 0.032  | mg/L | 1  | 03/07/22 13:34 | EPA200.7    |  | AES |
| Sodium*                       | 61.0   | 1.00  | 0.106  | mg/L | 1  | 03/07/22 13:33 | EPA200.7    |  | AES |

## Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |          |  |     |
|-------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Arsenic*    | <0.0005 | 0.0005 | 0.0002  | mg/L | 1 | 03/08/22 17:03 | EPA200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 03/08/22 17:03 | EPA200.8 |  | AES |
| Copper*     | 0.0031  | 0.0005 | 0.00008 | mg/L | 1 | 03/10/22 16:25 | EPA200.8 |  | AES |
| Lead*       | <0.0005 | 0.0005 | 0.00009 | mg/L | 1 | 03/08/22 17:03 | EPA200.8 |  | AES |
| Manganese*  | 1.26    | 0.0005 | 0.00009 | mg/L | 1 | 03/08/22 17:03 | EPA200.8 |  | AES |
| Molybdenum* | 0.0017  | 0.0005 | 0.00008 | mg/L | 1 | 03/08/22 17:03 | EPA200.8 |  | AES |
| Selenium*   | 0.0015  | 0.0010 | 0.0006  | mg/L | 1 | 03/08/22 17:03 | EPA200.8 |  | AES |
| Uranium     | 0.0022  | 0.0005 | 0.0001  | mg/L | 1 | 03/08/22 17:03 | EPA200.8 |  | AES |
| Zinc*       | 0.0162  | 0.0020 | 0.0003  | mg/L | 1 | 03/08/22 17:03 | EPA200.8 |  | AES |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/11/22 09:23

**Wiltse Well**

**2203012-02 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 03/04/22 10:29 | EPA245.1 |  | DTR |
| Cation/Anion Balance | .29     |        |         |      |   |                |          |  |     |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/11/22 09:23

### General Chemistry - Quality Control

| Analyte                                        | Result | Reporting Limit | Units     | Spike Level                   | Source Result | %REC | %REC Limits | RPD    | RPD Limit | Notes |
|------------------------------------------------|--------|-----------------|-----------|-------------------------------|---------------|------|-------------|--------|-----------|-------|
| <b>Batch B220548 - Lachat</b>                  |        |                 |           |                               |               |      |             |        |           |       |
| <b>Blank (B220548-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 03/02/22 |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | ND     | 0.020           | mg/L as N |                               |               |      |             |        |           |       |
| <b>LCS (B220548-BS1)</b>                       |        |                 |           | Prepared & Analyzed: 03/02/22 |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | 1.02   | 0.020           | mg/L as N | 1.00                          |               | 102  | 90-110      |        |           |       |
| <b>LCS Dup (B220548-BSD1)</b>                  |        |                 |           | Prepared & Analyzed: 03/02/22 |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | 1.02   | 0.020           | mg/L as N | 1.00                          |               | 102  | 90-110      | 0.0587 | 20        |       |
| <b>Batch B220566 - Lachat</b>                  |        |                 |           |                               |               |      |             |        |           |       |
| <b>Blank (B220566-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 03/02/22 |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | ND     | 0.020           | mg/L as N |                               |               |      |             |        |           |       |
| <b>LCS (B220566-BS1)</b>                       |        |                 |           | Prepared & Analyzed: 03/02/22 |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | 1.02   | 0.020           | mg/L as N | 1.00                          |               | 102  | 90-110      |        |           |       |
| <b>LCS Dup (B220566-BSD1)</b>                  |        |                 |           | Prepared & Analyzed: 03/02/22 |               |      |             |        |           |       |
| Nitrate/Nitrite as N                           | 1.02   | 0.020           | mg/L as N | 1.00                          |               | 102  | 90-110      | 0.147  | 20        |       |
| <b>Batch B220575 - General Prep - Wet Chem</b> |        |                 |           |                               |               |      |             |        |           |       |
| <b>Blank (B220575-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 03/03/22 |               |      |             |        |           |       |
| Total Organic Carbon                           | ND     | 0.500           | mg/L      |                               |               |      |             |        |           |       |
| <b>LCS (B220575-BS1)</b>                       |        |                 |           | Prepared & Analyzed: 03/03/22 |               |      |             |        |           |       |
| Total Organic Carbon                           | 9.88   | 0.500           | mg/L      | 10.0                          |               | 98.8 | 85-115      |        |           |       |
| <b>LCS Dup (B220575-BSD1)</b>                  |        |                 |           | Prepared & Analyzed: 03/03/22 |               |      |             |        |           |       |
| Total Organic Carbon                           | 9.98   | 0.500           | mg/L      | 10.0                          |               | 99.8 | 85-115      | 1.03   | 20        |       |
| <b>Batch B220579 - IC- Ion Chromatograph</b>   |        |                 |           |                               |               |      |             |        |           |       |
| <b>Blank (B220579-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 03/03/22 |               |      |             |        |           |       |
| Chloride                                       | ND     | 1.00            | mg/L      |                               |               |      |             |        |           |       |
| Fluoride                                       | ND     | 0.100           | mg/L      |                               |               |      |             |        |           |       |
| Sulfate                                        | ND     | 1.00            | mg/L      |                               |               |      |             |        |           |       |
| <b>LCS (B220579-BS1)</b>                       |        |                 |           | Prepared & Analyzed: 03/03/22 |               |      |             |        |           |       |
| Chloride                                       | 25.7   | 1.00            | mg/L      | 25.0                          |               | 103  | 90-110      |        |           |       |
| Fluoride                                       | 2.68   | 0.100           | mg/L      | 2.50                          |               | 107  | 90-110      |        |           |       |
| Sulfate                                        | 25.5   | 1.00            | mg/L      | 25.0                          |               | 102  | 90-110      |        |           |       |

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
03/11/22 09:23General Chemistry - Quality Control  
(Continued)

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

## Batch B220579 - IC- Ion Chromatograph (Continued)

## LCS Dup (B220579-BSD1)

Prepared &amp; Analyzed: 03/03/22

|          |      |       |      |      |  |     |        |       |    |  |
|----------|------|-------|------|------|--|-----|--------|-------|----|--|
| Chloride | 25.4 | 1.00  | mg/L | 25.0 |  | 102 | 90-110 | 0.826 | 20 |  |
| Fluoride | 2.70 | 0.100 | mg/L | 2.50 |  | 108 | 90-110 | 0.705 | 20 |  |
| Sulfate  | 26.0 | 1.00  | mg/L | 25.0 |  | 104 | 90-110 | 1.97  | 20 |  |

## Batch B220580 - General Prep - Wet Chem

## Blank (B220580-BLK1)

Prepared &amp; Analyzed: 03/03/22

|                                              |    |      |      |  |  |  |  |  |  |  |
|----------------------------------------------|----|------|------|--|--|--|--|--|--|--|
| 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 (B220580-BS1)

Prepared &amp; Analyzed: 03/03/22

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

## LCS Dup (B220580-BSD1)

Prepared &amp; Analyzed: 03/03/22

|                                              |     |      |      |     |  |     |        |       |    |  |
|----------------------------------------------|-----|------|------|-----|--|-----|--------|-------|----|--|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 105 | 10.0 | mg/L | 100 |  | 105 | 85-115 | 0.948 | 20 |  |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |  |     | 85-115 |       | 20 |  |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |  |     | 85-115 |       | 20 |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | 105 | 10.0 | mg/L | 100 |  | 105 | 85-115 | 0.948 | 20 |  |

## Batch B220590 - General Prep - Wet Chem

## Duplicate (B220590-DUP2)

Source: 2203028-01

Prepared &amp; Analyzed: 03/02/22

|                           |      |  |          |      |  |  |       |     |  |  |
|---------------------------|------|--|----------|------|--|--|-------|-----|--|--|
| pH                        | 7.64 |  | pH Units | 7.61 |  |  | 0.393 | 20  |  |  |
| pH Temperature, degrees C | 18.1 |  | pH Units | 17.5 |  |  | 3.37  | 200 |  |  |

## Reference (B220590-SRM1)

Prepared &amp; Analyzed: 03/02/22

|    |      |  |          |      |  |      |              |  |  |  |
|----|------|--|----------|------|--|------|--------------|--|--|--|
| pH | 6.98 |  | pH Units | 7.00 |  | 99.7 | 98.57-101.42 |  |  |  |
|----|------|--|----------|------|--|------|--------------|--|--|--|

## Batch B220592 - General Prep - Wet Chem

## Blank (B220592-BLK1)

Prepared &amp; Analyzed: 03/04/22

|                        |    |      |      |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|
| Total Dissolved Solids | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|

## Duplicate (B220592-DUP1)

Source: 2203009-01

Prepared &amp; Analyzed: 03/04/22

|                        |     |      |      |     |  |  |      |    |  |  |
|------------------------|-----|------|------|-----|--|--|------|----|--|--|
| Total Dissolved Solids | 845 | 10.0 | mg/L | 835 |  |  | 1.19 | 20 |  |  |
|------------------------|-----|------|------|-----|--|--|------|----|--|--|

## Reference (B220592-SRM1)

Prepared &amp; Analyzed: 03/04/22

|                        |     |      |      |     |  |      |        |  |  |  |
|------------------------|-----|------|------|-----|--|------|--------|--|--|--|
| Total Dissolved Solids | 575 | 10.0 | mg/L | 600 |  | 95.8 | 85-115 |  |  |  |
|------------------------|-----|------|------|-----|--|------|--------|--|--|--|

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/11/22 09:23

**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 B220592 - General Prep - Wet Chem (Continued)**

**Dissolved Metals by ICP - Quality Control**

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

**Batch B220609 - Dissolved ICP**

**Blank (B220609-BLK1)**

Prepared & Analyzed: 03/07/22

|           |    |       |      |  |  |  |  |  |  |  |
|-----------|----|-------|------|--|--|--|--|--|--|--|
| 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 (B220609-BS1)**

Prepared & Analyzed: 03/07/22

|           |      |       |      |      |  |      |        |  |  |  |
|-----------|------|-------|------|------|--|------|--------|--|--|--|
| Aluminum  | 4.85 | 0.050 | mg/L | 5.00 |  | 96.9 | 85-115 |  |  |  |
| Calcium   | 4.75 | 0.100 | mg/L | 5.00 |  | 95.0 | 85-115 |  |  |  |
| Iron      | 4.80 | 0.050 | mg/L | 5.00 |  | 96.1 | 85-115 |  |  |  |
| Magnesium | 24.5 | 0.100 | mg/L | 25.0 |  | 98.1 | 85-115 |  |  |  |
| Potassium | 9.73 | 1.00  | mg/L | 10.0 |  | 97.3 | 85-115 |  |  |  |
| Silicon   | 5.03 | 0.500 | mg/L | 5.00 |  | 101  | 85-115 |  |  |  |
| Sodium    | 3.86 | 1.00  | mg/L | 4.05 |  | 95.4 | 85-115 |  |  |  |

**LCS Dup (B220609-BSD1)**

Prepared & Analyzed: 03/07/22

|           |      |       |      |      |  |      |        |       |    |  |
|-----------|------|-------|------|------|--|------|--------|-------|----|--|
| Aluminum  | 4.80 | 0.050 | mg/L | 5.00 |  | 96.0 | 85-115 | 0.968 | 20 |  |
| Calcium   | 4.89 | 0.100 | mg/L | 5.00 |  | 97.7 | 85-115 | 2.85  | 20 |  |
| Iron      | 4.81 | 0.050 | mg/L | 5.00 |  | 96.3 | 85-115 | 0.171 | 20 |  |
| Magnesium | 24.7 | 0.100 | mg/L | 25.0 |  | 98.8 | 85-115 | 0.665 | 20 |  |
| Potassium | 9.59 | 1.00  | mg/L | 10.0 |  | 95.9 | 85-115 | 1.46  | 20 |  |
| Silicon   | 5.04 | 0.500 | mg/L | 5.00 |  | 101  | 85-115 | 0.143 | 20 |  |
| Sodium    | 3.87 | 1.00  | mg/L | 4.05 |  | 95.5 | 85-115 | 0.165 | 20 |  |

Green Analytical Laboratories

*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/11/22 09:23

### Dissolved Metals by ICPMS - Quality Control

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

#### Batch B220610 - Dissolved ICPMS

##### Blank (B220610-BLK1)

Prepared: 03/07/22 Analyzed: 03/08/22

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0005 | mg/L |
| Cadmium    | ND | 0.0005 | 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 (B220610-BS1)

Prepared: 03/07/22 Analyzed: 03/08/22

|            |        |        |      |        |      |        |
|------------|--------|--------|------|--------|------|--------|
| Arsenic    | 0.0495 | 0.0005 | mg/L | 0.0500 | 99.1 | 85-115 |
| Cadmium    | 0.0501 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 |
| Lead       | 0.0494 | 0.0005 | mg/L | 0.0500 | 98.7 | 85-115 |
| Manganese  | 0.0515 | 0.0005 | mg/L | 0.0500 | 103  | 85-115 |
| Molybdenum | 0.0500 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 |
| Selenium   | 0.250  | 0.0010 | mg/L | 0.250  | 99.9 | 85-115 |
| Uranium    | 0.0518 | 0.0005 | mg/L | 0.0500 | 104  | 85-115 |
| Zinc       | 0.0517 | 0.0020 | mg/L | 0.0500 | 103  | 85-115 |

##### LCS Dup (B220610-BSD1)

Prepared: 03/07/22 Analyzed: 03/08/22

|            |        |        |      |        |      |        |        |    |
|------------|--------|--------|------|--------|------|--------|--------|----|
| Arsenic    | 0.0508 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 2.48   | 20 |
| Cadmium    | 0.0505 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 0.884  | 20 |
| Lead       | 0.0496 | 0.0005 | mg/L | 0.0500 | 99.3 | 85-115 | 0.567  | 20 |
| Manganese  | 0.0515 | 0.0005 | mg/L | 0.0500 | 103  | 85-115 | 0.0408 | 20 |
| Molybdenum | 0.0506 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 1.22   | 20 |
| Selenium   | 0.255  | 0.0010 | mg/L | 0.250  | 102  | 85-115 | 2.25   | 20 |
| Uranium    | 0.0523 | 0.0005 | mg/L | 0.0500 | 105  | 85-115 | 0.851  | 20 |
| Zinc       | 0.0519 | 0.0020 | mg/L | 0.0500 | 104  | 85-115 | 0.414  | 20 |

#### Batch B220641 - Dissolved ICPMS

##### Blank (B220641-BLK1)

Prepared: 03/09/22 Analyzed: 03/10/22

|        |    |        |      |
|--------|----|--------|------|
| Copper | ND | 0.0005 | mg/L |
|--------|----|--------|------|

##### LCS (B220641-BS1)

Prepared: 03/09/22 Analyzed: 03/10/22

|        |        |        |      |        |      |        |
|--------|--------|--------|------|--------|------|--------|
| Copper | 0.0491 | 0.0005 | mg/L | 0.0500 | 98.3 | 85-115 |
|--------|--------|--------|------|--------|------|--------|

##### LCS Dup (B220641-BSD1)

Prepared: 03/09/22 Analyzed: 03/10/22

|        |        |        |      |        |     |        |      |    |
|--------|--------|--------|------|--------|-----|--------|------|----|
| Copper | 0.0503 | 0.0005 | mg/L | 0.0500 | 101 | 85-115 | 2.30 | 20 |
|--------|--------|--------|------|--------|-----|--------|------|----|

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/11/22 09:23

### Dissolved Mercury by CVAA - Quality Control

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

#### Batch B220582 - EPA 245.1/7470

##### Blank (B220582-BLK1)

Prepared: 03/03/22 Analyzed: 03/04/22

|         |    |        |      |  |  |  |  |  |  |  |
|---------|----|--------|------|--|--|--|--|--|--|--|
| Mercury | ND | 0.0002 | mg/L |  |  |  |  |  |  |  |
|---------|----|--------|------|--|--|--|--|--|--|--|

##### LCS (B220582-BS1)

Prepared: 03/03/22 Analyzed: 03/04/22

|         |        |        |      |         |  |      |        |  |  |  |
|---------|--------|--------|------|---------|--|------|--------|--|--|--|
| Mercury | 0.0050 | 0.0002 | mg/L | 0.00500 |  | 99.9 | 85-115 |  |  |  |
|---------|--------|--------|------|---------|--|------|--------|--|--|--|

##### LCS Dup (B220582-BSD1)

Prepared: 03/03/22 Analyzed: 03/04/22

|         |        |        |      |         |  |     |        |       |    |  |
|---------|--------|--------|------|---------|--|-----|--------|-------|----|--|
| Mercury | 0.0050 | 0.0002 | mg/L | 0.00500 |  | 101 | 85-115 | 0.778 | 20 |  |
|---------|--------|--------|------|---------|--|-----|--------|-------|----|--|

### Notes and Definitions

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

Debbie Zufelt, Reports Manager

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## FORM-006

COC - Revision 6.0

† GAL cannot always accept verbal changes. Please fax or email written change requests.



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
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07 March 2022

Tom Bird  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: GCC GW Baseline

Enclosed are the results of analyses for samples received by the laboratory on 02/28/22 15:00. 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 black ink that reads 'Debbie Zufelt'.

Debbie Zufelt  
Reports Manager

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: T104704514-22-13

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: T104704398-21-14



dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

www.GreenAnalytical.com

GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/07/22 08:30

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID            | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|----------------------|---------------|--------|----------------|----------------|-------|
| Well #2 Downgradient | 2202264-01    | Water  | 02/28/22 11:55 | 02/28/22 15:00 |       |
| MW-99- Downgradient  | 2202264-02    | Water  | 02/28/22 12:30 | 02/28/22 15:00 |       |
| MW-HGA-4             | 2202264-03    | Water  | 02/28/22 13:19 | 02/28/22 15:00 |       |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
03/07/22 08:30

## Well #2 Downgradient

## 2202264-01 (Ground Water)

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

## General Chemistry

|                                                |        |       |         |           |   |                |          |  |     |
|------------------------------------------------|--------|-------|---------|-----------|---|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 372    | 10.0  | 2.27    | mg/L      | 2 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27    | mg/L      | 2 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27    | mg/L      | 2 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 372    | 10.0  | 2.27    | mg/L      | 2 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Chloride*                                      | 41.1   | 1.00  | 0.0304  | mg/L      | 1 | 03/03/22 07:39 | EPA300.0 |  | AES |
| Fluoride*                                      | 0.251  | 0.100 | 0.00971 | mg/L      | 1 | 03/03/22 07:39 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.012   | mg/L as N | 1 | 03/02/22 13:39 | EPA353.2 |  | DTR |
| pH*                                            | 7.57   |       |         | pH Units  | 1 | 03/02/22 11:30 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 22.7   |       |         | pH Units  | 1 | 03/02/22 11:30 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 605    | 10.0  |         | mg/L      | 1 | 03/02/22 12:25 | EPA160.1 |  | VJW |
| Sulfate*                                       | 187    | 5.00  | 0.620   | mg/L      | 5 | 03/03/22 07:59 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 1.73   | 0.500 | 0.175   | mg/L      | 1 | 03/03/22 15:46 | 5310C    |  | DTR |

## Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/02/22 13:26 | EPA200.7    |  | AES |
| Calcium*                      | 76.0   | 0.100 | 0.024  | mg/L | 1 | 03/02/22 13:26 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 500    | 0.662 | 0.186  | mg/L | 1 | 03/02/22 13:26 | 2340 B      |  | AES |
| Iron*                         | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/02/22 13:26 | EPA200.7    |  | AES |
| Magnesium*                    | 75.3   | 0.100 | 0.031  | mg/L | 1 | 03/02/22 13:26 | EPA200.7    |  | AES |
| Potassium*                    | 2.01   | 1.00  | 0.065  | mg/L | 1 | 03/02/22 13:26 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 11.1   | 1.07  | 0.0683 | mg/L | 1 | 03/02/22 13:26 | Calculation |  | AES |
| Silicon                       | 5.17   | 0.500 | 0.032  | mg/L | 1 | 03/02/22 13:26 | EPA200.7    |  | AES |
| Sodium*                       | 23.3   | 1.00  | 0.106  | mg/L | 1 | 03/02/22 13:26 | EPA200.7    |  | AES |

## Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |          |  |     |
|-------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Arsenic*    | 0.0007  | 0.0005 | 0.0002  | mg/L | 1 | 03/03/22 12:42 | EPA200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 03/03/22 12:42 | EPA200.8 |  | AES |
| Copper*     | <0.0005 | 0.0005 | 0.00008 | mg/L | 1 | 03/03/22 12:42 | EPA200.8 |  | AES |
| Lead*       | <0.0005 | 0.0005 | 0.00009 | mg/L | 1 | 03/03/22 12:42 | EPA200.8 |  | AES |
| Manganese*  | 0.403   | 0.0005 | 0.00009 | mg/L | 1 | 03/03/22 12:42 | EPA200.8 |  | AES |
| Molybdenum* | 0.0029  | 0.0005 | 0.00008 | mg/L | 1 | 03/03/22 12:42 | EPA200.8 |  | AES |
| Selenium*   | 0.0013  | 0.0010 | 0.0006  | mg/L | 1 | 03/03/22 12:42 | EPA200.8 |  | AES |
| Uranium     | 0.0017  | 0.0005 | 0.0001  | mg/L | 1 | 03/03/22 12:42 | EPA200.8 |  | AES |
| Zinc*       | <0.0020 | 0.0020 | 0.0003  | mg/L | 1 | 03/03/22 12:42 | EPA200.8 |  | AES |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/07/22 08:30

**Well #2 Downgradient**

**2202264-01 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 03/04/22 10:29 | EPA245.1 |  | DTR |
| Cation/Anion Balance | -.36    |        |         |      |   |                |          |  |     |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
03/07/22 08:30

## MW-99- Downgradient

## 2202264-02 (Ground Water)

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

## General Chemistry

|                                                |        |       |         |           |   |                |          |  |     |
|------------------------------------------------|--------|-------|---------|-----------|---|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 365    | 10.0  | 2.27    | mg/L      | 5 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27    | mg/L      | 5 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27    | mg/L      | 5 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 365    | 10.0  | 2.27    | mg/L      | 5 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Chloride*                                      | 40.9   | 1.00  | 0.0304  | mg/L      | 1 | 03/03/22 08:20 | EPA300.0 |  | AES |
| Fluoride*                                      | 0.237  | 0.100 | 0.00971 | mg/L      | 1 | 03/03/22 08:20 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.012   | mg/L as N | 1 | 03/02/22 13:42 | EPA353.2 |  | DTR |
| pH*                                            | 7.51   |       |         | pH Units  | 1 | 03/02/22 11:30 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 21.7   |       |         | pH Units  | 1 | 03/02/22 11:30 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 685    | 10.0  |         | mg/L      | 1 | 03/02/22 12:25 | EPA160.1 |  | VJW |
| Sulfate*                                       | 186    | 5.00  | 0.620   | mg/L      | 5 | 03/03/22 08:40 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 1.71   | 0.500 | 0.175   | mg/L      | 1 | 03/03/22 16:02 | 5310C    |  | DTR |

## Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/02/22 13:31 | EPA200.7    |  | AES |
| Calcium*                      | 76.0   | 0.100 | 0.024  | mg/L | 1 | 03/02/22 13:31 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 493    | 0.662 | 0.186  | mg/L | 1 | 03/02/22 13:31 | 2340 B      |  | AES |
| Iron*                         | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/02/22 13:31 | EPA200.7    |  | AES |
| Magnesium*                    | 73.7   | 0.100 | 0.031  | mg/L | 1 | 03/02/22 13:31 | EPA200.7    |  | AES |
| Potassium*                    | 1.93   | 1.00  | 0.065  | mg/L | 1 | 03/02/22 13:31 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 11.2   | 1.07  | 0.0683 | mg/L | 1 | 03/02/22 13:31 | Calculation |  | AES |
| Silicon                       | 5.24   | 0.500 | 0.032  | mg/L | 1 | 03/02/22 13:31 | EPA200.7    |  | AES |
| Sodium*                       | 23.4   | 1.00  | 0.106  | mg/L | 1 | 03/02/22 13:31 | EPA200.7    |  | AES |

## Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |          |  |     |
|-------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Arsenic*    | 0.0006  | 0.0005 | 0.0002  | mg/L | 1 | 03/03/22 12:43 | EPA200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 03/03/22 12:43 | EPA200.8 |  | AES |
| Copper*     | <0.0005 | 0.0005 | 0.00008 | mg/L | 1 | 03/03/22 12:43 | EPA200.8 |  | AES |
| Lead*       | <0.0005 | 0.0005 | 0.00009 | mg/L | 1 | 03/03/22 12:43 | EPA200.8 |  | AES |
| Manganese*  | 0.394   | 0.0005 | 0.00009 | mg/L | 1 | 03/03/22 12:43 | EPA200.8 |  | AES |
| Molybdenum* | 0.0030  | 0.0005 | 0.00008 | mg/L | 1 | 03/03/22 12:43 | EPA200.8 |  | AES |
| Selenium*   | 0.0015  | 0.0010 | 0.0006  | mg/L | 1 | 03/03/22 12:43 | EPA200.8 |  | AES |
| Uranium     | 0.0016  | 0.0005 | 0.0001  | mg/L | 1 | 03/03/22 12:43 | EPA200.8 |  | AES |
| Zinc*       | <0.0020 | 0.0020 | 0.0003  | mg/L | 1 | 03/03/22 12:43 | EPA200.8 |  | AES |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/07/22 08:30

**MW-99- Downgradient**

**2202264-02 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 03/04/22 10:29 | EPA245.1 |  | DTR |
| Cation/Anion Balance | -3      |        |         |      |   |                |          |  |     |

Green Analytical Laboratories

*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:30

**MW-HGA-4****2202264-03 (Ground Water)**

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

**General Chemistry**

|                                                |        |       |         |           |   |                |          |    |     |
|------------------------------------------------|--------|-------|---------|-----------|---|----------------|----------|----|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 470    | 10.0  | 2.27    | mg/L      | 5 | 03/03/22 11:35 | 2320 B   |    | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27    | mg/L      | 5 | 03/03/22 11:35 | 2320 B   |    | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27    | mg/L      | 5 | 03/03/22 11:35 | 2320 B   |    | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 470    | 10.0  | 2.27    | mg/L      | 5 | 03/03/22 11:35 | 2320 B   |    | VJW |
| Chloride*                                      | 12.0   | 1.00  | 0.0304  | mg/L      | 1 | 03/03/22 09:41 | EPA300.0 |    | AES |
| Fluoride*                                      | 0.472  | 0.100 | 0.00971 | mg/L      | 1 | 03/03/22 09:41 | EPA300.0 |    | AES |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.012   | mg/L as N | 1 | 03/02/22 13:43 | EPA353.2 | M5 | DTR |
| pH*                                            | 7.22   |       |         | pH Units  | 1 | 03/02/22 11:30 | EPA150.1 |    | VJW |
| pH Temperature, degrees C                      | 21.9   |       |         | pH Units  | 1 | 03/02/22 11:30 | EPA150.1 |    | VJW |
| Total Dissolved Solids*                        | 790    | 10.0  |         | mg/L      | 1 | 03/02/22 12:25 | EPA160.1 |    | VJW |
| Sulfate*                                       | 216    | 5.00  | 0.620   | mg/L      | 5 | 03/03/22 10:02 | EPA300.0 |    | AES |
| Total Organic Carbon*                          | 5.47   | 0.500 | 0.175   | mg/L      | 1 | 03/03/22 16:20 | 5310C    |    | DTR |

**Dissolved Metals by ICP**

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/02/22 13:35 | EPA200.7    |  | AES |
| Calcium*                      | 119    | 0.100 | 0.024  | mg/L | 1 | 03/02/22 13:35 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 598    | 0.662 | 0.186  | mg/L | 1 | 03/02/22 13:35 | 2340 B      |  | AES |
| Iron*                         | 8.25   | 0.050 | 0.036  | mg/L | 1 | 03/02/22 13:35 | EPA200.7    |  | AES |
| Magnesium*                    | 72.9   | 0.100 | 0.031  | mg/L | 1 | 03/02/22 13:35 | EPA200.7    |  | AES |
| Potassium*                    | 1.82   | 1.00  | 0.065  | mg/L | 1 | 03/02/22 13:35 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 16.7   | 1.07  | 0.0683 | mg/L | 1 | 03/02/22 13:35 | Calculation |  | AES |
| Silicon                       | 7.81   | 0.500 | 0.032  | mg/L | 1 | 03/02/22 13:35 | EPA200.7    |  | AES |
| Sodium*                       | 23.9   | 1.00  | 0.106  | mg/L | 1 | 03/02/22 13:35 | EPA200.7    |  | AES |

**Dissolved Metals by ICPMS**

|             |         |        |         |      |    |                |          |  |     |
|-------------|---------|--------|---------|------|----|----------------|----------|--|-----|
| Arsenic*    | 0.0036  | 0.0005 | 0.0002  | mg/L | 1  | 03/03/22 12:45 | EPA200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1  | 03/03/22 12:45 | EPA200.8 |  | AES |
| Copper*     | <0.0005 | 0.0005 | 0.00008 | mg/L | 1  | 03/03/22 12:45 | EPA200.8 |  | AES |
| Lead*       | <0.0005 | 0.0005 | 0.00009 | mg/L | 1  | 03/03/22 12:45 | EPA200.8 |  | AES |
| Manganese*  | 3.03    | 0.0050 | 0.0009  | mg/L | 10 | 03/03/22 14:26 | EPA200.8 |  | AES |
| Molybdenum* | 0.0026  | 0.0005 | 0.00008 | mg/L | 1  | 03/03/22 12:45 | EPA200.8 |  | AES |
| Selenium*   | 0.0011  | 0.0010 | 0.0006  | mg/L | 1  | 03/03/22 12:45 | EPA200.8 |  | AES |
| Uranium     | <0.0005 | 0.0005 | 0.0001  | mg/L | 1  | 03/03/22 12:45 | EPA200.8 |  | AES |
| Zinc*       | <0.0020 | 0.0020 | 0.0003  | mg/L | 1  | 03/03/22 12:45 | EPA200.8 |  | AES |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/07/22 08:30

**MW-HGA-4**

**2202264-03 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 03/04/22 10:29 | EPA245.1 |  | DTR |
| Cation/Anion Balance | 3.74    |        |         |      |   |                |          |  |     |

Green Analytical Laboratories

*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
03/07/22 08:30

## General Chemistry - Quality Control

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

## Batch B220548 - Lachat

## Blank (B220548-BLK1)

Prepared &amp; Analyzed: 03/02/22

Nitrate/Nitrite as N ND 0.020 mg/L as N

## LCS (B220548-BS1)

Prepared &amp; Analyzed: 03/02/22

Nitrate/Nitrite as N 1.02 0.020 mg/L as N 1.00 102 90-110

## LCS Dup (B220548-BSD1)

Prepared &amp; Analyzed: 03/02/22

Nitrate/Nitrite as N 1.02 0.020 mg/L as N 1.00 102 90-110 0.0587 20

## Batch B220557 - General Prep - Wet Chem

## Blank (B220557-BLK1)

Prepared &amp; Analyzed: 03/02/22

Total Dissolved Solids ND 10.0 mg/L

## Duplicate (B220557-DUP1)

Source: 2202238-03 Prepared &amp; Analyzed: 03/02/22

Total Dissolved Solids 510 10.0 mg/L 505 0.958 20

## Reference (B220557-SRM1)

Prepared &amp; Analyzed: 03/02/22

Total Dissolved Solids 590 10.0 mg/L 600 98.3 85-115

## Batch B220565 - IC- Ion Chromatograph

## Blank (B220565-BLK1)

Prepared &amp; Analyzed: 03/02/22

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

## LCS (B220565-BS1)

Prepared &amp; Analyzed: 03/02/22

Chloride 24.9 1.00 mg/L 25.0 99.6 90-110  
Fluoride 2.64 0.100 mg/L 2.50 105 90-110  
Sulfate 25.0 1.00 mg/L 25.0 100 90-110

## LCS Dup (B220565-BSD1)

Prepared &amp; Analyzed: 03/02/22

Chloride 24.9 1.00 mg/L 25.0 99.8 90-110 0.112 20  
Fluoride 2.63 0.100 mg/L 2.50 105 90-110 0.190 20  
Sulfate 25.8 1.00 mg/L 25.0 103 90-110 2.96 20

## Batch B220575 - General Prep - Wet Chem

## Blank (B220575-BLK1)

Prepared &amp; Analyzed: 03/03/22

Total Organic Carbon ND 0.500 mg/L

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:30

**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 B220575 - General Prep - Wet Chem (Continued)**

**LCS (B220575-BS1)**

Prepared & Analyzed: 03/03/22

|                      |      |       |      |      |      |        |
|----------------------|------|-------|------|------|------|--------|
| Total Organic Carbon | 9.88 | 0.500 | mg/L | 10.0 | 98.8 | 85-115 |
|----------------------|------|-------|------|------|------|--------|

**LCS Dup (B220575-BSD1)**

Prepared & Analyzed: 03/03/22

|                      |      |       |      |      |      |        |      |    |
|----------------------|------|-------|------|------|------|--------|------|----|
| Total Organic Carbon | 9.98 | 0.500 | mg/L | 10.0 | 99.8 | 85-115 | 1.03 | 20 |
|----------------------|------|-------|------|------|------|--------|------|----|

**Batch B220580 - General Prep - Wet Chem**

**Blank (B220580-BLK1)**

Prepared & Analyzed: 03/03/22

|                                              |    |      |      |
|----------------------------------------------|----|------|------|
| 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 (B220580-BS1)**

Prepared & Analyzed: 03/03/22

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

**LCS Dup (B220580-BSD1)**

Prepared & Analyzed: 03/03/22

|                                              |     |      |      |     |     |        |       |    |
|----------------------------------------------|-----|------|------|-----|-----|--------|-------|----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 105 | 10.0 | mg/L | 100 | 105 | 85-115 | 0.948 | 20 |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |     | 85-115 |       | 20 |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |     | 85-115 |       | 20 |
| Alkalinity, Total as CaCO <sub>3</sub>       | 105 | 10.0 | mg/L | 100 | 105 | 85-115 | 0.948 | 20 |

**Batch B220590 - General Prep - Wet Chem**

**Duplicate (B220590-DUP2)**

Source: 2203028-01

Prepared & Analyzed: 03/02/22

|                           |      |          |      |       |     |
|---------------------------|------|----------|------|-------|-----|
| pH                        | 7.64 | pH Units | 7.61 | 0.393 | 20  |
| pH Temperature, degrees C | 18.1 | pH Units | 17.5 | 3.37  | 200 |

**Reference (B220590-SRM1)**

Prepared & Analyzed: 03/02/22

|    |      |          |      |      |              |
|----|------|----------|------|------|--------------|
| pH | 6.98 | pH Units | 7.00 | 99.7 | 98.57-101.42 |
|----|------|----------|------|------|--------------|

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:30

### Dissolved Metals by ICP - Quality Control

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

#### Batch B220561 - Dissolved ICP

##### Blank (B220561-BLK1)

Prepared &amp; Analyzed: 03/02/22

|           |    |       |      |
|-----------|----|-------|------|
| 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 (B220561-BS1)

Prepared &amp; Analyzed: 03/02/22

|           |      |       |      |      |      |        |
|-----------|------|-------|------|------|------|--------|
| Aluminum  | 4.79 | 0.050 | mg/L | 5.00 | 95.8 | 85-115 |
| Calcium   | 4.56 | 0.100 | mg/L | 5.00 | 91.2 | 85-115 |
| Iron      | 4.41 | 0.050 | mg/L | 5.00 | 88.2 | 85-115 |
| Magnesium | 23.7 | 0.100 | mg/L | 25.0 | 94.8 | 85-115 |
| Potassium | 9.29 | 1.00  | mg/L | 10.0 | 92.9 | 85-115 |
| Silicon   | 4.90 | 0.500 | mg/L | 5.00 | 97.9 | 85-115 |
| Sodium    | 3.83 | 1.00  | mg/L | 4.05 | 94.6 | 85-115 |

##### LCS Dup (B220561-BSD1)

Prepared &amp; Analyzed: 03/02/22

|           |      |       |      |      |      |        |       |    |
|-----------|------|-------|------|------|------|--------|-------|----|
| Aluminum  | 4.87 | 0.050 | mg/L | 5.00 | 97.4 | 85-115 | 1.59  | 20 |
| Calcium   | 4.54 | 0.100 | mg/L | 5.00 | 90.8 | 85-115 | 0.429 | 20 |
| Iron      | 4.49 | 0.050 | mg/L | 5.00 | 89.7 | 85-115 | 1.74  | 20 |
| Magnesium | 23.6 | 0.100 | mg/L | 25.0 | 94.5 | 85-115 | 0.382 | 20 |
| Potassium | 9.52 | 1.00  | mg/L | 10.0 | 95.2 | 85-115 | 2.47  | 20 |
| Silicon   | 4.92 | 0.500 | mg/L | 5.00 | 98.4 | 85-115 | 0.419 | 20 |
| Sodium    | 3.81 | 1.00  | mg/L | 4.05 | 94.2 | 85-115 | 0.456 | 20 |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:30

### Dissolved Metals by ICPMS - Quality Control

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

#### Batch B220563 - Dissolved ICPMS

##### Blank (B220563-BLK1)

Prepared: 03/02/22 Analyzed: 03/03/22

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0005 | mg/L |
| Cadmium    | ND | 0.0005 | mg/L |
| Copper     | ND | 0.0005 | 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 (B220563-BS1)

Prepared: 03/02/22 Analyzed: 03/03/22

|            |        |        |      |        |      |        |
|------------|--------|--------|------|--------|------|--------|
| Arsenic    | 0.0476 | 0.0005 | mg/L | 0.0500 | 95.2 | 85-115 |
| Cadmium    | 0.0510 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |
| Copper     | 0.0500 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 |
| Lead       | 0.0500 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 |
| Manganese  | 0.0535 | 0.0005 | mg/L | 0.0500 | 107  | 85-115 |
| Molybdenum | 0.0509 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |
| Selenium   | 0.255  | 0.0010 | mg/L | 0.250  | 102  | 85-115 |
| Uranium    | 0.0537 | 0.0005 | mg/L | 0.0500 | 107  | 85-115 |
| Zinc       | 0.0507 | 0.0020 | mg/L | 0.0500 | 101  | 85-115 |

##### LCS Dup (B220563-BSD1)

Prepared: 03/02/22 Analyzed: 03/03/22

|            |        |        |      |        |      |        |       |    |
|------------|--------|--------|------|--------|------|--------|-------|----|
| Arsenic    | 0.0497 | 0.0005 | mg/L | 0.0500 | 99.3 | 85-115 | 4.25  | 20 |
| Cadmium    | 0.0509 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 0.208 | 20 |
| Copper     | 0.0494 | 0.0005 | mg/L | 0.0500 | 98.9 | 85-115 | 1.25  | 20 |
| Lead       | 0.0510 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 2.04  | 20 |
| Manganese  | 0.0542 | 0.0005 | mg/L | 0.0500 | 108  | 85-115 | 1.15  | 20 |
| Molybdenum | 0.0510 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 0.234 | 20 |
| Selenium   | 0.252  | 0.0010 | mg/L | 0.250  | 101  | 85-115 | 0.999 | 20 |
| Uranium    | 0.0558 | 0.0005 | mg/L | 0.0500 | 112  | 85-115 | 3.88  | 20 |
| Zinc       | 0.0510 | 0.0020 | mg/L | 0.0500 | 102  | 85-115 | 0.638 | 20 |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:30

### Dissolved Mercury by CVAA - Quality Control

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

#### Batch B220582 - EPA 245.1/7470

##### Blank (B220582-BLK1)

Prepared: 03/03/22 Analyzed: 03/04/22

|         |    |        |      |
|---------|----|--------|------|
| Mercury | ND | 0.0002 | mg/L |
|---------|----|--------|------|

##### LCS (B220582-BS1)

Prepared: 03/03/22 Analyzed: 03/04/22

|         |        |        |      |         |      |        |
|---------|--------|--------|------|---------|------|--------|
| Mercury | 0.0050 | 0.0002 | mg/L | 0.00500 | 99.9 | 85-115 |
|---------|--------|--------|------|---------|------|--------|

##### LCS Dup (B220582-BSD1)

Prepared: 03/03/22 Analyzed: 03/04/22

|         |        |        |      |         |     |        |       |    |
|---------|--------|--------|------|---------|-----|--------|-------|----|
| Mercury | 0.0050 | 0.0002 | mg/L | 0.00500 | 101 | 85-115 | 0.778 | 20 |
|---------|--------|--------|------|---------|-----|--------|-------|----|

### Notes and Definitions

|     |                                                                                                                                         |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------|
| M5  | Sample was chosen for matrix spike. Spike recovery did not meet laboratory acceptance criteria, possible matrix interference in sample. |
| 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

Debbie Zufelt, Reports Manager

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## FORM-006

COC - Revision 6.0

**dzufelt@greenanalytical.com**  
**75 Suttle St Durango, CO**

75 Suttle St Durango, CO 81303

[illegible]



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07 April 2022

Tom Bird  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: GCC SW Baseline 2022

Enclosed are the results of analyses for samples received by the laboratory on 03/24/22 15:00. 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'.

Jeremy D Allen For Debbie Zufelt  
Reports Manager

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: T104704514-22-13

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: T104704398-21-14



dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

www.GreenAnalytical.com

GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline 2022  
Project Name / Number: GCC SW Baseline  
Project Manager: Tom Bird

**Reported:**  
04/07/22 16:47

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID                   | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------------------------|---------------|--------|----------------|----------------|-------|
| Haygulch Ditch Downgradient | 2203222-01    | Water  | 03/24/22 09:54 | 03/24/22 15:00 |       |
| Haygulch Ditch Upgradient   | 2203222-02    | Water  | 03/24/22 10:41 | 03/24/22 15:00 |       |

Green Analytical Laboratories

Jeremy D Allen For Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC SW Baseline 2022  
Project Name / Number: GCC SW Baseline  
Project Manager: Tom BirdReported:  
04/07/22 16:47

## Haygulch Ditch Downgradient

## 2203222-01 (Surface Water)

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

## General Chemistry

|                                                |       |       |         |           |   |                |             |  |     |
|------------------------------------------------|-------|-------|---------|-----------|---|----------------|-------------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 282   | 10.0  | 2.27    | mg/L      | 1 | 03/28/22 15:40 | 2320 B      |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0 | 10.0  | 2.27    | mg/L      | 1 | 03/28/22 15:40 | 2320 B      |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0 | 10.0  | 2.27    | mg/L      | 1 | 03/28/22 15:40 | 2320 B      |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 282   | 10.0  | 2.27    | mg/L      | 1 | 03/28/22 15:40 | 2320 B      |  | VJW |
| Chloride*                                      | 15.0  | 1.00  | 0.0304  | mg/L      | 1 | 03/30/22 01:02 | EPA300.0    |  | AES |
| Fluoride*                                      | 0.257 | 0.100 | 0.00971 | mg/L      | 1 | 03/30/22 01:02 | EPA300.0    |  | AES |
| Nitrate/Nitrite as N*                          | 0.041 | 0.020 | 0.012   | mg/L as N | 1 | 03/25/22 10:29 | EPA353.2    |  | DTR |
| Oil & Grease (HEM)                             | <5.00 | 5.00  | 1.16    | mg/L      | 1 | 03/25/22 08:30 | EPA1664 A   |  | VJW |
| pH*                                            | 8.01  |       |         | pH Units  | 1 | 03/25/22 14:20 | EPA150.1    |  | VJW |
| pH Temperature, degrees C                      | 25.0  |       |         | pH Units  | 1 | 03/25/22 14:20 | EPA150.1    |  | VJW |
| SAR                                            | 0.38  |       |         | No Unit   | 1 | 03/29/22 16:31 | Calculation |  | AES |
| Total Dissolved Solids*                        | 410   | 10.0  |         | mg/L      | 1 | 03/28/22 12:09 | EPA160.1    |  | VJW |
| Total Suspended Solids*                        | 18.3  | 2.50  |         | mg/L      | 1 | 03/28/22 15:15 | 2540 D      |  | VJW |
| Sulfate*                                       | 74.7  | 5.00  | 0.620   | mg/L      | 5 | 03/30/22 16:59 | EPA300.0    |  | AES |
| Total Organic Carbon*                          | 1.42  | 0.500 | 0.175   | mg/L      | 1 | 03/28/22 17:36 | 5310C       |  | DTR |

## Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/29/22 16:31 | EPA200.7    |  | AES |
| Calcium*                      | 82.1   | 0.100 | 0.024  | mg/L | 1 | 03/29/22 16:31 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 346    | 0.662 | 0.186  | mg/L | 1 | 03/29/22 16:31 | 2340 B      |  | AES |
| Iron*                         | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/29/22 16:31 | EPA200.7    |  | AES |
| Magnesium*                    | 34.2   | 0.100 | 0.031  | mg/L | 1 | 03/29/22 16:31 | EPA200.7    |  | AES |
| Potassium*                    | 2.89   | 1.00  | 0.065  | mg/L | 1 | 03/29/22 16:31 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 12.0   | 1.07  | 0.0683 | mg/L | 1 | 03/29/22 16:31 | Calculation |  | AES |
| Silicon                       | 5.59   | 0.500 | 0.032  | mg/L | 1 | 03/29/22 16:31 | EPA200.7    |  | AES |
| Sodium*                       | 16.4   | 1.00  | 0.106  | mg/L | 1 | 03/29/22 16:31 | EPA200.7    |  | AES |

## Total Recoverable Metals by ICPMS (E200.8)

|         |         |        |         |      |   |                |          |  |     |
|---------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury | <0.0100 | 0.0100 | 0.00430 | ug/L | 1 | 04/07/22 15:34 | EPA200.8 |  | AES |
|---------|---------|--------|---------|------|---|----------------|----------|--|-----|

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline 2022  
Project Name / Number: GCC SW Baseline  
Project Manager: Tom Bird

Reported:  
04/07/22 16:47

### Haygulch Ditch Downgradient

#### 2203222-01 (Surface Water)

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

#### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |          |  |     |
|-------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Arsenic*    | <0.0005 | 0.0005 | 0.0002  | mg/L | 1 | 03/29/22 17:52 | EPA200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 03/29/22 17:52 | EPA200.8 |  | AES |
| Copper*     | 0.0009  | 0.0005 | 0.00008 | mg/L | 1 | 03/29/22 17:52 | EPA200.8 |  | AES |
| Lead*       | <0.0005 | 0.0005 | 0.00009 | mg/L | 1 | 03/29/22 17:52 | EPA200.8 |  | AES |
| Manganese*  | 0.0082  | 0.0005 | 0.00009 | mg/L | 1 | 03/29/22 17:52 | EPA200.8 |  | AES |
| Molybdenum* | 0.0010  | 0.0005 | 0.00008 | mg/L | 1 | 03/29/22 17:52 | EPA200.8 |  | AES |
| Selenium*   | 0.0010  | 0.0010 | 0.0006  | mg/L | 1 | 03/29/22 17:52 | EPA200.8 |  | AES |
| Uranium     | 0.0008  | 0.0005 | 0.0001  | mg/L | 1 | 03/29/22 17:52 | EPA200.8 |  | AES |
| Zinc*       | 0.0020  | 0.0020 | 0.0003  | mg/L | 1 | 03/29/22 17:52 | EPA200.8 |  | AES |

Cation/Anion Balance .45

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC SW Baseline 2022  
Project Name / Number: GCC SW Baseline  
Project Manager: Tom BirdReported:  
04/07/22 16:47

## Haygulch Ditch Upgradient

## 2203222-02 (Surface Water)

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

## General Chemistry

|                                                |       |       |         |           |   |                |             |  |     |
|------------------------------------------------|-------|-------|---------|-----------|---|----------------|-------------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 162   | 10.0  | 2.27    | mg/L      | 1 | 03/28/22 15:40 | 2320 B      |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0 | 10.0  | 2.27    | mg/L      | 1 | 03/28/22 15:40 | 2320 B      |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0 | 10.0  | 2.27    | mg/L      | 1 | 03/28/22 15:40 | 2320 B      |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 162   | 10.0  | 2.27    | mg/L      | 1 | 03/28/22 15:40 | 2320 B      |  | VJW |
| Chloride*                                      | 32.3  | 1.00  | 0.0304  | mg/L      | 1 | 03/30/22 01:21 | EPA300.0    |  | AES |
| Fluoride*                                      | 0.178 | 0.100 | 0.00971 | mg/L      | 1 | 03/30/22 01:21 | EPA300.0    |  | AES |
| Nitrate/Nitrite as N*                          | 0.118 | 0.020 | 0.012   | mg/L as N | 1 | 03/25/22 10:31 | EPA353.2    |  | DTR |
| Oil & Grease (HEM)                             | <5.00 | 5.00  | 1.16    | mg/L      | 1 | 03/25/22 08:30 | EPA1664 A   |  | VJW |
| pH*                                            | 7.81  |       |         | pH Units  | 1 | 03/25/22 14:20 | EPA150.1    |  | VJW |
| pH Temperature, degrees C                      | 24.3  |       |         | pH Units  | 1 | 03/25/22 14:20 | EPA150.1    |  | VJW |
| SAR                                            | 0.36  |       |         | No Unit   | 1 | 03/29/22 16:33 | Calculation |  | AES |
| Total Dissolved Solids*                        | 380   | 10.0  |         | mg/L      | 1 | 03/28/22 12:13 | EPA160.1    |  | VJW |
| Total Suspended Solids*                        | 13.4  | 2.50  |         | mg/L      | 1 | 03/28/22 15:15 | 2540 D      |  | VJW |
| Sulfate*                                       | 95.5  | 5.00  | 0.620   | mg/L      | 5 | 03/30/22 17:19 | EPA300.0    |  | AES |
| Total Organic Carbon*                          | 1.86  | 0.500 | 0.175   | mg/L      | 1 | 03/28/22 17:52 | 5310C       |  | DTR |

## Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/29/22 16:33 | EPA200.7    |  | AES |
| Calcium*                      | 61.7   | 0.100 | 0.024  | mg/L | 1 | 03/29/22 16:33 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 280    | 0.662 | 0.186  | mg/L | 1 | 03/29/22 16:33 | 2340 B      |  | AES |
| Iron*                         | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/29/22 16:33 | EPA200.7    |  | AES |
| Magnesium*                    | 30.5   | 0.100 | 0.031  | mg/L | 1 | 03/29/22 16:33 | EPA200.7    |  | AES |
| Potassium*                    | 3.39   | 1.00  | 0.065  | mg/L | 1 | 03/29/22 16:33 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 9.73   | 1.07  | 0.0683 | mg/L | 1 | 03/29/22 16:33 | Calculation |  | AES |
| Silicon                       | 4.55   | 0.500 | 0.032  | mg/L | 1 | 03/29/22 16:33 | EPA200.7    |  | AES |
| Sodium*                       | 13.8   | 1.00  | 0.106  | mg/L | 1 | 03/29/22 16:33 | EPA200.7    |  | AES |

## Total Recoverable Metals by ICPMS (E200.8)

|         |         |        |         |      |   |                |          |  |     |
|---------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury | <0.0100 | 0.0100 | 0.00430 | ug/L | 1 | 04/07/22 15:35 | EPA200.8 |  | AES |
|---------|---------|--------|---------|------|---|----------------|----------|--|-----|

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline 2022  
Project Name / Number: GCC SW Baseline  
Project Manager: Tom Bird

Reported:  
04/07/22 16:47

### Haygulch Ditch Upgradient

#### 2203222-02 (Surface Water)

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

#### Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |          |  |     |
|-------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Arsenic*    | 0.0005  | 0.0005 | 0.0002  | mg/L | 1 | 03/29/22 17:54 | EPA200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 03/29/22 17:54 | EPA200.8 |  | AES |
| Copper*     | 0.0011  | 0.0005 | 0.00008 | mg/L | 1 | 03/29/22 17:54 | EPA200.8 |  | AES |
| Lead*       | <0.0005 | 0.0005 | 0.00009 | mg/L | 1 | 03/29/22 17:54 | EPA200.8 |  | AES |
| Manganese*  | 0.0337  | 0.0005 | 0.00009 | mg/L | 1 | 03/29/22 17:54 | EPA200.8 |  | AES |
| Molybdenum* | 0.0009  | 0.0005 | 0.00008 | mg/L | 1 | 03/29/22 17:54 | EPA200.8 |  | AES |
| Selenium*   | <0.0010 | 0.0010 | 0.0006  | mg/L | 1 | 03/29/22 17:54 | EPA200.8 |  | AES |
| Uranium     | 0.0005  | 0.0005 | 0.0001  | mg/L | 1 | 03/29/22 17:54 | EPA200.8 |  | AES |
| Zinc*       | <0.0020 | 0.0020 | 0.0003  | mg/L | 1 | 03/29/22 17:54 | EPA200.8 |  | AES |

Cation/Anion Balance 1.04

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC SW Baseline 2022  
Project Name / Number: GCC SW Baseline  
Project Manager: Tom BirdReported:  
04/07/22 16:47

## General Chemistry - Quality Control

| Analyte                                        | Result | Reporting Limit | Units     | Spike Level                           | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|------------------------------------------------|--------|-----------------|-----------|---------------------------------------|---------------|------|-------------|-------|-----------|-------|
| <b>Batch B220772 - General Prep - Wet Chem</b> |        |                 |           |                                       |               |      |             |       |           |       |
| <b>Blank (B220772-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 03/24/22         |               |      |             |       |           |       |
| Oil & Grease (HEM)                             | ND     | 5.00            | mg/L      |                                       |               |      |             |       |           |       |
| <b>LCS (B220772-BS1)</b>                       |        |                 |           | Prepared & Analyzed: 03/24/22         |               |      |             |       |           |       |
| Oil & Grease (HEM)                             | 35.3   | 5.00            | mg/L      | 40.0                                  |               | 88.3 | 85-115      |       |           |       |
| <b>LCS Dup (B220772-BSD1)</b>                  |        |                 |           | Prepared & Analyzed: 03/24/22         |               |      |             |       |           |       |
| Oil & Grease (HEM)                             | 35.6   | 5.00            | mg/L      | 40.0                                  |               | 89.0 | 85-115      | 0.846 | 20        |       |
| <b>Batch B220773 - Lachat</b>                  |        |                 |           |                                       |               |      |             |       |           |       |
| <b>Blank (B220773-BLK1)</b>                    |        |                 |           | Prepared & Analyzed: 03/25/22         |               |      |             |       |           |       |
| Nitrate/Nitrite as N                           | ND     | 0.020           | mg/L as N |                                       |               |      |             |       |           |       |
| <b>LCS (B220773-BS1)</b>                       |        |                 |           | Prepared & Analyzed: 03/25/22         |               |      |             |       |           |       |
| Nitrate/Nitrite as N                           | 1.02   | 0.020           | mg/L as N | 1.00                                  |               | 102  | 90-110      |       |           |       |
| <b>LCS Dup (B220773-BSD1)</b>                  |        |                 |           | Prepared & Analyzed: 03/25/22         |               |      |             |       |           |       |
| Nitrate/Nitrite as N                           | 1.03   | 0.020           | mg/L as N | 1.00                                  |               | 103  | 90-110      | 0.137 | 20        |       |
| <b>Batch B220776 - General Prep - Wet Chem</b> |        |                 |           |                                       |               |      |             |       |           |       |
| <b>Blank (B220776-BLK1)</b>                    |        |                 |           | Prepared: 03/25/22 Analyzed: 03/28/22 |               |      |             |       |           |       |
| Total Suspended Solids                         | ND     | 2.50            | mg/L      |                                       |               |      |             |       |           |       |
| <b>Reference (B220776-SRM1)</b>                |        |                 |           | Prepared: 03/25/22 Analyzed: 03/28/22 |               |      |             |       |           |       |
| Total Suspended Solids                         | 95.0   | 2.50            | mg/L      | 100                                   |               | 95.0 | 85-115      |       |           |       |
| <b>Batch B220790 - Dissolved ICP</b>           |        |                 |           |                                       |               |      |             |       |           |       |
| <b>Blank (B220790-BLK1)</b>                    |        |                 |           | Prepared: 03/28/22 Analyzed: 03/29/22 |               |      |             |       |           |       |
| SAR                                            | 0.00   |                 | No Unit   |                                       |               |      |             |       |           |       |
| <b>Batch B220793 - IC- Ion Chromatograph</b>   |        |                 |           |                                       |               |      |             |       |           |       |
| <b>Blank (B220793-BLK1)</b>                    |        |                 |           | Prepared: 03/28/22 Analyzed: 03/29/22 |               |      |             |       |           |       |
| Chloride                                       | ND     | 1.00            | mg/L      |                                       |               |      |             |       |           |       |
| Fluoride                                       | ND     | 0.100           | mg/L      |                                       |               |      |             |       |           |       |
| Sulfate                                        | ND     | 1.00            | mg/L      |                                       |               |      |             |       |           |       |
| <b>LCS (B220793-BS1)</b>                       |        |                 |           | Prepared: 03/28/22 Analyzed: 03/29/22 |               |      |             |       |           |       |
| Chloride                                       | 24.5   | 1.00            | mg/L      | 25.0                                  |               | 98.0 | 90-110      |       |           |       |

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6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline 2022  
Project Name / Number: GCC SW Baseline  
Project Manager: Tom Bird

Reported:  
04/07/22 16:47

**General Chemistry - Quality Control  
(Continued)**

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

**Batch B220793 - IC- Ion Chromatograph (Continued)**

**LCS (B220793-BS1) (Continued)**

Prepared: 03/28/22 Analyzed: 03/29/22

|          |      |       |      |      |  |      |        |  |  |  |
|----------|------|-------|------|------|--|------|--------|--|--|--|
| Fluoride | 2.47 | 0.100 | mg/L | 2.50 |  | 98.8 | 90-110 |  |  |  |
| Sulfate  | 24.8 | 1.00  | mg/L | 25.0 |  | 99.0 | 90-110 |  |  |  |

**LCS Dup (B220793-BSD1)**

Prepared: 03/28/22 Analyzed: 03/29/22

|          |      |       |      |      |  |      |        |       |    |  |
|----------|------|-------|------|------|--|------|--------|-------|----|--|
| Chloride | 24.7 | 1.00  | mg/L | 25.0 |  | 98.6 | 90-110 | 0.598 | 20 |  |
| Fluoride | 2.51 | 0.100 | mg/L | 2.50 |  | 100  | 90-110 | 1.61  | 20 |  |
| Sulfate  | 25.2 | 1.00  | mg/L | 25.0 |  | 101  | 90-110 | 1.57  | 20 |  |

**Batch B220794 - General Prep - Wet Chem**

**Blank (B220794-BLK1)**

Prepared & Analyzed: 03/28/22

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

**LCS (B220794-BS1)**

Prepared & Analyzed: 03/28/22

|                      |      |       |      |      |  |      |        |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|
| Total Organic Carbon | 9.98 | 0.500 | mg/L | 10.0 |  | 99.8 | 85-115 |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|

**LCS Dup (B220794-BSD1)**

Prepared & Analyzed: 03/28/22

|                      |      |       |      |      |  |     |        |       |    |  |
|----------------------|------|-------|------|------|--|-----|--------|-------|----|--|
| Total Organic Carbon | 10.0 | 0.500 | mg/L | 10.0 |  | 100 | 85-115 | 0.450 | 20 |  |
|----------------------|------|-------|------|------|--|-----|--------|-------|----|--|

**Batch B220797 - General Prep - Wet Chem**

**Blank (B220797-BLK1)**

Prepared & Analyzed: 03/28/22

|                        |    |      |      |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|
| Total Dissolved Solids | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|

**Reference (B220797-SRM1)**

Prepared & Analyzed: 03/28/22

|                        |     |      |      |     |  |     |        |  |  |  |
|------------------------|-----|------|------|-----|--|-----|--------|--|--|--|
| Total Dissolved Solids | 620 | 10.0 | mg/L | 600 |  | 103 | 85-115 |  |  |  |
|------------------------|-----|------|------|-----|--|-----|--------|--|--|--|

**Batch B220799 - General Prep - Wet Chem**

**Reference (B220799-SRM1)**

Prepared & Analyzed: 03/25/22

|    |      |  |          |      |  |     |              |  |  |  |
|----|------|--|----------|------|--|-----|--------------|--|--|--|
| pH | 7.01 |  | pH Units | 7.00 |  | 100 | 98.57-101.42 |  |  |  |
|----|------|--|----------|------|--|-----|--------------|--|--|--|

**Batch B220802 - General Prep - Wet Chem**

**Blank (B220802-BLK1)**

Prepared & Analyzed: 03/28/22

|                                              |    |      |      |  |  |  |  |  |  |  |
|----------------------------------------------|----|------|------|--|--|--|--|--|--|--|
| 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 (B220802-BS1)**

Prepared & Analyzed: 03/28/22

|                                              |      |      |      |     |  |      |        |  |  |  |
|----------------------------------------------|------|------|------|-----|--|------|--------|--|--|--|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 95.0 | 10.0 | mg/L | 100 |  | 95.0 | 85-115 |  |  |  |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND   | 10.0 | mg/L |     |  |      | 85-115 |  |  |  |

Green Analytical Laboratories

Jeremy D Allen For Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline 2022  
Project Name / Number: GCC SW Baseline  
Project Manager: Tom Bird

Reported:  
04/07/22 16:47

**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 B220802 - General Prep - Wet Chem (Continued)**

**LCS (B220802-BS1) (Continued)**

Prepared & Analyzed: 03/28/22

|                                            |      |      |      |     |  |      |        |  |  |  |
|--------------------------------------------|------|------|------|-----|--|------|--------|--|--|--|
| Alkalinity, Hydroxide as CaCO <sub>3</sub> | ND   | 10.0 | mg/L |     |  |      | 85-115 |  |  |  |
| Alkalinity, Total as CaCO <sub>3</sub>     | 95.0 | 10.0 | mg/L | 100 |  | 95.0 | 85-115 |  |  |  |

**LCS Dup (B220802-BSD1)**

Prepared & Analyzed: 03/28/22

|                                              |     |      |      |     |  |     |        |      |    |  |
|----------------------------------------------|-----|------|------|-----|--|-----|--------|------|----|--|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 104 | 10.0 | mg/L | 100 |  | 104 | 85-115 | 9.05 | 20 |  |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |  |     | 85-115 |      | 20 |  |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |  |     | 85-115 |      | 20 |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | 104 | 10.0 | mg/L | 100 |  | 104 | 85-115 | 9.05 | 20 |  |

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Jeremy D Allen For Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline 2022  
Project Name / Number: GCC SW Baseline  
Project Manager: Tom Bird

Reported:  
04/07/22 16:47

### Dissolved Metals by ICP - Quality Control

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

#### Batch B220790 - Dissolved ICP

##### Blank (B220790-BLK1)

Prepared: 03/28/22 Analyzed: 03/29/22

|           |    |       |      |
|-----------|----|-------|------|
| 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 (B220790-BS1)

Prepared: 03/28/22 Analyzed: 03/29/22

|           |      |       |      |      |      |        |
|-----------|------|-------|------|------|------|--------|
| Aluminum  | 5.12 | 0.050 | mg/L | 5.00 | 102  | 85-115 |
| Calcium   | 4.97 | 0.100 | mg/L | 5.00 | 99.5 | 85-115 |
| Iron      | 5.00 | 0.050 | mg/L | 5.00 | 100  | 85-115 |
| Magnesium | 25.4 | 0.100 | mg/L | 25.0 | 102  | 85-115 |
| Potassium | 10.1 | 1.00  | mg/L | 10.0 | 101  | 85-115 |
| Silicon   | 5.00 | 0.500 | mg/L | 5.00 | 100  | 85-115 |
| Sodium    | 4.22 | 1.00  | mg/L | 4.05 | 104  | 85-115 |

##### LCS Dup (B220790-BS1)

Prepared: 03/28/22 Analyzed: 03/29/22

|           |      |       |      |      |     |        |       |    |
|-----------|------|-------|------|------|-----|--------|-------|----|
| Aluminum  | 5.20 | 0.050 | mg/L | 5.00 | 104 | 85-115 | 1.57  | 20 |
| Calcium   | 5.06 | 0.100 | mg/L | 5.00 | 101 | 85-115 | 1.68  | 20 |
| Iron      | 5.08 | 0.050 | mg/L | 5.00 | 102 | 85-115 | 1.46  | 20 |
| Magnesium | 25.9 | 0.100 | mg/L | 25.0 | 103 | 85-115 | 1.77  | 20 |
| Potassium | 10.0 | 1.00  | mg/L | 10.0 | 100 | 85-115 | 0.526 | 20 |
| Silicon   | 5.12 | 0.500 | mg/L | 5.00 | 102 | 85-115 | 2.41  | 20 |
| Sodium    | 4.24 | 1.00  | mg/L | 4.05 | 105 | 85-115 | 0.446 | 20 |

Green Analytical Laboratories

Jeremy D Allen For Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline 2022  
Project Name / Number: GCC SW Baseline  
Project Manager: Tom Bird

Reported:  
04/07/22 16:47

### 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 |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B220841 - Mercury by 200.8

##### Blank (B220841-BLK1)

Prepared: 04/04/22 Analyzed: 04/07/22

|         |    |        |      |  |  |  |  |  |  |  |
|---------|----|--------|------|--|--|--|--|--|--|--|
| Mercury | ND | 0.0100 | ug/L |  |  |  |  |  |  |  |
|---------|----|--------|------|--|--|--|--|--|--|--|

##### LCS (B220841-BS1)

Prepared: 04/04/22 Analyzed: 04/07/22

|         |        |        |      |       |  |      |        |  |  |  |
|---------|--------|--------|------|-------|--|------|--------|--|--|--|
| Mercury | 0.0891 | 0.0100 | ug/L | 0.100 |  | 89.1 | 85-115 |  |  |  |
|---------|--------|--------|------|-------|--|------|--------|--|--|--|

##### LCS Dup (B220841-BSD1)

Prepared: 04/04/22 Analyzed: 04/07/22

|         |        |        |      |       |  |      |        |      |    |  |
|---------|--------|--------|------|-------|--|------|--------|------|----|--|
| Mercury | 0.0909 | 0.0100 | ug/L | 0.100 |  | 90.9 | 85-115 | 2.04 | 20 |  |
|---------|--------|--------|------|-------|--|------|--------|------|----|--|

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline 2022  
Project Name / Number: GCC SW Baseline  
Project Manager: Tom Bird

Reported:  
04/07/22 16:47

### Dissolved Metals by ICPMS - Quality Control

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

#### Batch B220806 - Dissolved ICPMS

##### Blank (B220806-BLK1)

Prepared &amp; Analyzed: 03/29/22

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0005 | mg/L |
| Cadmium    | ND | 0.0005 | mg/L |
| Copper     | ND | 0.0005 | 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 (B220806-BS1)

Prepared &amp; Analyzed: 03/29/22

|            |        |        |      |        |     |        |
|------------|--------|--------|------|--------|-----|--------|
| Arsenic    | 0.0526 | 0.0005 | mg/L | 0.0500 | 105 | 85-115 |
| Cadmium    | 0.0520 | 0.0005 | mg/L | 0.0500 | 104 | 85-115 |
| Copper     | 0.0510 | 0.0005 | mg/L | 0.0500 | 102 | 85-115 |
| Lead       | 0.0509 | 0.0005 | mg/L | 0.0500 | 102 | 85-115 |
| Manganese  | 0.0556 | 0.0005 | mg/L | 0.0500 | 111 | 85-115 |
| Molybdenum | 0.0527 | 0.0005 | mg/L | 0.0500 | 105 | 85-115 |
| Selenium   | 0.260  | 0.0010 | mg/L | 0.250  | 104 | 85-115 |
| Uranium    | 0.0548 | 0.0005 | mg/L | 0.0500 | 110 | 85-115 |
| Zinc       | 0.0525 | 0.0020 | mg/L | 0.0500 | 105 | 85-115 |

##### LCS Dup (B220806-BSD1)

Prepared &amp; Analyzed: 03/29/22

|            |        |        |      |        |     |        |        |    |
|------------|--------|--------|------|--------|-----|--------|--------|----|
| Arsenic    | 0.0524 | 0.0005 | mg/L | 0.0500 | 105 | 85-115 | 0.321  | 20 |
| Cadmium    | 0.0516 | 0.0005 | mg/L | 0.0500 | 103 | 85-115 | 0.626  | 20 |
| Copper     | 0.0510 | 0.0005 | mg/L | 0.0500 | 102 | 85-115 | 0.0304 | 20 |
| Lead       | 0.0512 | 0.0005 | mg/L | 0.0500 | 102 | 85-115 | 0.411  | 20 |
| Manganese  | 0.0562 | 0.0005 | mg/L | 0.0500 | 112 | 85-115 | 0.996  | 20 |
| Molybdenum | 0.0526 | 0.0005 | mg/L | 0.0500 | 105 | 85-115 | 0.0935 | 20 |
| Selenium   | 0.262  | 0.0010 | mg/L | 0.250  | 105 | 85-115 | 0.586  | 20 |
| Uranium    | 0.0539 | 0.0005 | mg/L | 0.0500 | 108 | 85-115 | 1.52   | 20 |
| Zinc       | 0.0524 | 0.0020 | mg/L | 0.0500 | 105 | 85-115 | 0.161  | 20 |

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Jeremy D Allen For Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC SW Baseline 2022  
Project Name / Number: GCC SW Baseline  
Project Manager: Tom Bird

**Reported:**  
04/07/22 16:47

### Notes and Definitions

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 For Debbie Zufelt, Reports Manager

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## FORM-006

COC - Revision 6.0

**dzufelt@greenanalytical.com**  
**75 Suttle St Durango, CO**

[illegible]



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30 March 2022

Tom Bird  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: GCC GW Baseline

Enclosed are the results of analyses for samples received by the laboratory on 03/17/22 16:25. 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 black ink that reads 'Debbie Zufelt'.

Debbie Zufelt  
Reports Manager

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: T104704514-22-13

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: T104704398-21-14



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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/30/22 16:22

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| MW-1-A    | 2203175-01    | Water  | 03/17/22 11:28 | 03/17/22 16:25 |       |
| MW-1-C    | 2203175-02    | Water  | 03/17/22 12:30 | 03/17/22 16:25 |       |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/30/22 16:22

**MW-1-A****2203175-01 (Ground Water)**

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

**General Chemistry**

|                                                |        |       |        |           |    |                |          |    |     |
|------------------------------------------------|--------|-------|--------|-----------|----|----------------|----------|----|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 405    | 10.0  | 2.27   | mg/L      | 5  | 03/23/22 09:00 | 2320 B   |    | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 5  | 03/23/22 09:00 | 2320 B   |    | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 5  | 03/23/22 09:00 | 2320 B   |    | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 405    | 10.0  | 2.27   | mg/L      | 5  | 03/23/22 09:00 | 2320 B   |    | VJW |
| Chloride*                                      | 2.80   | 2.00  | 0.0608 | mg/L      | 2  | 03/21/22 14:22 | EPA300.0 |    | AES |
| Fluoride*                                      | <0.200 | 0.200 | 0.0194 | mg/L      | 2  | 03/21/22 14:22 | EPA300.0 |    | AES |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.012  | mg/L as N | 1  | 03/22/22 14:54 | EPA353.2 | M5 | DTR |
| pH*                                            | 7.30   |       |        | pH Units  | 1  | 03/18/22 13:25 | EPA150.1 |    | VJW |
| pH Temperature, degrees C                      | 19.1   |       |        | pH Units  | 1  | 03/18/22 13:25 | EPA150.1 |    | VJW |
| Total Dissolved Solids*                        | 1140   | 10.0  |        | mg/L      | 1  | 03/23/22 16:55 | EPA160.1 |    | VJW |
| Sulfate*                                       | 503    | 20.0  | 2.48   | mg/L      | 20 | 03/21/22 14:43 | EPA300.0 |    | AES |
| Total Organic Carbon*                          | 1.56   | 0.500 | 0.175  | mg/L      | 1  | 03/22/22 21:46 | 5310C    |    | DTR |

**Dissolved Metals by ICP**

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/23/22 11:43 | EPA200.7    |  | AES |
| Calcium*                      | 28.5   | 0.100 | 0.024  | mg/L | 1 | 03/23/22 11:43 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 152    | 0.662 | 0.186  | mg/L | 1 | 03/23/22 11:43 | 2340 B      |  | AES |
| Iron*                         | 0.533  | 0.050 | 0.036  | mg/L | 1 | 03/23/22 11:43 | EPA200.7    |  | AES |
| Magnesium*                    | 19.7   | 0.100 | 0.031  | mg/L | 1 | 03/23/22 11:43 | EPA200.7    |  | AES |
| Potassium*                    | 2.23   | 1.00  | 0.065  | mg/L | 1 | 03/23/22 11:43 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 11.2   | 1.07  | 0.0683 | mg/L | 1 | 03/23/22 11:43 | Calculation |  | AES |
| Silicon                       | 5.25   | 0.500 | 0.032  | mg/L | 1 | 03/23/22 11:43 | EPA200.7    |  | AES |
| Sodium*                       | 321    | 1.00  | 0.106  | mg/L | 1 | 03/23/22 11:43 | EPA200.7    |  | AES |

**Dissolved Metals by ICPMS**

|             |         |        |         |      |   |                |          |    |     |
|-------------|---------|--------|---------|------|---|----------------|----------|----|-----|
| Arsenic*    | <0.0005 | 0.0005 | 0.0002  | mg/L | 1 | 03/22/22 16:20 | EPA200.8 |    | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 03/22/22 16:20 | EPA200.8 |    | AES |
| Copper*     | 0.0145  | 0.0005 | 0.00008 | mg/L | 1 | 03/22/22 16:20 | EPA200.8 | B2 | AES |
| Lead*       | <0.0005 | 0.0005 | 0.00009 | mg/L | 1 | 03/22/22 16:20 | EPA200.8 |    | AES |
| Manganese*  | 0.0289  | 0.0005 | 0.00009 | mg/L | 1 | 03/22/22 16:20 | EPA200.8 |    | AES |
| Molybdenum* | <0.0005 | 0.0005 | 0.00008 | mg/L | 1 | 03/22/22 16:20 | EPA200.8 |    | AES |
| Selenium*   | <0.0010 | 0.0010 | 0.0006  | mg/L | 1 | 03/22/22 16:20 | EPA200.8 |    | AES |
| Uranium     | <0.0005 | 0.0005 | 0.0001  | mg/L | 1 | 03/22/22 16:20 | EPA200.8 |    | AES |
| Zinc*       | <0.0020 | 0.0020 | 0.0003  | mg/L | 1 | 03/22/22 16:20 | EPA200.8 |    | AES |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/30/22 16:22

**MW-1-A**

**2203175-01 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 03/21/22 14:26 | EPA245.1 |  | DTR |
| Cation/Anion Balance | -4.41   |        |         |      |   |                |          |  |     |

Green Analytical Laboratories

*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/30/22 16:22

**MW-1-C****2203175-02 (Ground Water)**

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

**General Chemistry**

|                                                |        |       |        |           |    |                |          |  |     |
|------------------------------------------------|--------|-------|--------|-----------|----|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 510    | 10.0  | 2.27   | mg/L      | 5  | 03/23/22 09:00 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 5  | 03/23/22 09:00 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 5  | 03/23/22 09:00 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 510    | 10.0  | 2.27   | mg/L      | 5  | 03/23/22 09:00 | 2320 B   |  | VJW |
| Chloride*                                      | 4.87   | 2.00  | 0.0608 | mg/L      | 2  | 03/21/22 15:44 | EPA300.0 |  | AES |
| Fluoride*                                      | 0.712  | 0.200 | 0.0194 | mg/L      | 2  | 03/21/22 15:44 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.012  | mg/L as N | 1  | 03/22/22 15:00 | EPA353.2 |  | DTR |
| pH*                                            | 7.22   |       |        | pH Units  | 1  | 03/18/22 13:25 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 20.3   |       |        | pH Units  | 1  | 03/18/22 13:25 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 1680   | 10.0  |        | mg/L      | 1  | 03/23/22 16:55 | EPA160.1 |  | VJW |
| Sulfate*                                       | 805    | 50.0  | 6.20   | mg/L      | 50 | 03/29/22 15:54 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 1.79   | 0.500 | 0.175  | mg/L      | 1  | 03/22/22 22:06 | 5310C    |  | DTR |

**Dissolved Metals by ICP**

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/23/22 11:47 | EPA200.7    |  | AES |
| Calcium*                      | 142    | 0.100 | 0.024  | mg/L | 1 | 03/23/22 11:47 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 750    | 2.31  | 0.692  | mg/L | 5 | 03/23/22 15:09 | 2340 B      |  | AES |
| Iron*                         | 0.630  | 0.050 | 0.036  | mg/L | 1 | 03/23/22 11:47 | EPA200.7    |  | AES |
| Magnesium*                    | 95.7   | 0.500 | 0.154  | mg/L | 5 | 03/23/22 15:09 | EPA200.7    |  | AES |
| Potassium*                    | 2.68   | 1.00  | 0.065  | mg/L | 1 | 03/23/22 11:47 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 14.2   | 1.07  | 0.0683 | mg/L | 1 | 03/23/22 11:47 | Calculation |  | AES |
| Silicon                       | 6.66   | 0.500 | 0.032  | mg/L | 1 | 03/23/22 11:47 | EPA200.7    |  | AES |
| Sodium*                       | 229    | 1.00  | 0.106  | mg/L | 1 | 03/23/22 11:47 | EPA200.7    |  | AES |

**Dissolved Metals by ICPMS**

|             |         |        |         |      |   |                |          |    |     |
|-------------|---------|--------|---------|------|---|----------------|----------|----|-----|
| Arsenic*    | 0.0009  | 0.0005 | 0.0002  | mg/L | 1 | 03/22/22 16:22 | EPA200.8 |    | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 03/22/22 16:22 | EPA200.8 |    | AES |
| Copper*     | 0.0093  | 0.0005 | 0.00008 | mg/L | 1 | 03/22/22 16:22 | EPA200.8 | B2 | AES |
| Lead*       | <0.0005 | 0.0005 | 0.00009 | mg/L | 1 | 03/22/22 16:22 | EPA200.8 |    | AES |
| Manganese*  | 0.0362  | 0.0005 | 0.00009 | mg/L | 1 | 03/22/22 16:22 | EPA200.8 |    | AES |
| Molybdenum* | <0.0005 | 0.0005 | 0.00008 | mg/L | 1 | 03/22/22 16:22 | EPA200.8 |    | AES |
| Selenium*   | <0.0010 | 0.0010 | 0.0006  | mg/L | 1 | 03/22/22 16:22 | EPA200.8 |    | AES |
| Uranium     | 0.0008  | 0.0005 | 0.0001  | mg/L | 1 | 03/22/22 16:22 | EPA200.8 |    | AES |
| Zinc*       | 0.0021  | 0.0020 | 0.0003  | mg/L | 1 | 03/22/22 16:22 | EPA200.8 |    | AES |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/30/22 16:22

**MW-1-C**

**2203175-02 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 03/21/22 14:26 | EPA245.1 |  | DTR |
| Cation/Anion Balance | -4.06   |        |         |      |   |                |          |  |     |

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*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
03/30/22 16:22

## General Chemistry - Quality Control

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

## Batch B220729 - General Prep - Wet Chem

Duplicate (B220729-DUP2) Source: 2203177-01 Prepared &amp; Analyzed: 03/18/22

|                           |      |  |          |      |  |  |  |       |     |  |
|---------------------------|------|--|----------|------|--|--|--|-------|-----|--|
| pH                        | 8.29 |  | pH Units | 8.28 |  |  |  | 0.121 | 20  |  |
| pH Temperature, degrees C | 20.5 |  | pH Units | 20.5 |  |  |  | 0.00  | 200 |  |

Reference (B220729-SRM1) Prepared &amp; Analyzed: 03/18/22

|    |      |  |          |      |  |     |              |  |  |  |
|----|------|--|----------|------|--|-----|--------------|--|--|--|
| pH | 7.00 |  | pH Units | 7.00 |  | 100 | 98.57-101.42 |  |  |  |
|----|------|--|----------|------|--|-----|--------------|--|--|--|

## Batch B220735 - IC- Ion Chromatograph

Blank (B220735-BLK1) Prepared &amp; Analyzed: 03/21/22

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

LCS (B220735-BS1) Prepared &amp; Analyzed: 03/21/22

|          |      |       |      |      |  |      |        |  |  |  |
|----------|------|-------|------|------|--|------|--------|--|--|--|
| Chloride | 24.3 | 1.00  | mg/L | 25.0 |  | 97.2 | 90-110 |  |  |  |
| Fluoride | 2.44 | 0.100 | mg/L | 2.50 |  | 97.4 | 90-110 |  |  |  |
| Sulfate  | 24.2 | 1.00  | mg/L | 25.0 |  | 96.8 | 90-110 |  |  |  |

LCS Dup (B220735-BSD1) Prepared &amp; Analyzed: 03/21/22

|          |      |       |      |      |  |      |        |       |    |  |
|----------|------|-------|------|------|--|------|--------|-------|----|--|
| Chloride | 24.0 | 1.00  | mg/L | 25.0 |  | 96.1 | 90-110 | 1.13  | 20 |  |
| Fluoride | 2.40 | 0.100 | mg/L | 2.50 |  | 96.0 | 90-110 | 1.41  | 20 |  |
| Sulfate  | 24.2 | 1.00  | mg/L | 25.0 |  | 96.6 | 90-110 | 0.194 | 20 |  |

## Batch B220737 - General Prep - Wet Chem

Blank (B220737-BLK1) Prepared &amp; Analyzed: 03/23/22

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

LCS (B220737-BS1) Prepared &amp; Analyzed: 03/23/22

|                                  |     |      |      |     |  |     |        |  |  |  |
|----------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|
| Alkalinity, Bicarbonate as CaCO3 | 100 | 10.0 | mg/L | 100 |  | 100 | 85-115 |  |  |  |
| Alkalinity, Carbonate as CaCO3   | ND  | 10.0 | mg/L |     |  |     | 85-115 |  |  |  |
| Alkalinity, Hydroxide as CaCO3   | ND  | 10.0 | mg/L |     |  |     | 85-115 |  |  |  |
| Alkalinity, Total as CaCO3       | 100 | 10.0 | mg/L | 100 |  | 100 | 85-115 |  |  |  |

LCS Dup (B220737-BSD1) Prepared &amp; Analyzed: 03/23/22

|                                  |     |      |      |     |  |     |        |      |    |  |
|----------------------------------|-----|------|------|-----|--|-----|--------|------|----|--|
| Alkalinity, Bicarbonate as CaCO3 | 110 | 10.0 | mg/L | 100 |  | 110 | 85-115 | 9.52 | 20 |  |
|----------------------------------|-----|------|------|-----|--|-----|--------|------|----|--|

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
03/30/22 16:22General Chemistry - Quality Control  
(Continued)

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

## Batch B220737 - General Prep - Wet Chem (Continued)

## LCS Dup (B220737-BSD1) (Continued)

Prepared &amp; Analyzed: 03/23/22

|                                            |     |      |      |     |  |     |        |      |    |  |
|--------------------------------------------|-----|------|------|-----|--|-----|--------|------|----|--|
| Alkalinity, Carbonate as CaCO <sub>3</sub> | ND  | 10.0 | mg/L |     |  |     | 85-115 |      | 20 |  |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> | ND  | 10.0 | mg/L |     |  |     | 85-115 |      | 20 |  |
| Alkalinity, Total as CaCO <sub>3</sub>     | 110 | 10.0 | mg/L | 100 |  | 110 | 85-115 | 9.52 | 20 |  |

## Batch B220740 - Lachat

## Blank (B220740-BLK1)

Prepared: 03/21/22 Analyzed: 03/22/22

|                      |    |       |           |  |  |  |  |  |  |  |
|----------------------|----|-------|-----------|--|--|--|--|--|--|--|
| Nitrate/Nitrite as N | ND | 0.020 | mg/L as N |  |  |  |  |  |  |  |
|----------------------|----|-------|-----------|--|--|--|--|--|--|--|

## LCS (B220740-BS1)

Prepared: 03/21/22 Analyzed: 03/22/22

|                      |       |       |           |      |  |      |        |  |  |  |
|----------------------|-------|-------|-----------|------|--|------|--------|--|--|--|
| Nitrate/Nitrite as N | 0.993 | 0.020 | mg/L as N | 1.00 |  | 99.3 | 90-110 |  |  |  |
|----------------------|-------|-------|-----------|------|--|------|--------|--|--|--|

## LCS Dup (B220740-BSD1)

Prepared: 03/21/22 Analyzed: 03/22/22

|                      |       |       |           |      |  |      |        |       |    |  |
|----------------------|-------|-------|-----------|------|--|------|--------|-------|----|--|
| Nitrate/Nitrite as N | 0.996 | 0.020 | mg/L as N | 1.00 |  | 99.6 | 90-110 | 0.241 | 20 |  |
|----------------------|-------|-------|-----------|------|--|------|--------|-------|----|--|

## Batch B220754 - General Prep - Wet Chem

## Blank (B220754-BLK1)

Prepared &amp; Analyzed: 03/22/22

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

## LCS (B220754-BS1)

Prepared &amp; Analyzed: 03/22/22

|                      |      |       |      |      |  |      |        |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|
| Total Organic Carbon | 9.98 | 0.500 | mg/L | 10.0 |  | 99.8 | 85-115 |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|

## LCS Dup (B220754-BSD1)

Prepared &amp; Analyzed: 03/22/22

|                      |      |       |      |      |  |     |        |       |    |  |
|----------------------|------|-------|------|------|--|-----|--------|-------|----|--|
| Total Organic Carbon | 10.0 | 0.500 | mg/L | 10.0 |  | 100 | 85-115 | 0.470 | 20 |  |
|----------------------|------|-------|------|------|--|-----|--------|-------|----|--|

## Batch B220764 - General Prep - Wet Chem

## Blank (B220764-BLK1)

Prepared &amp; Analyzed: 03/23/22

|                        |    |      |      |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|
| Total Dissolved Solids | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|

## Duplicate (B220764-DUP1)

Source: 2203174-02

Prepared &amp; Analyzed: 03/23/22

|                        |      |      |      |  |      |  |  |       |    |  |
|------------------------|------|------|------|--|------|--|--|-------|----|--|
| Total Dissolved Solids | 2500 | 10.0 | mg/L |  | 2530 |  |  | 0.994 | 20 |  |
|------------------------|------|------|------|--|------|--|--|-------|----|--|

## Reference (B220764-SRM1)

Prepared &amp; Analyzed: 03/23/22

|                        |     |      |      |     |  |     |        |  |  |  |
|------------------------|-----|------|------|-----|--|-----|--------|--|--|--|
| Total Dissolved Solids | 640 | 10.0 | mg/L | 600 |  | 107 | 85-115 |  |  |  |
|------------------------|-----|------|------|-----|--|-----|--------|--|--|--|

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Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/30/22 16:22

### Dissolved Metals by ICP - Quality Control

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

#### Batch B220741 - Dissolved ICP

##### Blank (B220741-BLK1)

Prepared: 03/21/22 Analyzed: 03/23/22

|           |    |       |      |
|-----------|----|-------|------|
| 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 (B220741-BS1)

Prepared: 03/21/22 Analyzed: 03/23/22

|           |      |       |      |      |     |        |
|-----------|------|-------|------|------|-----|--------|
| Aluminum  | 5.31 | 0.050 | mg/L | 5.00 | 106 | 85-115 |
| Calcium   | 5.18 | 0.100 | mg/L | 5.00 | 104 | 85-115 |
| Iron      | 5.24 | 0.050 | mg/L | 5.00 | 105 | 85-115 |
| Magnesium | 26.8 | 0.100 | mg/L | 25.0 | 107 | 85-115 |
| Potassium | 10.9 | 1.00  | mg/L | 10.0 | 109 | 85-115 |
| Silicon   | 5.43 | 0.500 | mg/L | 5.00 | 109 | 85-115 |
| Sodium    | 4.42 | 1.00  | mg/L | 4.05 | 109 | 85-115 |

##### LCS Dup (B220741-BSD1)

Prepared: 03/21/22 Analyzed: 03/23/22

|           |      |       |      |      |      |        |      |    |
|-----------|------|-------|------|------|------|--------|------|----|
| Aluminum  | 4.85 | 0.050 | mg/L | 5.00 | 97.0 | 85-115 | 9.02 | 20 |
| Calcium   | 4.69 | 0.100 | mg/L | 5.00 | 93.8 | 85-115 | 9.90 | 20 |
| Iron      | 4.75 | 0.050 | mg/L | 5.00 | 95.0 | 85-115 | 9.76 | 20 |
| Magnesium | 24.1 | 0.100 | mg/L | 25.0 | 96.6 | 85-115 | 10.5 | 20 |
| Potassium | 9.82 | 1.00  | mg/L | 10.0 | 98.2 | 85-115 | 10.4 | 20 |
| Silicon   | 4.94 | 0.500 | mg/L | 5.00 | 98.8 | 85-115 | 9.54 | 20 |
| Sodium    | 3.96 | 1.00  | mg/L | 4.05 | 97.8 | 85-115 | 11.0 | 20 |

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/30/22 16:22

### Dissolved Metals by ICPMS - Quality Control

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

#### Batch B220742 - Dissolved ICPMS

##### Blank (B220742-BLK1)

Prepared: 03/21/22 Analyzed: 03/22/22

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0005 | mg/L |
| Cadmium    | ND | 0.0005 | mg/L |
| Copper     | ND | 0.0005 | 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 (B220742-BS1)

Prepared: 03/21/22 Analyzed: 03/22/22

|            |        |        |      |        |      |        |
|------------|--------|--------|------|--------|------|--------|
| Arsenic    | 0.0511 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |
| Cadmium    | 0.0490 | 0.0005 | mg/L | 0.0500 | 98.0 | 85-115 |
| Copper     | 0.0468 | 0.0005 | mg/L | 0.0500 | 93.6 | 85-115 |
| Lead       | 0.0492 | 0.0005 | mg/L | 0.0500 | 98.5 | 85-115 |
| Manganese  | 0.0510 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |
| Molybdenum | 0.0509 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |
| Selenium   | 0.256  | 0.0010 | mg/L | 0.250  | 102  | 85-115 |
| Uranium    | 0.0520 | 0.0005 | mg/L | 0.0500 | 104  | 85-115 |
| Zinc       | 0.0512 | 0.0020 | mg/L | 0.0500 | 102  | 85-115 |

##### LCS Dup (B220742-BSD1)

Prepared: 03/21/22 Analyzed: 03/22/22

|            |        |        |      |        |      |        |        |    |
|------------|--------|--------|------|--------|------|--------|--------|----|
| Arsenic    | 0.0512 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 0.141  | 20 |
| Cadmium    | 0.0448 | 0.0005 | mg/L | 0.0500 | 89.6 | 85-115 | 8.90   | 20 |
| Copper     | 0.0468 | 0.0005 | mg/L | 0.0500 | 93.6 | 85-115 | 0.0284 | 20 |
| Lead       | 0.0499 | 0.0005 | mg/L | 0.0500 | 99.8 | 85-115 | 1.37   | 20 |
| Manganese  | 0.0511 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 0.141  | 20 |
| Molybdenum | 0.0508 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 0.190  | 20 |
| Selenium   | 0.257  | 0.0010 | mg/L | 0.250  | 103  | 85-115 | 0.407  | 20 |
| Uranium    | 0.0522 | 0.0005 | mg/L | 0.0500 | 104  | 85-115 | 0.305  | 20 |
| Zinc       | 0.0507 | 0.0020 | mg/L | 0.0500 | 101  | 85-115 | 0.977  | 20 |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/30/22 16:22

### Dissolved Mercury by CVAA - Quality Control

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

#### Batch B220726 - EPA 245.1/7470

##### Blank (B220726-BLK1)

Prepared & Analyzed: 03/21/22

|         |    |        |      |
|---------|----|--------|------|
| Mercury | ND | 0.0002 | mg/L |
|---------|----|--------|------|

##### LCS (B220726-BS1)

Prepared & Analyzed: 03/21/22

|         |        |        |      |         |     |        |
|---------|--------|--------|------|---------|-----|--------|
| Mercury | 0.0050 | 0.0002 | mg/L | 0.00500 | 100 | 85-115 |
|---------|--------|--------|------|---------|-----|--------|

##### LCS Dup (B220726-BSD1)

Prepared & Analyzed: 03/21/22

|         |        |        |      |         |     |        |      |    |
|---------|--------|--------|------|---------|-----|--------|------|----|
| Mercury | 0.0051 | 0.0002 | mg/L | 0.00500 | 102 | 85-115 | 1.25 | 20 |
|---------|--------|--------|------|---------|-----|--------|------|----|

### Notes and Definitions

|     |                                                                                                                                                                                                                    |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M5  | Sample was chosen for matrix spike. Spike recovery did not meet laboratory acceptance criteria, possible matrix interference in sample.                                                                            |
| 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                                                                                                                                                                                             |

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Debbie Zufelt, Reports Manager

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**75 Suttle St Durango, CO**

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
970.247.4227 Fax  
[www.greenanalytical.com](http://www.greenanalytical.com)

07 March 2022

Tom Bird  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: GCC GW Baseline

Enclosed are the results of analyses for samples received by the laboratory on 02/24/22 15:30. 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 black ink that reads 'Debbie Zufelt'.

Debbie Zufelt  
Reports Manager

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: T104704514-22-13

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: T104704398-21-14



dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

www.GreenAnalytical.com

GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/07/22 08:26

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| MW-3-MI   | 2202244-01    | Water  | 02/24/22 12:12 | 02/24/22 15:30 |       |
| MW-3-A    | 2202244-02    | Water  | 02/24/22 12:50 | 02/24/22 15:30 |       |
| MW-3-C    | 2202244-03    | Water  | 02/24/22 13:37 | 02/24/22 15:30 |       |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
03/07/22 08:26

## MW-3-MI

## 2202244-01 (Ground Water)

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

## General Chemistry

|                                                |        |       |        |           |    |                |          |  |     |
|------------------------------------------------|--------|-------|--------|-----------|----|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 580    | 10.0  | 2.27   | mg/L      | 10 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 160    | 10.0  | 2.27   | mg/L      | 10 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 10 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 740    | 10.0  | 2.27   | mg/L      | 10 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Chloride*                                      | 10.6   | 2.00  | 0.0608 | mg/L      | 2  | 03/03/22 04:35 | EPA300.0 |  | AES |
| Fluoride*                                      | 1.10   | 0.200 | 0.0194 | mg/L      | 2  | 03/03/22 04:35 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.012  | mg/L as N | 1  | 03/02/22 13:24 | EPA353.2 |  | DTR |
| pH*                                            | 8.78   |       |        | pH Units  | 1  | 02/25/22 12:55 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 23.3   |       |        | pH Units  | 1  | 02/25/22 12:55 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 1070   | 10.0  |        | mg/L      | 1  | 03/02/22 12:25 | EPA160.1 |  | VJW |
| Sulfate*                                       | 233    | 10.0  | 1.24   | mg/L      | 10 | 03/03/22 05:36 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 5.14   | 0.500 | 0.175  | mg/L      | 1  | 03/03/22 14:47 | 5310C    |  | DTR |

## Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/02/22 12:55 | EPA200.7    |  | AES |
| Calcium*                      | 1.30   | 0.100 | 0.024  | mg/L | 1 | 03/02/22 12:55 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 5.28   | 0.662 | 0.186  | mg/L | 1 | 03/02/22 12:55 | 2340 B      |  | AES |
| Iron*                         | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/02/22 12:55 | EPA200.7    |  | AES |
| Magnesium*                    | 0.496  | 0.100 | 0.031  | mg/L | 1 | 03/02/22 12:55 | EPA200.7    |  | AES |
| Potassium*                    | 1.27   | 1.00  | 0.065  | mg/L | 1 | 03/02/22 12:55 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 9.04   | 1.07  | 0.0683 | mg/L | 1 | 03/02/22 12:55 | Calculation |  | AES |
| Silicon                       | 4.22   | 0.500 | 0.032  | mg/L | 1 | 03/02/22 12:55 | EPA200.7    |  | AES |
| Sodium*                       | 413    | 5.00  | 0.528  | mg/L | 5 | 03/02/22 13:43 | EPA200.7    |  | AES |

## Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |          |  |     |
|-------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Arsenic*    | 0.0095  | 0.0005 | 0.0002  | mg/L | 1 | 03/03/22 12:31 | EPA200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 03/03/22 12:31 | EPA200.8 |  | AES |
| Copper*     | 0.0072  | 0.0005 | 0.00008 | mg/L | 1 | 03/03/22 12:31 | EPA200.8 |  | AES |
| Lead*       | <0.0005 | 0.0005 | 0.00009 | mg/L | 1 | 03/03/22 12:31 | EPA200.8 |  | AES |
| Manganese*  | 0.0051  | 0.0005 | 0.00009 | mg/L | 1 | 03/03/22 12:31 | EPA200.8 |  | AES |
| Molybdenum* | 0.0148  | 0.0005 | 0.00008 | mg/L | 1 | 03/03/22 12:31 | EPA200.8 |  | AES |
| Selenium*   | 0.0018  | 0.0010 | 0.0006  | mg/L | 1 | 03/03/22 14:18 | EPA200.8 |  | AES |
| Uranium     | 0.0035  | 0.0005 | 0.0001  | mg/L | 1 | 03/03/22 12:31 | EPA200.8 |  | AES |
| Zinc*       | <0.0020 | 0.0020 | 0.0003  | mg/L | 1 | 03/03/22 12:31 | EPA200.8 |  | AES |

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Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/07/22 08:26

**MW-3-MI**

**2202244-01 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 03/04/22 10:29 | EPA245.1 |  | DTR |
| Cation/Anion Balance | -5.09   |        |         |      |   |                |          |  |     |

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*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
03/07/22 08:26

## MW-3-A

## 2202244-02 (Ground Water)

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

## General Chemistry

|                                                |       |       |        |           |    |                |          |  |     |
|------------------------------------------------|-------|-------|--------|-----------|----|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 455   | 10.0  | 2.27   | mg/L      | 5  | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 40.0  | 10.0  | 2.27   | mg/L      | 5  | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0 | 10.0  | 2.27   | mg/L      | 5  | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 495   | 10.0  | 2.27   | mg/L      | 5  | 03/03/22 11:35 | 2320 B   |  | VJW |
| Chloride*                                      | 14.2  | 2.00  | 0.0608 | mg/L      | 2  | 03/03/22 05:57 | EPA300.0 |  | AES |
| Fluoride*                                      | 0.356 | 0.200 | 0.0194 | mg/L      | 2  | 03/03/22 05:57 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | 0.022 | 0.020 | 0.012  | mg/L as N | 1  | 03/02/22 13:28 | EPA353.2 |  | DTR |
| pH*                                            | 8.17  |       |        | pH Units  | 1  | 02/25/22 12:55 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 23.3  |       |        | pH Units  | 1  | 02/25/22 12:55 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 1220  | 10.0  |        | mg/L      | 1  | 03/02/22 12:25 | EPA160.1 |  | VJW |
| Sulfate*                                       | 584   | 20.0  | 2.48   | mg/L      | 20 | 03/03/22 06:17 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 2.96  | 0.500 | 0.175  | mg/L      | 1  | 03/03/22 15:04 | 5310C    |  | DTR |

## Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/02/22 12:59 | EPA200.7    |  | AES |
| Calcium*                      | 2.42   | 0.100 | 0.024  | mg/L | 1 | 03/02/22 12:59 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 8.56   | 0.662 | 0.186  | mg/L | 1 | 03/02/22 12:59 | 2340 B      |  | AES |
| Iron*                         | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/02/22 12:59 | EPA200.7    |  | AES |
| Magnesium*                    | 0.610  | 0.100 | 0.031  | mg/L | 1 | 03/02/22 12:59 | EPA200.7    |  | AES |
| Potassium*                    | 1.34   | 1.00  | 0.065  | mg/L | 1 | 03/02/22 12:59 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 10.8   | 1.07  | 0.0683 | mg/L | 1 | 03/02/22 12:59 | Calculation |  | AES |
| Silicon                       | 5.07   | 0.500 | 0.032  | mg/L | 1 | 03/02/22 12:59 | EPA200.7    |  | AES |
| Sodium*                       | 462    | 5.00  | 0.528  | mg/L | 5 | 03/02/22 13:50 | EPA200.7    |  | AES |

## Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |          |  |     |
|-------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Arsenic*    | 0.0009  | 0.0005 | 0.0002  | mg/L | 1 | 03/03/22 12:32 | EPA200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 03/03/22 12:32 | EPA200.8 |  | AES |
| Copper*     | 0.0088  | 0.0005 | 0.00008 | mg/L | 1 | 03/03/22 12:32 | EPA200.8 |  | AES |
| Lead*       | <0.0005 | 0.0005 | 0.00009 | mg/L | 1 | 03/03/22 12:32 | EPA200.8 |  | AES |
| Manganese*  | 0.0113  | 0.0005 | 0.00009 | mg/L | 1 | 03/03/22 12:32 | EPA200.8 |  | AES |
| Molybdenum* | 0.0012  | 0.0005 | 0.00008 | mg/L | 1 | 03/03/22 12:32 | EPA200.8 |  | AES |
| Selenium*   | 0.0162  | 0.0010 | 0.0006  | mg/L | 1 | 03/03/22 14:20 | EPA200.8 |  | AES |
| Uranium     | 0.0005  | 0.0005 | 0.0001  | mg/L | 1 | 03/03/22 12:32 | EPA200.8 |  | AES |
| Zinc*       | <0.0020 | 0.0020 | 0.0003  | mg/L | 1 | 03/03/22 12:32 | EPA200.8 |  | AES |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/07/22 08:26

**MW-3-A**

**2202244-02 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 03/04/22 10:29 | EPA245.1 |  | DTR |
| Cation/Anion Balance | -2.56   |        |         |      |   |                |          |  |     |

Green Analytical Laboratories

*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:26

**MW-3-C****2202244-03 (Ground Water)**

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

**General Chemistry**

|                                                |        |       |        |           |    |                |          |  |     |
|------------------------------------------------|--------|-------|--------|-----------|----|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 1820   | 10.0  | 2.27   | mg/L      | 10 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 360    | 10.0  | 2.27   | mg/L      | 10 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 10 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 2180   | 10.0  | 2.27   | mg/L      | 10 | 03/03/22 11:35 | 2320 B   |  | VJW |
| Chloride*                                      | 608    | 25.0  | 0.760  | mg/L      | 25 | 03/03/22 06:58 | EPA300.0 |  | AES |
| Fluoride*                                      | 3.37   | 0.500 | 0.0486 | mg/L      | 5  | 03/03/22 06:37 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.012  | mg/L as N | 1  | 03/02/22 13:29 | EPA353.2 |  | DTR |
| pH*                                            | 8.44   |       |        | pH Units  | 1  | 02/25/22 12:55 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 24.1   |       |        | pH Units  | 1  | 02/25/22 12:55 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 3270   | 10.0  |        | mg/L      | 1  | 03/02/22 12:25 | EPA160.1 |  | VJW |
| Sulfate*                                       | <5.00  | 5.00  | 0.620  | mg/L      | 5  | 03/03/22 06:37 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 17.9   | 5.00  | 1.75   | mg/L      | 10 | 03/04/22 09:28 | 5310C    |  | DTR |

**Dissolved Metals by ICP**

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.180 | mg/L | 5 | 03/02/22 13:03 | EPA200.7    |  | AES |
| Calcium*                      | 3.66   | 0.500 | 0.118 | mg/L | 5 | 03/02/22 13:03 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 16.0   | 3.31  | 0.928 | mg/L | 5 | 03/02/22 13:03 | 2340 B      |  | AES |
| Iron*                         | 0.260  | 0.250 | 0.178 | mg/L | 5 | 03/02/22 13:03 | EPA200.7    |  | AES |
| Magnesium*                    | 1.67   | 0.500 | 0.154 | mg/L | 5 | 03/02/22 13:03 | EPA200.7    |  | AES |
| Potassium*                    | <5.00  | 5.00  | 0.325 | mg/L | 5 | 03/02/22 13:03 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 7.79   | 5.35  | 0.341 | mg/L | 5 | 03/02/22 13:03 | Calculation |  | AES |
| Silicon                       | 3.64   | 2.50  | 0.160 | mg/L | 5 | 03/02/22 13:03 | EPA200.7    |  | AES |
| Sodium*                       | 1200   | 5.00  | 0.528 | mg/L | 5 | 03/02/22 13:03 | EPA200.7    |  | AES |

**Dissolved Metals by ICPMS**

|             |         |        |        |      |   |                |          |  |     |
|-------------|---------|--------|--------|------|---|----------------|----------|--|-----|
| Arsenic*    | 0.0157  | 0.0025 | 0.0012 | mg/L | 5 | 03/03/22 12:34 | EPA200.8 |  | AES |
| Cadmium*    | <0.0025 | 0.0025 | 0.0001 | mg/L | 5 | 03/03/22 12:34 | EPA200.8 |  | AES |
| Copper*     | 0.0287  | 0.0025 | 0.0004 | mg/L | 5 | 03/03/22 12:34 | EPA200.8 |  | AES |
| Lead*       | <0.0025 | 0.0025 | 0.0004 | mg/L | 5 | 03/03/22 12:34 | EPA200.8 |  | AES |
| Manganese*  | 0.0028  | 0.0025 | 0.0005 | mg/L | 5 | 03/03/22 12:34 | EPA200.8 |  | AES |
| Molybdenum* | 0.0059  | 0.0025 | 0.0004 | mg/L | 5 | 03/03/22 12:34 | EPA200.8 |  | AES |
| Selenium*   | 0.0335  | 0.0050 | 0.0030 | mg/L | 5 | 03/03/22 14:21 | EPA200.8 |  | AES |
| Uranium     | <0.0025 | 0.0025 | 0.0005 | mg/L | 5 | 03/03/22 12:34 | EPA200.8 |  | AES |
| Zinc*       | 0.0404  | 0.0100 | 0.0014 | mg/L | 5 | 03/03/22 12:34 | EPA200.8 |  | AES |

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/07/22 08:26

**MW-3-C**

**2202244-03 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 03/04/22 10:29 | EPA245.1 |  | DTR |
| Cation/Anion Balance | -5.88   |        |         |      |   |                |          |  |     |

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*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:26

### General Chemistry - Quality Control

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

#### Batch B220528 - General Prep - Wet Chem

##### Duplicate (B220528-DUP1)

Source: 2202245-01 Prepared & Analyzed: 02/25/22

|                           |      |  |          |  |      |  |  |       |     |  |
|---------------------------|------|--|----------|--|------|--|--|-------|-----|--|
| pH                        | 7.25 |  | pH Units |  | 7.21 |  |  | 0.553 | 20  |  |
| pH Temperature, degrees C | 23.1 |  | pH Units |  | 23.9 |  |  | 3.40  | 200 |  |

##### Reference (B220528-SRM1)

Prepared & Analyzed: 02/25/22

|    |      |  |          |      |  |     |              |  |  |  |
|----|------|--|----------|------|--|-----|--------------|--|--|--|
| pH | 7.00 |  | pH Units | 7.00 |  | 100 | 98.57-101.42 |  |  |  |
|----|------|--|----------|------|--|-----|--------------|--|--|--|

#### Batch B220548 - Lachat

##### Blank (B220548-BLK1)

Prepared & Analyzed: 03/02/22

|                      |    |       |           |  |  |  |  |  |  |  |
|----------------------|----|-------|-----------|--|--|--|--|--|--|--|
| Nitrate/Nitrite as N | ND | 0.020 | mg/L as N |  |  |  |  |  |  |  |
|----------------------|----|-------|-----------|--|--|--|--|--|--|--|

##### LCS (B220548-BS1)

Prepared & Analyzed: 03/02/22

|                      |      |       |           |      |  |     |        |  |  |  |
|----------------------|------|-------|-----------|------|--|-----|--------|--|--|--|
| Nitrate/Nitrite as N | 1.02 | 0.020 | mg/L as N | 1.00 |  | 102 | 90-110 |  |  |  |
|----------------------|------|-------|-----------|------|--|-----|--------|--|--|--|

##### LCS Dup (B220548-BSD1)

Prepared & Analyzed: 03/02/22

|                      |      |       |           |      |  |     |        |        |    |  |
|----------------------|------|-------|-----------|------|--|-----|--------|--------|----|--|
| Nitrate/Nitrite as N | 1.02 | 0.020 | mg/L as N | 1.00 |  | 102 | 90-110 | 0.0587 | 20 |  |
|----------------------|------|-------|-----------|------|--|-----|--------|--------|----|--|

#### Batch B220557 - General Prep - Wet Chem

##### Blank (B220557-BLK1)

Prepared & Analyzed: 03/02/22

|                        |    |      |      |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|
| Total Dissolved Solids | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|

##### Duplicate (B220557-DUP1)

Source: 2202238-03 Prepared & Analyzed: 03/02/22

|                        |     |      |      |  |     |  |  |       |    |  |
|------------------------|-----|------|------|--|-----|--|--|-------|----|--|
| Total Dissolved Solids | 510 | 10.0 | mg/L |  | 505 |  |  | 0.958 | 20 |  |
|------------------------|-----|------|------|--|-----|--|--|-------|----|--|

##### Reference (B220557-SRM1)

Prepared & Analyzed: 03/02/22

|                        |     |      |      |     |  |      |        |  |  |  |
|------------------------|-----|------|------|-----|--|------|--------|--|--|--|
| Total Dissolved Solids | 590 | 10.0 | mg/L | 600 |  | 98.3 | 85-115 |  |  |  |
|------------------------|-----|------|------|-----|--|------|--------|--|--|--|

#### Batch B220565 - IC- Ion Chromatograph

##### Blank (B220565-BLK1)

Prepared & Analyzed: 03/02/22

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

##### LCS (B220565-BS1)

Prepared & Analyzed: 03/02/22

|          |      |       |      |      |  |      |        |  |  |  |
|----------|------|-------|------|------|--|------|--------|--|--|--|
| Chloride | 24.9 | 1.00  | mg/L | 25.0 |  | 99.6 | 90-110 |  |  |  |
| Fluoride | 2.64 | 0.100 | mg/L | 2.50 |  | 105  | 90-110 |  |  |  |
| Sulfate  | 25.0 | 1.00  | mg/L | 25.0 |  | 100  | 90-110 |  |  |  |

##### LCS Dup (B220565-BSD1)

Prepared & Analyzed: 03/02/22

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:26

**General Chemistry - Quality Control  
(Continued)**

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

**Batch B220565 - IC- Ion Chromatograph (Continued)**

**LCS Dup (B220565-BSD1) (Continued)**

Prepared & Analyzed: 03/02/22

|          |      |       |      |      |  |      |        |       |    |  |
|----------|------|-------|------|------|--|------|--------|-------|----|--|
| Chloride | 24.9 | 1.00  | mg/L | 25.0 |  | 99.8 | 90-110 | 0.112 | 20 |  |
| Fluoride | 2.63 | 0.100 | mg/L | 2.50 |  | 105  | 90-110 | 0.190 | 20 |  |
| Sulfate  | 25.8 | 1.00  | mg/L | 25.0 |  | 103  | 90-110 | 2.96  | 20 |  |

**Batch B220575 - General Prep - Wet Chem**

**Blank (B220575-BLK1)**

Prepared & Analyzed: 03/03/22

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

**LCS (B220575-BS1)**

Prepared & Analyzed: 03/03/22

|                      |      |       |      |      |  |      |        |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|
| Total Organic Carbon | 9.88 | 0.500 | mg/L | 10.0 |  | 98.8 | 85-115 |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|

**LCS Dup (B220575-BSD1)**

Prepared & Analyzed: 03/03/22

|                      |      |       |      |      |  |      |        |      |    |  |
|----------------------|------|-------|------|------|--|------|--------|------|----|--|
| Total Organic Carbon | 9.98 | 0.500 | mg/L | 10.0 |  | 99.8 | 85-115 | 1.03 | 20 |  |
|----------------------|------|-------|------|------|--|------|--------|------|----|--|

**Batch B220580 - General Prep - Wet Chem**

**Blank (B220580-BLK1)**

Prepared & Analyzed: 03/03/22

|                                              |    |      |      |  |  |  |  |  |  |  |
|----------------------------------------------|----|------|------|--|--|--|--|--|--|--|
| 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 (B220580-BS1)**

Prepared & Analyzed: 03/03/22

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

**LCS Dup (B220580-BSD1)**

Prepared & Analyzed: 03/03/22

|                                              |     |      |      |     |  |     |        |       |    |  |
|----------------------------------------------|-----|------|------|-----|--|-----|--------|-------|----|--|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 105 | 10.0 | mg/L | 100 |  | 105 | 85-115 | 0.948 | 20 |  |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |  |     | 85-115 |       | 20 |  |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |  |     | 85-115 |       | 20 |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | 105 | 10.0 | mg/L | 100 |  | 105 | 85-115 | 0.948 | 20 |  |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:26

### Dissolved Metals by ICP - Quality Control

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

#### Batch B220561 - Dissolved ICP

##### Blank (B220561-BLK1)

Prepared &amp; Analyzed: 03/02/22

|           |    |       |      |
|-----------|----|-------|------|
| 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 (B220561-BS1)

Prepared &amp; Analyzed: 03/02/22

|           |      |       |      |      |      |        |
|-----------|------|-------|------|------|------|--------|
| Aluminum  | 4.79 | 0.050 | mg/L | 5.00 | 95.8 | 85-115 |
| Calcium   | 4.56 | 0.100 | mg/L | 5.00 | 91.2 | 85-115 |
| Iron      | 4.41 | 0.050 | mg/L | 5.00 | 88.2 | 85-115 |
| Magnesium | 23.7 | 0.100 | mg/L | 25.0 | 94.8 | 85-115 |
| Potassium | 9.29 | 1.00  | mg/L | 10.0 | 92.9 | 85-115 |
| Silicon   | 4.90 | 0.500 | mg/L | 5.00 | 97.9 | 85-115 |
| Sodium    | 3.83 | 1.00  | mg/L | 4.05 | 94.6 | 85-115 |

##### LCS Dup (B220561-BSD1)

Prepared &amp; Analyzed: 03/02/22

|           |      |       |      |      |      |        |       |    |
|-----------|------|-------|------|------|------|--------|-------|----|
| Aluminum  | 4.87 | 0.050 | mg/L | 5.00 | 97.4 | 85-115 | 1.59  | 20 |
| Calcium   | 4.54 | 0.100 | mg/L | 5.00 | 90.8 | 85-115 | 0.429 | 20 |
| Iron      | 4.49 | 0.050 | mg/L | 5.00 | 89.7 | 85-115 | 1.74  | 20 |
| Magnesium | 23.6 | 0.100 | mg/L | 25.0 | 94.5 | 85-115 | 0.382 | 20 |
| Potassium | 9.52 | 1.00  | mg/L | 10.0 | 95.2 | 85-115 | 2.47  | 20 |
| Silicon   | 4.92 | 0.500 | mg/L | 5.00 | 98.4 | 85-115 | 0.419 | 20 |
| Sodium    | 3.81 | 1.00  | mg/L | 4.05 | 94.2 | 85-115 | 0.456 | 20 |

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:26

### Dissolved Metals by ICPMS - Quality Control

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

#### Batch B220563 - Dissolved ICPMS

##### Blank (B220563-BLK1)

Prepared: 03/02/22 Analyzed: 03/03/22

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0005 | mg/L |
| Cadmium    | ND | 0.0005 | mg/L |
| Copper     | ND | 0.0005 | 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 (B220563-BS1)

Prepared: 03/02/22 Analyzed: 03/03/22

|            |        |        |      |        |      |        |
|------------|--------|--------|------|--------|------|--------|
| Arsenic    | 0.0476 | 0.0005 | mg/L | 0.0500 | 95.2 | 85-115 |
| Cadmium    | 0.0510 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |
| Copper     | 0.0500 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 |
| Lead       | 0.0500 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 |
| Manganese  | 0.0535 | 0.0005 | mg/L | 0.0500 | 107  | 85-115 |
| Molybdenum | 0.0509 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |
| Selenium   | 0.255  | 0.0010 | mg/L | 0.250  | 102  | 85-115 |
| Uranium    | 0.0537 | 0.0005 | mg/L | 0.0500 | 107  | 85-115 |
| Zinc       | 0.0507 | 0.0020 | mg/L | 0.0500 | 101  | 85-115 |

##### LCS Dup (B220563-BSD1)

Prepared: 03/02/22 Analyzed: 03/03/22

|            |        |        |      |        |      |        |       |    |
|------------|--------|--------|------|--------|------|--------|-------|----|
| Arsenic    | 0.0497 | 0.0005 | mg/L | 0.0500 | 99.3 | 85-115 | 4.25  | 20 |
| Cadmium    | 0.0509 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 0.208 | 20 |
| Copper     | 0.0494 | 0.0005 | mg/L | 0.0500 | 98.9 | 85-115 | 1.25  | 20 |
| Lead       | 0.0510 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 2.04  | 20 |
| Manganese  | 0.0542 | 0.0005 | mg/L | 0.0500 | 108  | 85-115 | 1.15  | 20 |
| Molybdenum | 0.0510 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 0.234 | 20 |
| Selenium   | 0.252  | 0.0010 | mg/L | 0.250  | 101  | 85-115 | 0.999 | 20 |
| Uranium    | 0.0558 | 0.0005 | mg/L | 0.0500 | 112  | 85-115 | 3.88  | 20 |
| Zinc       | 0.0510 | 0.0020 | mg/L | 0.0500 | 102  | 85-115 | 0.638 | 20 |

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:26

### Dissolved Mercury by CVAA - Quality Control

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

#### Batch B220582 - EPA 245.1/7470

##### Blank (B220582-BLK1)

Prepared: 03/03/22 Analyzed: 03/04/22

|         |    |        |      |  |  |  |  |  |  |  |
|---------|----|--------|------|--|--|--|--|--|--|--|
| Mercury | ND | 0.0002 | mg/L |  |  |  |  |  |  |  |
|---------|----|--------|------|--|--|--|--|--|--|--|

##### LCS (B220582-BS1)

Prepared: 03/03/22 Analyzed: 03/04/22

|         |        |        |      |         |  |      |        |  |  |  |
|---------|--------|--------|------|---------|--|------|--------|--|--|--|
| Mercury | 0.0050 | 0.0002 | mg/L | 0.00500 |  | 99.9 | 85-115 |  |  |  |
|---------|--------|--------|------|---------|--|------|--------|--|--|--|

##### LCS Dup (B220582-BSD1)

Prepared: 03/03/22 Analyzed: 03/04/22

|         |        |        |      |         |  |     |        |       |    |  |
|---------|--------|--------|------|---------|--|-----|--------|-------|----|--|
| Mercury | 0.0050 | 0.0002 | mg/L | 0.00500 |  | 101 | 85-115 | 0.778 | 20 |  |
|---------|--------|--------|------|---------|--|-----|--------|-------|----|--|

### Notes and Definitions

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

Debbie Zufelt, Reports Manager

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dzufelt@greenanalytical.com  
75 Suttle St Durango, CO

FORM-006  
COC - Revision 6.0

Page 14 of 14 2202244 GAL FINAL 03 07 22 0826 03/07/22 08:27:07



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
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[www.greenanalytical.com](http://www.greenanalytical.com)

07 March 2022

Tom Bird  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: GCC GW Baseline

Enclosed are the results of analyses for samples received by the laboratory on 02/23/22 15:20. 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 black ink that reads 'Debbie Zufelt'.

Debbie Zufelt  
Reports Manager

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: T104704514-22-13

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: T104704398-21-14



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/07/22 08:20

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| MW-4-MI   | 2202228-01    | Water  | 02/23/22 10:03 | 02/23/22 15:20 |       |
| MW-4-A    | 2202228-02    | Water  | 02/23/22 10:46 | 02/23/22 15:20 |       |
| MW-4-C    | 2202228-03    | Water  | 02/23/22 11:46 | 02/23/22 15:20 |       |
| MW-99-C   | 2202228-04    | Water  | 02/23/22 12:42 | 02/23/22 15:20 |       |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
03/07/22 08:20

## MW-4-MI

## 2202228-01 (Ground Water)

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

## General Chemistry

|                                                |        |       |        |           |   |                |          |  |     |
|------------------------------------------------|--------|-------|--------|-----------|---|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 825    | 10.0  | 2.27   | mg/L      | 5 | 03/03/22 08:30 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 110    | 10.0  | 2.27   | mg/L      | 5 | 03/03/22 08:30 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 5 | 03/03/22 08:30 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 935    | 10.0  | 2.27   | mg/L      | 5 | 03/03/22 08:30 | 2320 B   |  | VJW |
| Chloride*                                      | 4.55   | 2.00  | 0.0608 | mg/L      | 2 | 02/28/22 20:13 | EPA300.0 |  | AES |
| Fluoride*                                      | 5.16   | 0.200 | 0.0194 | mg/L      | 2 | 02/28/22 20:13 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.012  | mg/L as N | 1 | 03/02/22 10:54 | EPA353.2 |  | DTR |
| pH*                                            | 8.35   |       |        | pH Units  | 1 | 02/24/22 14:10 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 17.5   |       |        | pH Units  | 1 | 02/24/22 14:10 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 1100   | 10.0  |        | mg/L      | 1 | 03/02/22 12:25 | EPA160.1 |  | VJW |
| Sulfate*                                       | 13.4   | 2.00  | 0.248  | mg/L      | 2 | 02/28/22 20:13 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 4.80   | 0.500 | 0.175  | mg/L      | 1 | 03/03/22 11:41 | 5310C    |  | DTR |

## Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.100 | 0.100 | 0.072 | mg/L | 2 | 03/01/22 16:31 | EPA200.7    |  | AES |
| Calcium*                      | 1.05   | 0.200 | 0.047 | mg/L | 2 | 03/01/22 16:31 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 4.17   | 1.32  | 0.371 | mg/L | 2 | 03/01/22 16:31 | 2340 B      |  | AES |
| Iron*                         | <0.100 | 0.100 | 0.071 | mg/L | 2 | 03/01/22 16:31 | EPA200.7    |  | AES |
| Magnesium*                    | 0.372  | 0.200 | 0.062 | mg/L | 2 | 03/01/22 16:31 | EPA200.7    |  | AES |
| Potassium*                    | <2.00  | 2.00  | 0.130 | mg/L | 2 | 03/01/22 16:31 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 8.49   | 2.14  | 0.137 | mg/L | 2 | 03/01/22 16:31 | Calculation |  | AES |
| Silicon                       | 3.97   | 1.00  | 0.064 | mg/L | 2 | 03/01/22 16:31 | EPA200.7    |  | AES |
| Sodium*                       | 430    | 2.00  | 0.211 | mg/L | 2 | 03/01/22 16:31 | EPA200.7    |  | AES |

## Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |          |  |     |
|-------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Arsenic*    | 0.0120  | 0.0005 | 0.0002  | mg/L | 1 | 02/28/22 17:10 | EPA200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 02/28/22 17:10 | EPA200.8 |  | AES |
| Copper*     | 0.0116  | 0.0005 | 0.00008 | mg/L | 1 | 02/28/22 17:10 | EPA200.8 |  | AES |
| Lead*       | <0.0005 | 0.0005 | 0.00009 | mg/L | 1 | 02/28/22 17:10 | EPA200.8 |  | AES |
| Manganese*  | 0.0076  | 0.0005 | 0.00009 | mg/L | 1 | 02/28/22 17:10 | EPA200.8 |  | AES |
| Molybdenum* | 0.0065  | 0.0005 | 0.00008 | mg/L | 1 | 02/28/22 17:10 | EPA200.8 |  | AES |
| Selenium*   | <0.0010 | 0.0010 | 0.0006  | mg/L | 1 | 02/28/22 17:10 | EPA200.8 |  | AES |
| Uranium     | 0.0089  | 0.0005 | 0.0001  | mg/L | 1 | 02/28/22 17:10 | EPA200.8 |  | AES |
| Zinc*       | <0.0020 | 0.0020 | 0.0003  | mg/L | 1 | 02/28/22 17:10 | EPA200.8 |  | AES |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/07/22 08:20

**MW-4-MI**

**2202228-01 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 03/04/22 10:29 | EPA245.1 |  | DTR |
| Cation/Anion Balance | 2.6     |        |         |      |   |                |          |  |     |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:20

**MW-4-A****2202228-02 (Ground Water)**

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

**General Chemistry**

|                                                |        |       |        |           |    |                |          |  |     |
|------------------------------------------------|--------|-------|--------|-----------|----|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 485    | 10.0  | 2.27   | mg/L      | 5  | 03/03/22 08:30 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 50.0   | 10.0  | 2.27   | mg/L      | 5  | 03/03/22 08:30 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 5  | 03/03/22 08:30 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 535    | 10.0  | 2.27   | mg/L      | 5  | 03/03/22 08:30 | 2320 B   |  | VJW |
| Chloride*                                      | 9.04   | 2.00  | 0.0608 | mg/L      | 2  | 02/28/22 20:33 | EPA300.0 |  | AES |
| Fluoride*                                      | <0.200 | 0.200 | 0.0194 | mg/L      | 2  | 02/28/22 20:33 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.012  | mg/L as N | 1  | 03/02/22 10:57 | EPA353.2 |  | DTR |
| pH*                                            | 8.24   |       |        | pH Units  | 1  | 02/24/22 14:10 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 17.4   |       |        | pH Units  | 1  | 02/24/22 14:10 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 1400   | 10.0  |        | mg/L      | 1  | 03/02/22 12:25 | EPA160.1 |  | VJW |
| Sulfate*                                       | 581    | 20.0  | 2.48   | mg/L      | 20 | 02/28/22 20:54 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 3.31   | 0.500 | 0.175  | mg/L      | 1  | 03/03/22 12:04 | 5310C    |  | DTR |

**Dissolved Metals by ICP**

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.100 | 0.100 | 0.072 | mg/L | 2 | 03/01/22 16:35 | EPA200.7    |  | AES |
| Calcium*                      | 1.87   | 0.200 | 0.047 | mg/L | 2 | 03/01/22 16:35 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 8.32   | 1.32  | 0.371 | mg/L | 2 | 03/01/22 16:35 | 2340 B      |  | AES |
| Iron*                         | <0.100 | 0.100 | 0.071 | mg/L | 2 | 03/01/22 16:35 | EPA200.7    |  | AES |
| Magnesium*                    | 0.890  | 0.200 | 0.062 | mg/L | 2 | 03/01/22 16:35 | EPA200.7    |  | AES |
| Potassium*                    | <2.00  | 2.00  | 0.130 | mg/L | 2 | 03/01/22 16:35 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 9.75   | 2.14  | 0.137 | mg/L | 2 | 03/01/22 16:35 | Calculation |  | AES |
| Silicon                       | 4.56   | 1.00  | 0.064 | mg/L | 2 | 03/01/22 16:35 | EPA200.7    |  | AES |
| Sodium*                       | 504    | 2.00  | 0.211 | mg/L | 2 | 03/01/22 16:35 | EPA200.7    |  | AES |

**Dissolved Metals by ICPMS**

|             |         |        |         |      |   |                |          |  |     |
|-------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Arsenic*    | 0.0008  | 0.0005 | 0.0002  | mg/L | 1 | 03/03/22 11:34 | EPA200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 03/03/22 11:34 | EPA200.8 |  | AES |
| Copper*     | 0.0097  | 0.0005 | 0.00008 | mg/L | 1 | 03/03/22 11:34 | EPA200.8 |  | AES |
| Lead*       | <0.0005 | 0.0005 | 0.00009 | mg/L | 1 | 03/03/22 11:34 | EPA200.8 |  | AES |
| Manganese*  | 0.0032  | 0.0005 | 0.00009 | mg/L | 1 | 03/03/22 11:34 | EPA200.8 |  | AES |
| Molybdenum* | <0.0005 | 0.0005 | 0.00008 | mg/L | 1 | 03/03/22 11:34 | EPA200.8 |  | AES |
| Selenium*   | 0.0010  | 0.0010 | 0.0006  | mg/L | 1 | 03/03/22 11:34 | EPA200.8 |  | AES |
| Uranium     | <0.0005 | 0.0005 | 0.0001  | mg/L | 1 | 03/03/22 11:34 | EPA200.8 |  | AES |
| Zinc*       | <0.0020 | 0.0020 | 0.0003  | mg/L | 1 | 03/03/22 11:34 | EPA200.8 |  | AES |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:20

**MW-4-A**

**2202228-02 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 03/04/22 10:29 | EPA245.1 |  | DTR |
| Cation/Anion Balance | .34     |        |         |      |   |                |          |  |     |

Green Analytical Laboratories

*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:20

**MW-4-C****2202228-03 (Ground Water)**

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

**General Chemistry**

|                                                |        |       |        |           |    |                |          |    |     |
|------------------------------------------------|--------|-------|--------|-----------|----|----------------|----------|----|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 2180   | 10.0  | 2.27   | mg/L      | 10 | 03/03/22 08:30 | 2320 B   |    | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 180    | 10.0  | 2.27   | mg/L      | 10 | 03/03/22 08:30 | 2320 B   |    | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 10 | 03/03/22 08:30 | 2320 B   |    | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 2360   | 10.0  | 2.27   | mg/L      | 10 | 03/03/22 08:30 | 2320 B   |    | VJW |
| Chloride*                                      | 562    | 25.0  | 0.760  | mg/L      | 25 | 02/28/22 21:34 | EPA300.0 |    | AES |
| Fluoride*                                      | 2.26   | 0.500 | 0.0486 | mg/L      | 5  | 02/28/22 21:14 | EPA300.0 |    | AES |
| Nitrate/Nitrite as N*                          | <0.040 | 0.040 | 0.024  | mg/L as N | 2  | 03/02/22 10:16 | EPA353.2 | E8 | DTR |
| pH*                                            | 8.01   |       |        | pH Units  | 1  | 02/24/22 14:10 | EPA150.1 |    | VJW |
| pH Temperature, degrees C                      | 17.6   |       |        | pH Units  | 1  | 02/24/22 14:10 | EPA150.1 |    | VJW |
| Total Dissolved Solids*                        | 3520   | 10.0  |        | mg/L      | 1  | 03/02/22 12:25 | EPA160.1 |    | VJW |
| Sulfate*                                       | <5.00  | 5.00  | 0.620  | mg/L      | 5  | 02/28/22 21:14 | EPA300.0 |    | AES |
| Total Organic Carbon*                          | 5.93   | 0.500 | 0.175  | mg/L      | 1  | 03/03/22 12:24 | 5310C    |    | DTR |

**Dissolved Metals by ICP**

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.180 | mg/L | 5 | 03/01/22 16:39 | EPA200.7    |  | AES |
| Calcium*                      | 5.04   | 0.500 | 0.118 | mg/L | 5 | 03/01/22 16:39 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 22.2   | 3.31  | 0.928 | mg/L | 5 | 03/01/22 16:39 | 2340 B      |  | AES |
| Iron*                         | 0.598  | 0.250 | 0.178 | mg/L | 5 | 03/01/22 16:39 | EPA200.7    |  | AES |
| Magnesium*                    | 2.33   | 0.500 | 0.154 | mg/L | 5 | 03/01/22 16:39 | EPA200.7    |  | AES |
| Potassium*                    | <5.00  | 5.00  | 0.325 | mg/L | 5 | 03/01/22 16:39 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 9.28   | 5.35  | 0.341 | mg/L | 5 | 03/01/22 16:39 | Calculation |  | AES |
| Silicon                       | 4.34   | 2.50  | 0.160 | mg/L | 5 | 03/01/22 16:39 | EPA200.7    |  | AES |
| Sodium*                       | 1360   | 5.00  | 0.528 | mg/L | 5 | 03/01/22 16:39 | EPA200.7    |  | AES |

**Dissolved Metals by ICPMS**

|             |         |        |        |      |   |                |          |  |     |
|-------------|---------|--------|--------|------|---|----------------|----------|--|-----|
| Arsenic*    | 0.0213  | 0.0025 | 0.0012 | mg/L | 5 | 03/03/22 11:36 | EPA200.8 |  | AES |
| Cadmium*    | <0.0025 | 0.0025 | 0.0001 | mg/L | 5 | 03/03/22 11:36 | EPA200.8 |  | AES |
| Copper*     | 0.0302  | 0.0025 | 0.0004 | mg/L | 5 | 03/03/22 11:36 | EPA200.8 |  | AES |
| Lead*       | <0.0025 | 0.0025 | 0.0004 | mg/L | 5 | 03/03/22 11:36 | EPA200.8 |  | AES |
| Manganese*  | 0.0051  | 0.0025 | 0.0005 | mg/L | 5 | 03/03/22 11:36 | EPA200.8 |  | AES |
| Molybdenum* | 0.0033  | 0.0025 | 0.0004 | mg/L | 5 | 03/03/22 11:36 | EPA200.8 |  | AES |
| Selenium*   | 0.0219  | 0.0050 | 0.0030 | mg/L | 5 | 03/03/22 11:36 | EPA200.8 |  | AES |
| Uranium     | <0.0025 | 0.0025 | 0.0005 | mg/L | 5 | 03/03/22 11:36 | EPA200.8 |  | AES |
| Zinc*       | <0.0100 | 0.0100 | 0.0014 | mg/L | 5 | 03/03/22 11:36 | EPA200.8 |  | AES |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/07/22 08:20

**MW-4-C**

**2202228-03 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|          |         |        |         |      |   |                |          |  |     |
|----------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury* | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 03/04/22 10:29 | EPA245.1 |  | DTR |
|----------|---------|--------|---------|------|---|----------------|----------|--|-----|

|                      |     |
|----------------------|-----|
| Cation/Anion Balance | 1.7 |
|----------------------|-----|

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:20

### MW-99-C

#### 2202228-04 (Ground Water)

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

#### General Chemistry

|                                                |        |       |        |           |    |                |          |    |     |
|------------------------------------------------|--------|-------|--------|-----------|----|----------------|----------|----|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 2310   | 10.0  | 2.27   | mg/L      | 10 | 03/03/22 08:30 | 2320 B   |    | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 200    | 10.0  | 2.27   | mg/L      | 10 | 03/03/22 08:30 | 2320 B   |    | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 10 | 03/03/22 08:30 | 2320 B   |    | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 2510   | 10.0  | 2.27   | mg/L      | 10 | 03/03/22 08:30 | 2320 B   |    | VJW |
| Chloride*                                      | 579    | 25.0  | 0.760  | mg/L      | 25 | 02/28/22 22:15 | EPA300.0 |    | AES |
| Fluoride*                                      | 2.25   | 0.500 | 0.0486 | mg/L      | 5  | 02/28/22 21:55 | EPA300.0 |    | AES |
| Nitrate/Nitrite as N*                          | <0.040 | 0.040 | 0.024  | mg/L as N | 2  | 03/02/22 10:17 | EPA353.2 | E8 | DTR |
| pH*                                            | 7.99   |       |        | pH Units  | 1  | 02/24/22 14:10 | EPA150.1 |    | VJW |
| pH Temperature, degrees C                      | 17.8   |       |        | pH Units  | 1  | 02/24/22 14:10 | EPA150.1 |    | VJW |
| Total Dissolved Solids*                        | 3520   | 10.0  |        | mg/L      | 1  | 03/02/22 12:25 | EPA160.1 |    | VJW |
| Sulfate*                                       | <5.00  | 5.00  | 0.620  | mg/L      | 5  | 02/28/22 21:55 | EPA300.0 |    | AES |
| Total Organic Carbon*                          | 5.07   | 0.500 | 0.175  | mg/L      | 1  | 03/03/22 12:52 | 5310C    |    | DTR |

#### Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.180 | mg/L | 5 | 03/01/22 16:43 | EPA200.7    |  | AES |
| Calcium*                      | 5.18   | 0.500 | 0.118 | mg/L | 5 | 03/01/22 16:43 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 22.4   | 3.31  | 0.928 | mg/L | 5 | 03/01/22 16:43 | 2340 B      |  | AES |
| Iron*                         | 0.686  | 0.250 | 0.178 | mg/L | 5 | 03/01/22 16:43 | EPA200.7    |  | AES |
| Magnesium*                    | 2.29   | 0.500 | 0.154 | mg/L | 5 | 03/01/22 16:43 | EPA200.7    |  | AES |
| Potassium*                    | <5.00  | 5.00  | 0.325 | mg/L | 5 | 03/01/22 16:43 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 9.54   | 5.35  | 0.341 | mg/L | 5 | 03/01/22 16:43 | Calculation |  | AES |
| Silicon                       | 4.46   | 2.50  | 0.160 | mg/L | 5 | 03/01/22 16:43 | EPA200.7    |  | AES |
| Sodium*                       | 1370   | 5.00  | 0.528 | mg/L | 5 | 03/01/22 16:43 | EPA200.7    |  | AES |

#### Dissolved Metals by ICPMS

|             |         |        |        |      |   |                |          |  |     |
|-------------|---------|--------|--------|------|---|----------------|----------|--|-----|
| Arsenic*    | 0.0216  | 0.0025 | 0.0012 | mg/L | 5 | 03/03/22 11:37 | EPA200.8 |  | AES |
| Cadmium*    | <0.0025 | 0.0025 | 0.0001 | mg/L | 5 | 03/03/22 11:37 | EPA200.8 |  | AES |
| Copper*     | 0.0354  | 0.0025 | 0.0004 | mg/L | 5 | 03/03/22 11:37 | EPA200.8 |  | AES |
| Lead*       | <0.0025 | 0.0025 | 0.0004 | mg/L | 5 | 03/03/22 11:37 | EPA200.8 |  | AES |
| Manganese*  | 0.0051  | 0.0025 | 0.0005 | mg/L | 5 | 03/03/22 11:37 | EPA200.8 |  | AES |
| Molybdenum* | 0.0032  | 0.0025 | 0.0004 | mg/L | 5 | 03/03/22 11:37 | EPA200.8 |  | AES |
| Selenium*   | 0.0207  | 0.0050 | 0.0030 | mg/L | 5 | 03/03/22 11:37 | EPA200.8 |  | AES |
| Uranium     | <0.0025 | 0.0025 | 0.0005 | mg/L | 5 | 03/03/22 11:37 | EPA200.8 |  | AES |
| Zinc*       | <0.0100 | 0.0100 | 0.0014 | mg/L | 5 | 03/03/22 11:37 | EPA200.8 |  | AES |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/07/22 08:20

**MW-99-C**

**2202228-04 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 03/04/22 10:29 | EPA245.1 |  | DTR |
| Cation/Anion Balance | -.67    |        |         |      |   |                |          |  |     |

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:20

### General Chemistry - Quality Control

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

#### Batch B220521 - General Prep - Wet Chem

##### Blank (B220521-BLK1)

Prepared: 02/25/22 Analyzed: 03/03/22

|                                              |    |      |      |
|----------------------------------------------|----|------|------|
| 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 (B220521-BS1)

Prepared: 02/25/22 Analyzed: 03/03/22

|                                              |     |      |      |     |     |        |
|----------------------------------------------|-----|------|------|-----|-----|--------|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 102 | 10.0 | mg/L | 100 | 102 | 85-115 |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |     | 85-115 |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |     | 85-115 |
| Alkalinity, Total as CaCO <sub>3</sub>       | 102 | 10.0 | mg/L | 100 | 102 | 85-115 |

##### LCS Dup (B220521-BSD1)

Prepared: 02/25/22 Analyzed: 03/03/22

|                                              |     |      |      |     |     |        |      |    |
|----------------------------------------------|-----|------|------|-----|-----|--------|------|----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 104 | 10.0 | mg/L | 100 | 104 | 85-115 | 1.94 | 20 |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |     | 85-115 |      | 20 |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |     | 85-115 |      | 20 |
| Alkalinity, Total as CaCO <sub>3</sub>       | 104 | 10.0 | mg/L | 100 | 104 | 85-115 | 1.94 | 20 |

#### Batch B220527 - General Prep - Wet Chem

##### Duplicate (B220527-DUP1)

Source: 2202228-01 Prepared &amp; Analyzed: 02/24/22

|                           |      |  |          |      |  |  |       |     |
|---------------------------|------|--|----------|------|--|--|-------|-----|
| pH                        | 8.38 |  | pH Units | 8.35 |  |  | 0.359 | 20  |
| pH Temperature, degrees C | 17.8 |  | pH Units | 17.5 |  |  | 1.70  | 200 |

##### Reference (B220527-SRM1)

Prepared &amp; Analyzed: 02/24/22

|    |      |  |          |      |     |              |
|----|------|--|----------|------|-----|--------------|
| pH | 7.00 |  | pH Units | 7.00 | 100 | 98.57-101.42 |
|----|------|--|----------|------|-----|--------------|

#### Batch B220532 - General Prep - Wet Chem

##### Blank (B220532-BLK1)

Prepared: 02/27/22 Analyzed: 03/02/22

|                        |    |      |      |
|------------------------|----|------|------|
| Total Dissolved Solids | ND | 10.0 | mg/L |
|------------------------|----|------|------|

##### Duplicate (B220532-DUP1)

Source: 2202228-01 Prepared: 02/27/22 Analyzed: 03/02/22

|                        |      |      |      |      |  |  |      |    |
|------------------------|------|------|------|------|--|--|------|----|
| Total Dissolved Solids | 1050 | 10.0 | mg/L | 1100 |  |  | 4.65 | 20 |
|------------------------|------|------|------|------|--|--|------|----|

##### Reference (B220532-SRM1)

Prepared: 02/27/22 Analyzed: 03/02/22

|                        |     |      |      |     |      |        |
|------------------------|-----|------|------|-----|------|--------|
| Total Dissolved Solids | 545 | 10.0 | mg/L | 600 | 90.8 | 85-115 |
|------------------------|-----|------|------|-----|------|--------|

#### Batch B220541 - IC- Ion Chromatograph

##### Blank (B220541-BLK1)

Prepared &amp; Analyzed: 02/28/22

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:20

**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 B220541 - IC- Ion Chromatograph (Continued)**

**Blank (B220541-BLK1) (Continued)**

Prepared & Analyzed: 02/28/22

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

**LCS (B220541-BS1)**

Prepared & Analyzed: 02/28/22

|          |      |       |      |      |     |        |  |  |  |  |
|----------|------|-------|------|------|-----|--------|--|--|--|--|
| Chloride | 25.2 | 1.00  | mg/L | 25.0 | 101 | 90-110 |  |  |  |  |
| Fluoride | 2.68 | 0.100 | mg/L | 2.50 | 107 | 90-110 |  |  |  |  |
| Sulfate  | 25.1 | 1.00  | mg/L | 25.0 | 100 | 90-110 |  |  |  |  |

**LCS Dup (B220541-BSD1)**

Prepared & Analyzed: 02/28/22

|          |      |       |      |      |     |        |       |    |  |  |
|----------|------|-------|------|------|-----|--------|-------|----|--|--|
| Chloride | 25.3 | 1.00  | mg/L | 25.0 | 101 | 90-110 | 0.421 | 20 |  |  |
| Fluoride | 2.65 | 0.100 | mg/L | 2.50 | 106 | 90-110 | 1.01  | 20 |  |  |
| Sulfate  | 25.6 | 1.00  | mg/L | 25.0 | 103 | 90-110 | 2.04  | 20 |  |  |

**Batch B220546 - Lachat**

**Blank (B220546-BLK1)**

Prepared: 03/01/22 Analyzed: 03/02/22

|                      |    |       |           |  |  |  |  |  |  |  |
|----------------------|----|-------|-----------|--|--|--|--|--|--|--|
| Nitrate/Nitrite as N | ND | 0.020 | mg/L as N |  |  |  |  |  |  |  |
|----------------------|----|-------|-----------|--|--|--|--|--|--|--|

**LCS (B220546-BS1)**

Prepared: 03/01/22 Analyzed: 03/02/22

|                      |      |       |           |      |     |        |  |  |  |  |
|----------------------|------|-------|-----------|------|-----|--------|--|--|--|--|
| Nitrate/Nitrite as N | 1.02 | 0.020 | mg/L as N | 1.00 | 102 | 90-110 |  |  |  |  |
|----------------------|------|-------|-----------|------|-----|--------|--|--|--|--|

**LCS Dup (B220546-BSD1)**

Prepared: 03/01/22 Analyzed: 03/02/22

|                      |      |       |           |      |     |        |        |    |  |  |
|----------------------|------|-------|-----------|------|-----|--------|--------|----|--|--|
| Nitrate/Nitrite as N | 1.02 | 0.020 | mg/L as N | 1.00 | 102 | 90-110 | 0.0296 | 20 |  |  |
|----------------------|------|-------|-----------|------|-----|--------|--------|----|--|--|

**Batch B220547 - Lachat**

**Blank (B220547-BLK1)**

Prepared: 03/01/22 Analyzed: 03/02/22

|                      |    |       |           |  |  |  |  |  |  |  |
|----------------------|----|-------|-----------|--|--|--|--|--|--|--|
| Nitrate/Nitrite as N | ND | 0.020 | mg/L as N |  |  |  |  |  |  |  |
|----------------------|----|-------|-----------|--|--|--|--|--|--|--|

**LCS (B220547-BS1)**

Prepared: 03/01/22 Analyzed: 03/02/22

|                      |       |       |           |      |      |        |  |  |  |  |
|----------------------|-------|-------|-----------|------|------|--------|--|--|--|--|
| Nitrate/Nitrite as N | 0.999 | 0.020 | mg/L as N | 1.00 | 99.9 | 90-110 |  |  |  |  |
|----------------------|-------|-------|-----------|------|------|--------|--|--|--|--|

**LCS Dup (B220547-BSD1)**

Prepared: 03/01/22 Analyzed: 03/02/22

|                      |      |       |           |      |     |        |       |    |  |  |
|----------------------|------|-------|-----------|------|-----|--------|-------|----|--|--|
| Nitrate/Nitrite as N | 1.00 | 0.020 | mg/L as N | 1.00 | 100 | 90-110 | 0.399 | 20 |  |  |
|----------------------|------|-------|-----------|------|-----|--------|-------|----|--|--|

**Batch B220575 - General Prep - Wet Chem**

**Blank (B220575-BLK1)**

Prepared & Analyzed: 03/03/22

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

**LCS (B220575-BS1)**

Prepared & Analyzed: 03/03/22

|                      |      |       |      |      |      |        |  |  |  |  |
|----------------------|------|-------|------|------|------|--------|--|--|--|--|
| Total Organic Carbon | 9.88 | 0.500 | mg/L | 10.0 | 98.8 | 85-115 |  |  |  |  |
|----------------------|------|-------|------|------|------|--------|--|--|--|--|

Green Analytical Laboratories

*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:20

**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 B220575 - General Prep - Wet Chem (Continued)**

**LCS Dup (B220575-BSD1)**

Prepared & Analyzed: 03/03/22

|                      |      |       |      |      |  |      |        |      |    |  |
|----------------------|------|-------|------|------|--|------|--------|------|----|--|
| Total Organic Carbon | 9.98 | 0.500 | mg/L | 10.0 |  | 99.8 | 85-115 | 1.03 | 20 |  |
|----------------------|------|-------|------|------|--|------|--------|------|----|--|

**Dissolved Metals by ICP - Quality Control**

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

**Batch B220550 - Dissolved ICP**

**Blank (B220550-BLK1)**

Prepared & Analyzed: 03/01/22

|           |    |       |      |  |  |  |  |  |  |  |
|-----------|----|-------|------|--|--|--|--|--|--|--|
| 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 (B220550-BS1)**

Prepared & Analyzed: 03/01/22

|           |      |       |      |      |  |      |        |  |  |  |
|-----------|------|-------|------|------|--|------|--------|--|--|--|
| Aluminum  | 4.77 | 0.050 | mg/L | 5.00 |  | 95.4 | 85-115 |  |  |  |
| Calcium   | 4.69 | 0.100 | mg/L | 5.00 |  | 93.8 | 85-115 |  |  |  |
| Iron      | 4.58 | 0.050 | mg/L | 5.00 |  | 91.6 | 85-115 |  |  |  |
| Magnesium | 23.9 | 0.100 | mg/L | 25.0 |  | 95.7 | 85-115 |  |  |  |
| Potassium | 9.41 | 1.00  | mg/L | 10.0 |  | 94.1 | 85-115 |  |  |  |
| Silicon   | 4.84 | 0.500 | mg/L | 5.00 |  | 96.7 | 85-115 |  |  |  |
| Sodium    | 4.00 | 1.00  | mg/L | 4.05 |  | 98.8 | 85-115 |  |  |  |

**LCS Dup (B220550-BSD1)**

Prepared & Analyzed: 03/01/22

|           |      |       |      |      |  |      |        |        |    |  |
|-----------|------|-------|------|------|--|------|--------|--------|----|--|
| Aluminum  | 4.77 | 0.050 | mg/L | 5.00 |  | 95.5 | 85-115 | 0.111  | 20 |  |
| Calcium   | 4.67 | 0.100 | mg/L | 5.00 |  | 93.4 | 85-115 | 0.349  | 20 |  |
| Iron      | 4.57 | 0.050 | mg/L | 5.00 |  | 91.4 | 85-115 | 0.247  | 20 |  |
| Magnesium | 23.9 | 0.100 | mg/L | 25.0 |  | 95.6 | 85-115 | 0.118  | 20 |  |
| Potassium | 9.41 | 1.00  | mg/L | 10.0 |  | 94.1 | 85-115 | 0.0187 | 20 |  |
| Silicon   | 4.79 | 0.500 | mg/L | 5.00 |  | 95.8 | 85-115 | 1.02   | 20 |  |
| Sodium    | 3.93 | 1.00  | mg/L | 4.05 |  | 97.0 | 85-115 | 1.88   | 20 |  |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:20

### Dissolved Metals by ICPMS - Quality Control

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

#### Batch B220542 - Dissolved ICPMS

##### Blank (B220542-BLK1)

Prepared &amp; Analyzed: 02/28/22

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0005 | mg/L |
| Cadmium    | ND | 0.0005 | mg/L |
| Copper     | ND | 0.0005 | 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 (B220542-BS1)

Prepared &amp; Analyzed: 02/28/22

|            |        |        |      |        |      |        |
|------------|--------|--------|------|--------|------|--------|
| Arsenic    | 0.0474 | 0.0005 | mg/L | 0.0500 | 94.8 | 85-115 |
| Cadmium    | 0.0495 | 0.0005 | mg/L | 0.0500 | 99.0 | 85-115 |
| Copper     | 0.0483 | 0.0005 | mg/L | 0.0500 | 96.6 | 85-115 |
| Lead       | 0.0481 | 0.0005 | mg/L | 0.0500 | 96.2 | 85-115 |
| Manganese  | 0.0500 | 0.0005 | mg/L | 0.0500 | 100  | 85-115 |
| Molybdenum | 0.0496 | 0.0005 | mg/L | 0.0500 | 99.2 | 85-115 |
| Selenium   | 0.244  | 0.0010 | mg/L | 0.250  | 97.6 | 85-115 |
| Uranium    | 0.0524 | 0.0005 | mg/L | 0.0500 | 105  | 85-115 |
| Zinc       | 0.0488 | 0.0020 | mg/L | 0.0500 | 97.6 | 85-115 |

##### LCS Dup (B220542-BSD1)

Prepared &amp; Analyzed: 02/28/22

|            |        |        |      |        |      |        |       |    |
|------------|--------|--------|------|--------|------|--------|-------|----|
| Arsenic    | 0.0489 | 0.0005 | mg/L | 0.0500 | 97.9 | 85-115 | 3.22  | 20 |
| Cadmium    | 0.0498 | 0.0005 | mg/L | 0.0500 | 99.5 | 85-115 | 0.524 | 20 |
| Copper     | 0.0479 | 0.0005 | mg/L | 0.0500 | 95.8 | 85-115 | 0.793 | 20 |
| Lead       | 0.0485 | 0.0005 | mg/L | 0.0500 | 97.0 | 85-115 | 0.830 | 20 |
| Manganese  | 0.0507 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 1.51  | 20 |
| Molybdenum | 0.0497 | 0.0005 | mg/L | 0.0500 | 99.5 | 85-115 | 0.336 | 20 |
| Selenium   | 0.247  | 0.0010 | mg/L | 0.250  | 98.9 | 85-115 | 1.33  | 20 |
| Uranium    | 0.0528 | 0.0005 | mg/L | 0.0500 | 106  | 85-115 | 0.661 | 20 |
| Zinc       | 0.0489 | 0.0020 | mg/L | 0.0500 | 97.8 | 85-115 | 0.182 | 20 |

#### Batch B220562 - Dissolved ICPMS

##### Blank (B220562-BLK1)

Prepared: 03/02/22 Analyzed: 03/03/22

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0005 | mg/L |
| Cadmium    | ND | 0.0005 | mg/L |
| Copper     | ND | 0.0005 | mg/L |
| Lead       | ND | 0.0005 | mg/L |
| Manganese  | ND | 0.0005 | mg/L |
| Molybdenum | ND | 0.0005 | mg/L |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:20

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

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

**Batch B220562 - Dissolved ICPMS (Continued)**

**Blank (B220562-BLK1) (Continued)**

Prepared: 03/02/22 Analyzed: 03/03/22

|          |    |        |      |
|----------|----|--------|------|
| Selenium | ND | 0.0010 | mg/L |
| Uranium  | ND | 0.0005 | mg/L |
| Zinc     | ND | 0.0020 | mg/L |

**LCS (B220562-BS1)**

Prepared: 03/02/22 Analyzed: 03/03/22

|            |        |        |      |        |      |        |
|------------|--------|--------|------|--------|------|--------|
| Arsenic    | 0.0494 | 0.0005 | mg/L | 0.0500 | 98.8 | 85-115 |
| Cadmium    | 0.0507 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |
| Copper     | 0.0498 | 0.0005 | mg/L | 0.0500 | 99.6 | 85-115 |
| Lead       | 0.0507 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |
| Manganese  | 0.0529 | 0.0005 | mg/L | 0.0500 | 106  | 85-115 |
| Molybdenum | 0.0508 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |
| Selenium   | 0.249  | 0.0010 | mg/L | 0.250  | 99.4 | 85-115 |
| Uranium    | 0.0540 | 0.0005 | mg/L | 0.0500 | 108  | 85-115 |
| Zinc       | 0.0514 | 0.0020 | mg/L | 0.0500 | 103  | 85-115 |

**LCS Dup (B220562-BSD1)**

Prepared: 03/02/22 Analyzed: 03/03/22

|            |        |        |      |        |      |        |        |    |
|------------|--------|--------|------|--------|------|--------|--------|----|
| Arsenic    | 0.0503 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 1.87   | 20 |
| Cadmium    | 0.0525 | 0.0005 | mg/L | 0.0500 | 105  | 85-115 | 3.49   | 20 |
| Copper     | 0.0498 | 0.0005 | mg/L | 0.0500 | 99.5 | 85-115 | 0.0890 | 20 |
| Lead       | 0.0505 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 0.275  | 20 |
| Manganese  | 0.0527 | 0.0005 | mg/L | 0.0500 | 105  | 85-115 | 0.331  | 20 |
| Molybdenum | 0.0510 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 0.352  | 20 |
| Selenium   | 0.252  | 0.0010 | mg/L | 0.250  | 101  | 85-115 | 1.19   | 20 |
| Uranium    | 0.0543 | 0.0005 | mg/L | 0.0500 | 109  | 85-115 | 0.701  | 20 |
| Zinc       | 0.0502 | 0.0020 | mg/L | 0.0500 | 100  | 85-115 | 2.27   | 20 |

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Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/07/22 08:20

### Dissolved Mercury by CVAA - Quality Control

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

#### Batch B220582 - EPA 245.1/7470

##### Blank (B220582-BLK1)

Prepared: 03/03/22 Analyzed: 03/04/22

|         |    |        |      |
|---------|----|--------|------|
| Mercury | ND | 0.0002 | mg/L |
|---------|----|--------|------|

##### LCS (B220582-BS1)

Prepared: 03/03/22 Analyzed: 03/04/22

|         |        |        |      |         |      |        |
|---------|--------|--------|------|---------|------|--------|
| Mercury | 0.0050 | 0.0002 | mg/L | 0.00500 | 99.9 | 85-115 |
|---------|--------|--------|------|---------|------|--------|

##### LCS Dup (B220582-BSD1)

Prepared: 03/03/22 Analyzed: 03/04/22

|         |        |        |      |         |     |        |       |    |
|---------|--------|--------|------|---------|-----|--------|-------|----|
| Mercury | 0.0050 | 0.0002 | mg/L | 0.00500 | 101 | 85-115 | 0.778 | 20 |
|---------|--------|--------|------|---------|-----|--------|-------|----|

### Notes and Definitions

|     |                                                                                                                                                                                                            |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E8  | Possible interference from sample matrix. Sample required dilution to eliminate an inference resulting in an elevated reporting limit.<br>Sample cannot be analyzed at a lesser dilution with this method. |
| 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

Debbie Zufelt, Reports Manager

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## FORM-006

COC - Revision 6.0

† GAL cannot always accept verbal changes. Please fax or email written change requests.



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28 March 2022

Tom Bird  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: GCC GW Baseline

Enclosed are the results of analyses for samples received by the laboratory on 03/17/22 16:15. 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 black ink that reads 'Debbie Zufelt'.

Debbie Zufelt  
Reports Manager

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: T104704514-22-13

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: T104704398-21-14



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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/28/22 11:13

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| MW-5-M1   | 2203174-01    | Water  | 03/17/22 13:31 | 03/17/22 16:15 |       |
| MW-5-C    | 2203174-02    | Water  | 03/17/22 14:01 | 03/17/22 16:15 |       |

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
03/28/22 11:13

## MW-5-M1

## 2203174-01 (Ground Water)

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

## General Chemistry

|                                                |       |       |        |           |   |                |          |  |     |
|------------------------------------------------|-------|-------|--------|-----------|---|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 875   | 10.0  | 2.27   | mg/L      | 5 | 03/23/22 09:00 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 90.0  | 10.0  | 2.27   | mg/L      | 5 | 03/23/22 09:00 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0 | 10.0  | 2.27   | mg/L      | 5 | 03/23/22 09:00 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 965   | 10.0  | 2.27   | mg/L      | 5 | 03/23/22 09:00 | 2320 B   |  | VJW |
| Chloride*                                      | 5.19  | 2.00  | 0.0608 | mg/L      | 2 | 03/21/22 13:21 | EPA300.0 |  | AES |
| Fluoride*                                      | 0.248 | 0.200 | 0.0194 | mg/L      | 2 | 03/21/22 13:21 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | 0.085 | 0.020 | 0.012  | mg/L as N | 1 | 03/22/22 14:51 | EPA353.2 |  | DTR |
| pH*                                            | 8.37  |       |        | pH Units  | 1 | 03/18/22 13:25 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 19.3  |       |        | pH Units  | 1 | 03/18/22 13:25 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 1010  | 10.0  |        | mg/L      | 1 | 03/21/22 10:55 | EPA160.1 |  | VJW |
| Sulfate*                                       | 7.30  | 2.00  | 0.248  | mg/L      | 2 | 03/21/22 13:21 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 2.49  | 0.500 | 0.175  | mg/L      | 1 | 03/22/22 19:54 | 5310C    |  | DTR |

## Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/23/22 11:36 | EPA200.7    |  | AES |
| Calcium*                      | 2.34   | 0.100 | 0.024  | mg/L | 1 | 03/23/22 11:36 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 9.16   | 0.662 | 0.186  | mg/L | 1 | 03/23/22 11:36 | 2340 B      |  | AES |
| Iron*                         | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/23/22 11:36 | EPA200.7    |  | AES |
| Magnesium*                    | 0.806  | 0.100 | 0.031  | mg/L | 1 | 03/23/22 11:36 | EPA200.7    |  | AES |
| Potassium*                    | 1.19   | 1.00  | 0.065  | mg/L | 1 | 03/23/22 11:36 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 8.33   | 1.07  | 0.0683 | mg/L | 1 | 03/23/22 11:36 | Calculation |  | AES |
| Silicon                       | 3.89   | 0.500 | 0.032  | mg/L | 1 | 03/23/22 11:36 | EPA200.7    |  | AES |
| Sodium*                       | 389    | 1.00  | 0.106  | mg/L | 1 | 03/23/22 11:36 | EPA200.7    |  | AES |

## Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |          |    |     |
|-------------|---------|--------|---------|------|---|----------------|----------|----|-----|
| Arsenic*    | 0.0104  | 0.0005 | 0.0002  | mg/L | 1 | 03/22/22 16:17 | EPA200.8 |    | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 03/22/22 16:17 | EPA200.8 |    | AES |
| Copper*     | 0.0105  | 0.0005 | 0.00008 | mg/L | 1 | 03/22/22 16:17 | EPA200.8 | B2 | AES |
| Lead*       | <0.0005 | 0.0005 | 0.00009 | mg/L | 1 | 03/22/22 16:17 | EPA200.8 |    | AES |
| Manganese*  | 0.0163  | 0.0005 | 0.00009 | mg/L | 1 | 03/22/22 16:17 | EPA200.8 |    | AES |
| Molybdenum* | 0.0023  | 0.0005 | 0.00008 | mg/L | 1 | 03/22/22 16:17 | EPA200.8 |    | AES |
| Selenium*   | <0.0010 | 0.0010 | 0.0006  | mg/L | 1 | 03/22/22 16:17 | EPA200.8 |    | AES |
| Uranium     | 0.0065  | 0.0005 | 0.0001  | mg/L | 1 | 03/22/22 16:17 | EPA200.8 |    | AES |
| Zinc*       | 0.0738  | 0.0020 | 0.0003  | mg/L | 1 | 03/22/22 16:17 | EPA200.8 |    | AES |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/28/22 11:13

**MW-5-M1**

**2203174-01 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 03/21/22 14:26 | EPA245.1 |  | DTR |
| Cation/Anion Balance | -1.49   |        |         |      |   |                |          |  |     |

Green Analytical Laboratories

*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
03/28/22 11:13

## MW-5-C

## 2203174-02 (Ground Water)

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

## General Chemistry

|                                                |        |       |        |           |    |                |          |  |     |
|------------------------------------------------|--------|-------|--------|-----------|----|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 1590   | 10.0  | 2.27   | mg/L      | 5  | 03/23/22 09:00 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 40.0   | 10.0  | 2.27   | mg/L      | 5  | 03/23/22 09:00 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 5  | 03/23/22 09:00 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 1630   | 10.0  | 2.27   | mg/L      | 5  | 03/23/22 09:00 | 2320 B   |  | VJW |
| Chloride*                                      | 5.78   | 5.00  | 0.152  | mg/L      | 5  | 03/21/22 13:41 | EPA300.0 |  | AES |
| Fluoride*                                      | 2.00   | 0.500 | 0.0486 | mg/L      | 5  | 03/21/22 13:41 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.012  | mg/L as N | 1  | 03/22/22 14:52 | EPA353.2 |  | DTR |
| pH*                                            | 7.88   |       |        | pH Units  | 1  | 03/18/22 13:25 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 19.4   |       |        | pH Units  | 1  | 03/18/22 13:25 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 2530   | 10.0  |        | mg/L      | 1  | 03/23/22 16:55 | EPA160.1 |  | VJW |
| Sulfate*                                       | 553    | 25.0  | 3.10   | mg/L      | 25 | 03/21/22 14:02 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 2.38   | 0.500 | 0.175  | mg/L      | 1  | 03/22/22 21:26 | 5310C    |  | DTR |

## Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.100 | 0.100 | 0.072 | mg/L | 2 | 03/23/22 11:51 | EPA200.7    |  | AES |
| Calcium*                      | 6.45   | 0.200 | 0.047 | mg/L | 2 | 03/23/22 11:51 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 26.8   | 1.32  | 0.371 | mg/L | 2 | 03/23/22 11:51 | 2340 B      |  | AES |
| Iron*                         | 0.130  | 0.100 | 0.071 | mg/L | 2 | 03/23/22 11:51 | EPA200.7    |  | AES |
| Magnesium*                    | 2.59   | 0.200 | 0.062 | mg/L | 2 | 03/23/22 11:51 | EPA200.7    |  | AES |
| Potassium*                    | 2.59   | 2.00  | 0.130 | mg/L | 2 | 03/23/22 11:51 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 7.12   | 2.14  | 0.137 | mg/L | 2 | 03/23/22 11:51 | Calculation |  | AES |
| Silicon                       | 3.33   | 1.00  | 0.064 | mg/L | 2 | 03/23/22 11:51 | EPA200.7    |  | AES |
| Sodium*                       | 875    | 5.00  | 0.528 | mg/L | 5 | 03/23/22 11:40 | EPA200.7    |  | AES |

## Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |          |    |     |
|-------------|---------|--------|---------|------|---|----------------|----------|----|-----|
| Arsenic*    | <0.0015 | 0.0015 | 0.0007  | mg/L | 3 | 03/22/22 16:19 | EPA200.8 |    | AES |
| Cadmium*    | <0.0015 | 0.0015 | 0.00009 | mg/L | 3 | 03/22/22 16:19 | EPA200.8 |    | AES |
| Copper*     | 0.0313  | 0.0015 | 0.0002  | mg/L | 3 | 03/22/22 16:19 | EPA200.8 | B2 | AES |
| Lead*       | <0.0015 | 0.0015 | 0.0003  | mg/L | 3 | 03/22/22 16:19 | EPA200.8 |    | AES |
| Manganese*  | 0.0049  | 0.0015 | 0.0003  | mg/L | 3 | 03/22/22 16:19 | EPA200.8 |    | AES |
| Molybdenum* | 0.0017  | 0.0015 | 0.0002  | mg/L | 3 | 03/22/22 16:19 | EPA200.8 |    | AES |
| Selenium*   | <0.0030 | 0.0030 | 0.0018  | mg/L | 3 | 03/22/22 16:19 | EPA200.8 |    | AES |
| Uranium     | <0.0015 | 0.0015 | 0.0003  | mg/L | 3 | 03/22/22 16:19 | EPA200.8 |    | AES |
| Zinc*       | <0.0060 | 0.0060 | 0.0008  | mg/L | 3 | 03/22/22 16:19 | EPA200.8 |    | AES |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
03/28/22 11:13

**MW-5-C**

**2203174-02 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 03/21/22 14:26 | EPA245.1 |  | DTR |
| Cation/Anion Balance | -.65    |        |         |      |   |                |          |  |     |

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*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/28/22 11:13

### General Chemistry - Quality Control

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

#### Batch B220716 - General Prep - Wet Chem

##### Blank (B220716-BLK1)

Prepared: 03/18/22 Analyzed: 03/21/22

|                        |    |      |      |
|------------------------|----|------|------|
| Total Dissolved Solids | ND | 10.0 | mg/L |
|------------------------|----|------|------|

##### Reference (B220716-SRM1)

Prepared: 03/18/22 Analyzed: 03/21/22

|                        |     |      |      |     |      |        |
|------------------------|-----|------|------|-----|------|--------|
| Total Dissolved Solids | 560 | 10.0 | mg/L | 600 | 93.3 | 85-115 |
|------------------------|-----|------|------|-----|------|--------|

#### Batch B220729 - General Prep - Wet Chem

##### Duplicate (B220729-DUP2)

Source: 2203177-01 Prepared &amp; Analyzed: 03/18/22

|                           |      |  |          |      |  |       |     |
|---------------------------|------|--|----------|------|--|-------|-----|
| pH                        | 8.29 |  | pH Units | 8.28 |  | 0.121 | 20  |
| pH Temperature, degrees C | 20.5 |  | pH Units | 20.5 |  | 0.00  | 200 |

##### Reference (B220729-SRM1)

Prepared &amp; Analyzed: 03/18/22

|    |      |  |          |      |     |              |
|----|------|--|----------|------|-----|--------------|
| pH | 7.00 |  | pH Units | 7.00 | 100 | 98.57-101.42 |
|----|------|--|----------|------|-----|--------------|

#### Batch B220735 - IC- Ion Chromatograph

##### Blank (B220735-BLK1)

Prepared &amp; Analyzed: 03/21/22

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

##### LCS (B220735-BS1)

Prepared &amp; Analyzed: 03/21/22

|          |      |       |      |      |      |        |
|----------|------|-------|------|------|------|--------|
| Chloride | 24.3 | 1.00  | mg/L | 25.0 | 97.2 | 90-110 |
| Fluoride | 2.44 | 0.100 | mg/L | 2.50 | 97.4 | 90-110 |
| Sulfate  | 24.2 | 1.00  | mg/L | 25.0 | 96.8 | 90-110 |

##### LCS Dup (B220735-BSD1)

Prepared &amp; Analyzed: 03/21/22

|          |      |       |      |      |      |        |       |    |
|----------|------|-------|------|------|------|--------|-------|----|
| Chloride | 24.0 | 1.00  | mg/L | 25.0 | 96.1 | 90-110 | 1.13  | 20 |
| Fluoride | 2.40 | 0.100 | mg/L | 2.50 | 96.0 | 90-110 | 1.41  | 20 |
| Sulfate  | 24.2 | 1.00  | mg/L | 25.0 | 96.6 | 90-110 | 0.194 | 20 |

#### Batch B220737 - General Prep - Wet Chem

##### Blank (B220737-BLK1)

Prepared &amp; Analyzed: 03/23/22

|                                              |    |      |      |
|----------------------------------------------|----|------|------|
| 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 (B220737-BS1)

Prepared &amp; Analyzed: 03/23/22

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
03/28/22 11:13**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 B220737 - General Prep - Wet Chem (Continued)****LCS (B220737-BS1) (Continued)**

Prepared &amp; Analyzed: 03/23/22

|                                              |     |      |      |     |  |     |        |  |  |  |
|----------------------------------------------|-----|------|------|-----|--|-----|--------|--|--|--|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 100 | 10.0 | mg/L | 100 |  | 100 | 85-115 |  |  |  |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |  |     | 85-115 |  |  |  |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |  |     | 85-115 |  |  |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | 100 | 10.0 | mg/L | 100 |  | 100 | 85-115 |  |  |  |

**LCS Dup (B220737-BSD1)**

Prepared &amp; Analyzed: 03/23/22

|                                              |     |      |      |     |  |     |        |      |    |  |
|----------------------------------------------|-----|------|------|-----|--|-----|--------|------|----|--|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 110 | 10.0 | mg/L | 100 |  | 110 | 85-115 | 9.52 | 20 |  |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |  |     | 85-115 |      | 20 |  |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |  |     | 85-115 |      | 20 |  |
| Alkalinity, Total as CaCO <sub>3</sub>       | 110 | 10.0 | mg/L | 100 |  | 110 | 85-115 | 9.52 | 20 |  |

**Batch B220740 - Lachat****Blank (B220740-BLK1)**

Prepared: 03/21/22 Analyzed: 03/22/22

|                      |    |       |           |  |  |  |  |  |  |  |
|----------------------|----|-------|-----------|--|--|--|--|--|--|--|
| Nitrate/Nitrite as N | ND | 0.020 | mg/L as N |  |  |  |  |  |  |  |
|----------------------|----|-------|-----------|--|--|--|--|--|--|--|

**LCS (B220740-BS1)**

Prepared: 03/21/22 Analyzed: 03/22/22

|                      |       |       |           |      |  |      |        |  |  |  |
|----------------------|-------|-------|-----------|------|--|------|--------|--|--|--|
| Nitrate/Nitrite as N | 0.993 | 0.020 | mg/L as N | 1.00 |  | 99.3 | 90-110 |  |  |  |
|----------------------|-------|-------|-----------|------|--|------|--------|--|--|--|

**LCS Dup (B220740-BSD1)**

Prepared: 03/21/22 Analyzed: 03/22/22

|                      |       |       |           |      |  |      |        |       |    |  |
|----------------------|-------|-------|-----------|------|--|------|--------|-------|----|--|
| Nitrate/Nitrite as N | 0.996 | 0.020 | mg/L as N | 1.00 |  | 99.6 | 90-110 | 0.241 | 20 |  |
|----------------------|-------|-------|-----------|------|--|------|--------|-------|----|--|

**Batch B220754 - General Prep - Wet Chem****Blank (B220754-BLK1)**

Prepared &amp; Analyzed: 03/22/22

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

**LCS (B220754-BS1)**

Prepared &amp; Analyzed: 03/22/22

|                      |      |       |      |      |  |      |        |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|
| Total Organic Carbon | 9.98 | 0.500 | mg/L | 10.0 |  | 99.8 | 85-115 |  |  |  |
|----------------------|------|-------|------|------|--|------|--------|--|--|--|

**LCS Dup (B220754-BSD1)**

Prepared &amp; Analyzed: 03/22/22

|                      |      |       |      |      |  |     |        |       |    |  |
|----------------------|------|-------|------|------|--|-----|--------|-------|----|--|
| Total Organic Carbon | 10.0 | 0.500 | mg/L | 10.0 |  | 100 | 85-115 | 0.470 | 20 |  |
|----------------------|------|-------|------|------|--|-----|--------|-------|----|--|

**Batch B220764 - General Prep - Wet Chem****Blank (B220764-BLK1)**

Prepared &amp; Analyzed: 03/23/22

|                        |    |      |      |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|
| Total Dissolved Solids | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|

**Duplicate (B220764-DUP1)**

Source: 2203174-02 Prepared &amp; Analyzed: 03/23/22

|                        |      |      |      |  |      |  |  |       |    |  |
|------------------------|------|------|------|--|------|--|--|-------|----|--|
| Total Dissolved Solids | 2500 | 10.0 | mg/L |  | 2530 |  |  | 0.994 | 20 |  |
|------------------------|------|------|------|--|------|--|--|-------|----|--|

**Reference (B220764-SRM1)**

Prepared &amp; Analyzed: 03/23/22

|                        |     |      |      |     |  |     |        |  |  |  |
|------------------------|-----|------|------|-----|--|-----|--------|--|--|--|
| Total Dissolved Solids | 640 | 10.0 | mg/L | 600 |  | 107 | 85-115 |  |  |  |
|------------------------|-----|------|------|-----|--|-----|--------|--|--|--|

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/28/22 11:13

### Dissolved Metals by ICP - Quality Control

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

#### Batch B220741 - Dissolved ICP

##### Blank (B220741-BLK1)

Prepared: 03/21/22 Analyzed: 03/23/22

|           |    |       |      |
|-----------|----|-------|------|
| 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 (B220741-BS1)

Prepared: 03/21/22 Analyzed: 03/23/22

|           |      |       |      |      |     |        |
|-----------|------|-------|------|------|-----|--------|
| Aluminum  | 5.31 | 0.050 | mg/L | 5.00 | 106 | 85-115 |
| Calcium   | 5.18 | 0.100 | mg/L | 5.00 | 104 | 85-115 |
| Iron      | 5.24 | 0.050 | mg/L | 5.00 | 105 | 85-115 |
| Magnesium | 26.8 | 0.100 | mg/L | 25.0 | 107 | 85-115 |
| Potassium | 10.9 | 1.00  | mg/L | 10.0 | 109 | 85-115 |
| Silicon   | 5.43 | 0.500 | mg/L | 5.00 | 109 | 85-115 |
| Sodium    | 4.42 | 1.00  | mg/L | 4.05 | 109 | 85-115 |

##### LCS Dup (B220741-BSD1)

Prepared: 03/21/22 Analyzed: 03/23/22

|           |      |       |      |      |      |        |      |    |
|-----------|------|-------|------|------|------|--------|------|----|
| Aluminum  | 4.85 | 0.050 | mg/L | 5.00 | 97.0 | 85-115 | 9.02 | 20 |
| Calcium   | 4.69 | 0.100 | mg/L | 5.00 | 93.8 | 85-115 | 9.90 | 20 |
| Iron      | 4.75 | 0.050 | mg/L | 5.00 | 95.0 | 85-115 | 9.76 | 20 |
| Magnesium | 24.1 | 0.100 | mg/L | 25.0 | 96.6 | 85-115 | 10.5 | 20 |
| Potassium | 9.82 | 1.00  | mg/L | 10.0 | 98.2 | 85-115 | 10.4 | 20 |
| Silicon   | 4.94 | 0.500 | mg/L | 5.00 | 98.8 | 85-115 | 9.54 | 20 |
| Sodium    | 3.96 | 1.00  | mg/L | 4.05 | 97.8 | 85-115 | 11.0 | 20 |

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/28/22 11:13

### Dissolved Metals by ICPMS - Quality Control

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

#### Batch B220742 - Dissolved ICPMS

##### Blank (B220742-BLK1)

Prepared: 03/21/22 Analyzed: 03/22/22

|            |    |        |      |  |  |  |  |  |  |  |
|------------|----|--------|------|--|--|--|--|--|--|--|
| Arsenic    | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Cadmium    | ND | 0.0005 | mg/L |  |  |  |  |  |  |  |
| Copper     | ND | 0.0005 | 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 (B220742-BS1)

Prepared: 03/21/22 Analyzed: 03/22/22

|            |        |        |      |        |      |        |  |  |  |  |
|------------|--------|--------|------|--------|------|--------|--|--|--|--|
| Arsenic    | 0.0511 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |  |  |  |  |
| Cadmium    | 0.0490 | 0.0005 | mg/L | 0.0500 | 98.0 | 85-115 |  |  |  |  |
| Copper     | 0.0468 | 0.0005 | mg/L | 0.0500 | 93.6 | 85-115 |  |  |  |  |
| Lead       | 0.0492 | 0.0005 | mg/L | 0.0500 | 98.5 | 85-115 |  |  |  |  |
| Manganese  | 0.0510 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |  |  |  |  |
| Molybdenum | 0.0509 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 |  |  |  |  |
| Selenium   | 0.256  | 0.0010 | mg/L | 0.250  | 102  | 85-115 |  |  |  |  |
| Uranium    | 0.0520 | 0.0005 | mg/L | 0.0500 | 104  | 85-115 |  |  |  |  |
| Zinc       | 0.0512 | 0.0020 | mg/L | 0.0500 | 102  | 85-115 |  |  |  |  |

##### LCS Dup (B220742-BSD1)

Prepared: 03/21/22 Analyzed: 03/22/22

|            |        |        |      |        |      |        |        |    |  |  |
|------------|--------|--------|------|--------|------|--------|--------|----|--|--|
| Arsenic    | 0.0512 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 0.141  | 20 |  |  |
| Cadmium    | 0.0448 | 0.0005 | mg/L | 0.0500 | 89.6 | 85-115 | 8.90   | 20 |  |  |
| Copper     | 0.0468 | 0.0005 | mg/L | 0.0500 | 93.6 | 85-115 | 0.0284 | 20 |  |  |
| Lead       | 0.0499 | 0.0005 | mg/L | 0.0500 | 99.8 | 85-115 | 1.37   | 20 |  |  |
| Manganese  | 0.0511 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 0.141  | 20 |  |  |
| Molybdenum | 0.0508 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 0.190  | 20 |  |  |
| Selenium   | 0.257  | 0.0010 | mg/L | 0.250  | 103  | 85-115 | 0.407  | 20 |  |  |
| Uranium    | 0.0522 | 0.0005 | mg/L | 0.0500 | 104  | 85-115 | 0.305  | 20 |  |  |
| Zinc       | 0.0507 | 0.0020 | mg/L | 0.0500 | 101  | 85-115 | 0.977  | 20 |  |  |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
03/28/22 11:13

### Dissolved Mercury by CVAA - Quality Control

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

#### Batch B220726 - EPA 245.1/7470

##### Blank (B220726-BLK1)

Prepared & Analyzed: 03/21/22

|         |    |        |      |
|---------|----|--------|------|
| Mercury | ND | 0.0002 | mg/L |
|---------|----|--------|------|

##### LCS (B220726-BS1)

Prepared & Analyzed: 03/21/22

|         |        |        |      |         |     |        |
|---------|--------|--------|------|---------|-----|--------|
| Mercury | 0.0050 | 0.0002 | mg/L | 0.00500 | 100 | 85-115 |
|---------|--------|--------|------|---------|-----|--------|

##### LCS Dup (B220726-BSD1)

Prepared & Analyzed: 03/21/22

|         |        |        |      |         |     |        |      |    |
|---------|--------|--------|------|---------|-----|--------|------|----|
| Mercury | 0.0051 | 0.0002 | mg/L | 0.00500 | 102 | 85-115 | 1.25 | 20 |
|---------|--------|--------|------|---------|-----|--------|------|----|

### Notes and Definitions

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

Debbie Zufelt, Reports Manager

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(970) 247-4227

**dzufelt@greenanalytical.com**  
**75 Suttle St Durango, CO 81303**

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006  
COC - Revision 6.0

[illegible]



75 Suttle Street  
Durango, CO 81303  
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[www.greenanalytical.com](http://www.greenanalytical.com)

25 February 2022

Tom Bird  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: GCC GW Baseline

Enclosed are the results of analyses for samples received by the laboratory on 02/15/22 15:30. 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 black ink that reads 'Debbie Zufelt'.

Debbie Zufelt  
Reports Manager

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: T104704514-22-13

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: T104704398-21-14



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www.GreenAnalytical.com

GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
02/25/22 13:38

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| MW-6-A    | 2202165-01    | Water  | 02/15/22 12:03 | 02/15/22 15:30 |       |
| MW-6-LM   | 2202165-02    | Water  | 02/15/22 13:34 | 02/15/22 15:30 |       |

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
02/25/22 13:38

**MW-6-A****2202165-01 (Ground Water)**

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

**General Chemistry**

|                                                |        |       |        |           |     |                |          |  |     |
|------------------------------------------------|--------|-------|--------|-----------|-----|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 285    | 10.0  | 2.27   | mg/L      | 5   | 02/21/22 10:30 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 5   | 02/21/22 10:30 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 5   | 02/21/22 10:30 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 285    | 10.0  | 2.27   | mg/L      | 5   | 02/21/22 10:30 | 2320 B   |  | VJW |
| Chloride*                                      | 26.2   | 5.00  | 0.152  | mg/L      | 5   | 02/18/22 00:34 | EPA300.0 |  | AES |
| Fluoride*                                      | <0.500 | 0.500 | 0.0486 | mg/L      | 5   | 02/18/22 00:34 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | 0.131  | 0.020 | 0.012  | mg/L as N | 1   | 02/16/22 16:24 | EPA353.2 |  | DTR |
| pH*                                            | 7.19   |       |        | pH Units  | 1   | 02/16/22 11:25 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 19.0   |       |        | pH Units  | 1   | 02/16/22 11:25 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 4440   | 10.0  |        | mg/L      | 1   | 02/16/22 16:25 | EPA160.1 |  | VJW |
| Sulfate*                                       | 2870   | 100   | 12.4   | mg/L      | 100 | 02/18/22 00:54 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 3.26   | 0.500 | 0.175  | mg/L      | 1   | 02/23/22 11:01 | 5310C    |  | DTR |

**Dissolved Metals by ICP**

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.180 | mg/L | 5 | 02/23/22 11:55 | EPA200.7    |  | AES |
| Calcium*                      | 359    | 0.500 | 0.118 | mg/L | 5 | 02/23/22 11:55 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 2440   | 3.31  | 0.928 | mg/L | 5 | 02/23/22 11:55 | 2340 B      |  | AES |
| Iron*                         | 1.41   | 0.250 | 0.178 | mg/L | 5 | 02/23/22 11:55 | EPA200.7    |  | AES |
| Magnesium*                    | 374    | 0.500 | 0.154 | mg/L | 5 | 02/23/22 11:55 | EPA200.7    |  | AES |
| Potassium*                    | 10.7   | 5.00  | 0.325 | mg/L | 5 | 02/23/22 11:55 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 12.7   | 5.35  | 0.341 | mg/L | 5 | 02/23/22 11:55 | Calculation |  | AES |
| Silicon                       | 5.96   | 2.50  | 0.160 | mg/L | 5 | 02/23/22 11:55 | EPA200.7    |  | AES |
| Sodium*                       | 257    | 5.00  | 0.528 | mg/L | 5 | 02/23/22 11:55 | EPA200.7    |  | AES |

**Dissolved Metals by ICPMS**

|             |         |        |        |      |   |                |          |  |     |
|-------------|---------|--------|--------|------|---|----------------|----------|--|-----|
| Arsenic*    | <0.0020 | 0.0020 | 0.0010 | mg/L | 4 | 02/22/22 14:51 | EPA200.8 |  | AES |
| Cadmium*    | <0.0020 | 0.0020 | 0.0001 | mg/L | 4 | 02/22/22 14:51 | EPA200.8 |  | AES |
| Copper*     | 0.0065  | 0.0020 | 0.0003 | mg/L | 4 | 02/22/22 14:51 | EPA200.8 |  | AES |
| Lead*       | <0.0020 | 0.0020 | 0.0003 | mg/L | 4 | 02/22/22 14:51 | EPA200.8 |  | AES |
| Manganese*  | 0.420   | 0.0020 | 0.0004 | mg/L | 4 | 02/22/22 14:51 | EPA200.8 |  | AES |
| Molybdenum* | <0.0020 | 0.0020 | 0.0003 | mg/L | 4 | 02/22/22 14:51 | EPA200.8 |  | AES |
| Selenium*   | <0.0040 | 0.0040 | 0.0024 | mg/L | 4 | 02/22/22 14:51 | EPA200.8 |  | AES |
| Uranium     | <0.0020 | 0.0020 | 0.0004 | mg/L | 4 | 02/22/22 14:51 | EPA200.8 |  | AES |
| Zinc*       | <0.0080 | 0.0080 | 0.0011 | mg/L | 4 | 02/22/22 14:51 | EPA200.8 |  | AES |

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Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
02/25/22 13:38

**MW-6-A**

**2202165-01 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|          |         |        |         |      |   |                |          |  |     |
|----------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury* | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 02/23/22 15:03 | EPA245.1 |  | DTR |
|----------|---------|--------|---------|------|---|----------------|----------|--|-----|

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*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
02/25/22 13:38

## MW-6-LM

## 2202165-02 (Ground Water)

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

## General Chemistry

|                                                |        |       |        |           |    |                |          |  |     |
|------------------------------------------------|--------|-------|--------|-----------|----|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 365    | 10.0  | 2.27   | mg/L      | 5  | 02/21/22 10:30 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 5  | 02/21/22 10:30 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 5  | 02/21/22 10:30 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 365    | 10.0  | 2.27   | mg/L      | 5  | 02/21/22 10:30 | 2320 B   |  | VJW |
| Chloride*                                      | 10.5   | 2.00  | 0.0608 | mg/L      | 2  | 02/18/22 01:15 | EPA300.0 |  | AES |
| Fluoride*                                      | 0.328  | 0.200 | 0.0194 | mg/L      | 2  | 02/18/22 01:15 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.012  | mg/L as N | 1  | 02/16/22 16:26 | EPA353.2 |  | DTR |
| pH*                                            | 7.54   |       |        | pH Units  | 1  | 02/16/22 11:25 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 19.6   |       |        | pH Units  | 1  | 02/16/22 11:25 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 1990   | 10.0  |        | mg/L      | 1  | 02/16/22 16:25 | EPA160.1 |  | VJW |
| Sulfate*                                       | 555    | 20.0  | 2.48   | mg/L      | 20 | 02/18/22 19:51 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 1.83   | 0.500 | 0.175  | mg/L      | 1  | 02/23/22 11:22 | 5310C    |  | DTR |

## Dissolved Metals by ICP

|                               |        |       |       |      |   |                |             |  |     |
|-------------------------------|--------|-------|-------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.250 | 0.250 | 0.180 | mg/L | 5 | 02/23/22 12:00 | EPA200.7    |  | AES |
| Calcium*                      | 159    | 0.500 | 0.118 | mg/L | 5 | 02/23/22 12:00 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 1030   | 3.31  | 0.928 | mg/L | 5 | 02/23/22 12:00 | 2340 B      |  | AES |
| Iron*                         | <0.250 | 0.250 | 0.178 | mg/L | 5 | 02/23/22 12:00 | EPA200.7    |  | AES |
| Magnesium*                    | 154    | 0.500 | 0.154 | mg/L | 5 | 02/23/22 12:00 | EPA200.7    |  | AES |
| Potassium*                    | 5.22   | 5.00  | 0.325 | mg/L | 5 | 02/23/22 12:00 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 16.0   | 5.35  | 0.341 | mg/L | 5 | 02/23/22 12:00 | Calculation |  | AES |
| Silicon                       | 7.49   | 2.50  | 0.160 | mg/L | 5 | 02/23/22 12:00 | EPA200.7    |  | AES |
| Sodium*                       | 162    | 5.00  | 0.528 | mg/L | 5 | 02/23/22 12:00 | EPA200.7    |  | AES |

## Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |          |  |     |
|-------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Arsenic*    | 0.0042  | 0.0010 | 0.0005  | mg/L | 2 | 02/22/22 14:52 | EPA200.8 |  | AES |
| Cadmium*    | <0.0010 | 0.0010 | 0.00006 | mg/L | 2 | 02/22/22 14:52 | EPA200.8 |  | AES |
| Copper*     | 0.0044  | 0.0010 | 0.0002  | mg/L | 2 | 02/22/22 14:52 | EPA200.8 |  | AES |
| Lead*       | <0.0010 | 0.0010 | 0.0002  | mg/L | 2 | 02/22/22 14:52 | EPA200.8 |  | AES |
| Manganese*  | 0.339   | 0.0010 | 0.0002  | mg/L | 2 | 02/22/22 14:52 | EPA200.8 |  | AES |
| Molybdenum* | 0.0013  | 0.0010 | 0.0002  | mg/L | 2 | 02/22/22 14:52 | EPA200.8 |  | AES |
| Selenium*   | <0.0020 | 0.0020 | 0.0012  | mg/L | 2 | 02/22/22 14:52 | EPA200.8 |  | AES |
| Uranium     | 0.0028  | 0.0010 | 0.0002  | mg/L | 2 | 02/22/22 14:52 | EPA200.8 |  | AES |
| Zinc*       | <0.0040 | 0.0040 | 0.0005  | mg/L | 2 | 02/22/22 14:52 | EPA200.8 |  | AES |

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Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
02/25/22 13:38

**MW-6-LM**

**2202165-02 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|          |         |        |         |      |   |                |          |  |     |
|----------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury* | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 02/23/22 15:03 | EPA245.1 |  | DTR |
|----------|---------|--------|---------|------|---|----------------|----------|--|-----|

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
02/25/22 13:38

### General Chemistry - Quality Control

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

#### Batch B220437 - Lachat

##### Blank (B220437-BLK1)

Prepared & Analyzed: 02/16/22

Nitrate/Nitrite as N ND 0.020 mg/L as N

##### LCS (B220437-BS1)

Prepared & Analyzed: 02/16/22

Nitrate/Nitrite as N 1.03 0.020 mg/L as N 1.00 103 90-110

##### LCS Dup (B220437-BSD1)

Prepared & Analyzed: 02/16/22

Nitrate/Nitrite as N 1.03 0.020 mg/L as N 1.00 103 90-110 0.0778 20

#### Batch B220438 - General Prep - Wet Chem

##### Blank (B220438-BLK1)

Prepared & Analyzed: 02/16/22

Total Dissolved Solids ND 10.0 mg/L

##### Duplicate (B220438-DUP1)

Source: 2202160-01 Prepared & Analyzed: 02/16/22

Total Dissolved Solids 140 10.0 mg/L 115 19.6 20

##### Reference (B220438-SRM1)

Prepared & Analyzed: 02/16/22

Total Dissolved Solids 585 10.0 mg/L 600 97.5 85-115

#### Batch B220443 - IC- Ion Chromatograph

##### Blank (B220443-BLK1)

Prepared & Analyzed: 02/17/22

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

##### LCS (B220443-BS1)

Prepared & Analyzed: 02/17/22

Chloride 24.6 1.00 mg/L 25.0 98.3 90-110  
Fluoride 2.47 0.100 mg/L 2.50 98.8 90-110  
Sulfate 25.0 1.00 mg/L 25.0 100 90-110

##### LCS Dup (B220443-BSD1)

Prepared & Analyzed: 02/17/22

Chloride 25.2 1.00 mg/L 25.0 101 90-110 2.41 20  
Fluoride 2.50 0.100 mg/L 2.50 100 90-110 1.25 20  
Sulfate 25.2 1.00 mg/L 25.0 101 90-110 0.828 20

#### Batch B220463 - General Prep - Wet Chem

##### Blank (B220463-BLK1)

Prepared: 02/18/22 Analyzed: 02/21/22

Alkalinity, Bicarbonate as CaCO3 ND 10.0 mg/L

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
02/25/22 13:38General Chemistry - Quality Control  
(Continued)

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

## Batch B220463 - General Prep - Wet Chem (Continued)

## Blank (B220463-BLK1) (Continued)

Prepared: 02/18/22 Analyzed: 02/21/22

|                                            |    |      |      |
|--------------------------------------------|----|------|------|
| 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 (B220463-BS1)

Prepared: 02/18/22 Analyzed: 02/21/22

|                                              |     |      |      |     |     |        |
|----------------------------------------------|-----|------|------|-----|-----|--------|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 103 | 10.0 | mg/L | 100 | 103 | 85-115 |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |     | 85-115 |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |     | 85-115 |
| Alkalinity, Total as CaCO <sub>3</sub>       | 103 | 10.0 | mg/L | 100 | 103 | 85-115 |

## LCS Dup (B220463-BSD1)

Prepared: 02/18/22 Analyzed: 02/21/22

|                                              |     |      |      |     |     |        |      |    |
|----------------------------------------------|-----|------|------|-----|-----|--------|------|----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 100 | 10.0 | mg/L | 100 | 100 | 85-115 | 2.96 | 20 |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |     | 85-115 |      | 20 |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | ND  | 10.0 | mg/L |     |     | 85-115 |      | 20 |
| Alkalinity, Total as CaCO <sub>3</sub>       | 100 | 10.0 | mg/L | 100 | 100 | 85-115 | 2.96 | 20 |

## Batch B220478 - General Prep - Wet Chem

## Duplicate (B220478-DUP1)

Source: 2202148-01

Prepared &amp; Analyzed: 02/16/22

|                           |      |  |          |      |  |       |     |
|---------------------------|------|--|----------|------|--|-------|-----|
| pH                        | 7.30 |  | pH Units | 7.27 |  | 0.412 | 20  |
| pH Temperature, degrees C | 20.6 |  | pH Units | 20.8 |  | 0.966 | 200 |

## Duplicate (B220478-DUP2)

Source: 2202178-01

Prepared &amp; Analyzed: 02/16/22

|                           |      |  |          |      |  |       |     |
|---------------------------|------|--|----------|------|--|-------|-----|
| pH                        | 7.58 |  | pH Units | 7.54 |  | 0.529 | 20  |
| pH Temperature, degrees C | 19.8 |  | pH Units | 19.6 |  | 1.02  | 200 |

## Reference (B220478-SRM1)

Prepared &amp; Analyzed: 02/16/22

|    |      |  |          |      |      |              |
|----|------|--|----------|------|------|--------------|
| pH | 6.99 |  | pH Units | 7.00 | 99.9 | 98.57-101.42 |
|----|------|--|----------|------|------|--------------|

## Batch B220496 - General Prep - Wet Chem

## Blank (B220496-BLK1)

Prepared &amp; Analyzed: 02/23/22

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

## LCS (B220496-BS1)

Prepared &amp; Analyzed: 02/23/22

|                      |      |       |      |      |     |        |
|----------------------|------|-------|------|------|-----|--------|
| Total Organic Carbon | 10.2 | 0.500 | mg/L | 10.0 | 102 | 85-115 |
|----------------------|------|-------|------|------|-----|--------|

## LCS Dup (B220496-BSD1)

Prepared &amp; Analyzed: 02/23/22

|                      |      |       |      |      |     |        |        |    |
|----------------------|------|-------|------|------|-----|--------|--------|----|
| Total Organic Carbon | 10.2 | 0.500 | mg/L | 10.0 | 102 | 85-115 | 0.0983 | 20 |
|----------------------|------|-------|------|------|-----|--------|--------|----|

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
02/25/22 13:38

### Dissolved Metals by ICP - Quality Control

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

#### Batch B220504 - Dissolved ICP

##### Blank (B220504-BLK1)

Prepared & Analyzed: 02/23/22

|           |    |       |      |
|-----------|----|-------|------|
| 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 (B220504-BS1)

Prepared & Analyzed: 02/23/22

|           |      |       |      |      |      |        |
|-----------|------|-------|------|------|------|--------|
| Aluminum  | 4.91 | 0.050 | mg/L | 5.00 | 98.2 | 85-115 |
| Calcium   | 4.78 | 0.100 | mg/L | 5.00 | 95.7 | 85-115 |
| Iron      | 4.82 | 0.050 | mg/L | 5.00 | 96.4 | 85-115 |
| Magnesium | 24.6 | 0.100 | mg/L | 25.0 | 98.4 | 85-115 |
| Potassium | 9.83 | 1.00  | mg/L | 10.0 | 98.3 | 85-115 |
| Silicon   | 5.23 | 0.500 | mg/L | 5.00 | 105  | 85-115 |
| Sodium    | 4.00 | 1.00  | mg/L | 4.05 | 98.9 | 85-115 |

##### LCS Dup (B220504-BSD1)

Prepared & Analyzed: 02/23/22

|           |      |       |      |      |      |        |      |    |
|-----------|------|-------|------|------|------|--------|------|----|
| Aluminum  | 4.74 | 0.050 | mg/L | 5.00 | 94.8 | 85-115 | 3.51 | 20 |
| Calcium   | 4.54 | 0.100 | mg/L | 5.00 | 90.8 | 85-115 | 5.26 | 20 |
| Iron      | 4.63 | 0.050 | mg/L | 5.00 | 92.7 | 85-115 | 3.92 | 20 |
| Magnesium | 23.5 | 0.100 | mg/L | 25.0 | 94.1 | 85-115 | 4.42 | 20 |
| Potassium | 9.55 | 1.00  | mg/L | 10.0 | 95.5 | 85-115 | 2.87 | 20 |
| Silicon   | 5.01 | 0.500 | mg/L | 5.00 | 100  | 85-115 | 4.16 | 20 |
| Sodium    | 3.83 | 1.00  | mg/L | 4.05 | 94.5 | 85-115 | 4.48 | 20 |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
02/25/22 13:38

### Dissolved Metals by ICPMS - Quality Control

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

#### Batch B220485 - Dissolved ICPMS

##### Blank (B220485-BLK1)

Prepared: 02/21/22 Analyzed: 02/22/22

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0005 | mg/L |
| Cadmium    | ND | 0.0005 | mg/L |
| Copper     | ND | 0.0005 | 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 (B220485-BS1)

Prepared: 02/21/22 Analyzed: 02/22/22

|            |        |        |      |        |      |        |
|------------|--------|--------|------|--------|------|--------|
| Arsenic    | 0.0503 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |
| Cadmium    | 0.0506 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |
| Copper     | 0.0518 | 0.0005 | mg/L | 0.0500 | 104  | 85-115 |
| Lead       | 0.0486 | 0.0005 | mg/L | 0.0500 | 97.1 | 85-115 |
| Manganese  | 0.0523 | 0.0005 | mg/L | 0.0500 | 105  | 85-115 |
| Molybdenum | 0.0503 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 |
| Selenium   | 0.256  | 0.0010 | mg/L | 0.250  | 103  | 85-115 |
| Uranium    | 0.0513 | 0.0005 | mg/L | 0.0500 | 103  | 85-115 |
| Zinc       | 0.0537 | 0.0020 | mg/L | 0.0500 | 107  | 85-115 |

##### LCS Dup (B220485-BSD1)

Prepared: 02/21/22 Analyzed: 02/22/22

|            |        |        |      |        |      |        |       |    |
|------------|--------|--------|------|--------|------|--------|-------|----|
| Arsenic    | 0.0503 | 0.0005 | mg/L | 0.0500 | 101  | 85-115 | 0.151 | 20 |
| Cadmium    | 0.0515 | 0.0005 | mg/L | 0.0500 | 103  | 85-115 | 1.74  | 20 |
| Copper     | 0.0512 | 0.0005 | mg/L | 0.0500 | 102  | 85-115 | 1.12  | 20 |
| Lead       | 0.0493 | 0.0005 | mg/L | 0.0500 | 98.6 | 85-115 | 1.53  | 20 |
| Manganese  | 0.0525 | 0.0005 | mg/L | 0.0500 | 105  | 85-115 | 0.413 | 20 |
| Molybdenum | 0.0516 | 0.0005 | mg/L | 0.0500 | 103  | 85-115 | 2.56  | 20 |
| Selenium   | 0.262  | 0.0010 | mg/L | 0.250  | 105  | 85-115 | 1.99  | 20 |
| Uranium    | 0.0522 | 0.0005 | mg/L | 0.0500 | 104  | 85-115 | 1.77  | 20 |
| Zinc       | 0.0528 | 0.0020 | mg/L | 0.0500 | 106  | 85-115 | 1.55  | 20 |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
02/25/22 13:38

### Dissolved Mercury by CVAA - Quality Control

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

#### Batch B220490 - EPA 245.1/7470

##### Blank (B220490-BLK1)

Prepared: 02/22/22 Analyzed: 02/23/22

|         |    |        |      |  |  |  |  |  |  |  |
|---------|----|--------|------|--|--|--|--|--|--|--|
| Mercury | ND | 0.0002 | mg/L |  |  |  |  |  |  |  |
|---------|----|--------|------|--|--|--|--|--|--|--|

##### LCS (B220490-BS1)

Prepared: 02/22/22 Analyzed: 02/23/22

|         |        |        |      |         |  |      |        |  |  |  |
|---------|--------|--------|------|---------|--|------|--------|--|--|--|
| Mercury | 0.0049 | 0.0002 | mg/L | 0.00500 |  | 98.8 | 85-115 |  |  |  |
|---------|--------|--------|------|---------|--|------|--------|--|--|--|

##### LCS Dup (B220490-BSD1)

Prepared: 02/22/22 Analyzed: 02/23/22

|         |        |        |      |         |  |      |        |      |    |  |
|---------|--------|--------|------|---------|--|------|--------|------|----|--|
| Mercury | 0.0048 | 0.0002 | mg/L | 0.00500 |  | 96.3 | 85-115 | 2.60 | 20 |  |
|---------|--------|--------|------|---------|--|------|--------|------|----|--|

### Notes and Definitions

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

Debbie Zufelt, Reports Manager

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Durango, CO 81303  
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05 April 2022

Tom Bird  
GCC Energy, LLC  
6473 CR 120  
Hesperus, CO 81326  
RE: GCC GW Baseline

Enclosed are the results of analyses for samples received by the laboratory on 03/23/22 15:00. 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 black ink that reads 'Debbie Zufelt'.

Debbie Zufelt  
Reports Manager

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: T104704514-22-13

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: T104704398-21-14



GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
04/05/22 14:44

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|-----------|---------------|--------|----------------|----------------|-------|
| MW-8-PL   | 2203213-01    | Water  | 03/23/22 09:58 | 03/23/22 15:00 |       |
| MW-8-LM   | 2203213-02    | Water  | 03/23/22 10:20 | 03/23/22 15:00 |       |
| MW-8-MI   | 2203213-03    | Water  | 03/23/22 10:44 | 03/23/22 15:00 |       |
| MW-8-EAA  | 2203213-04    | Water  | 03/23/22 11:17 | 03/23/22 15:00 |       |
| MW-7-EAA  | 2203213-05    | Water  | 03/23/22 12:09 | 03/23/22 15:00 |       |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
04/05/22 14:44

## MW-8-PL

## 2203213-01 (Ground Water)

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

## General Chemistry

|                                                |       |       |         |           |   |                |          |  |     |
|------------------------------------------------|-------|-------|---------|-----------|---|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 362   | 10.0  | 2.27    | mg/L      | 2 | 03/24/22 12:55 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0 | 10.0  | 2.27    | mg/L      | 2 | 03/24/22 12:55 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0 | 10.0  | 2.27    | mg/L      | 2 | 03/24/22 12:55 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 362   | 10.0  | 2.27    | mg/L      | 2 | 03/24/22 12:55 | 2320 B   |  | VJW |
| Chloride*                                      | 3.33  | 1.00  | 0.0304  | mg/L      | 1 | 03/24/22 23:08 | EPA300.0 |  | AES |
| Fluoride*                                      | 0.195 | 0.100 | 0.00971 | mg/L      | 1 | 03/24/22 23:08 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | 0.052 | 0.020 | 0.012   | mg/L as N | 1 | 03/25/22 10:16 | EPA353.2 |  | DTR |
| pH*                                            | 7.42  |       |         | pH Units  | 1 | 03/23/22 15:30 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 16.8  |       |         | pH Units  | 1 | 03/23/22 15:30 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 485   | 10.0  |         | mg/L      | 1 | 03/23/22 16:55 | EPA160.1 |  | VJW |
| Sulfate*                                       | 100   | 5.00  | 0.620   | mg/L      | 5 | 03/24/22 23:29 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 1.54  | 0.500 | 0.175   | mg/L      | 1 | 03/28/22 16:12 | 5310C    |  | DTR |

## Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/28/22 16:10 | EPA200.7    |  | AES |
| Calcium*                      | 55.7   | 0.100 | 0.024  | mg/L | 1 | 03/28/22 16:10 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 292    | 0.662 | 0.186  | mg/L | 1 | 03/28/22 16:10 | 2340 B      |  | AES |
| Iron*                         | 0.079  | 0.050 | 0.036  | mg/L | 1 | 03/28/22 16:10 | EPA200.7    |  | AES |
| Magnesium*                    | 37.1   | 0.100 | 0.031  | mg/L | 1 | 03/28/22 16:10 | EPA200.7    |  | AES |
| Potassium*                    | 1.71   | 1.00  | 0.065  | mg/L | 1 | 03/28/22 16:10 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 22.2   | 1.07  | 0.0683 | mg/L | 1 | 03/28/22 16:10 | Calculation |  | AES |
| Silicon                       | 10.4   | 0.500 | 0.032  | mg/L | 1 | 03/28/22 16:10 | EPA200.7    |  | AES |
| Sodium*                       | 80.8   | 1.00  | 0.106  | mg/L | 1 | 03/28/22 16:10 | EPA200.7    |  | AES |

## Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |          |  |     |
|-------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Arsenic*    | 0.0046  | 0.0005 | 0.0002  | mg/L | 1 | 03/29/22 17:17 | EPA200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 03/29/22 17:17 | EPA200.8 |  | AES |
| Copper*     | 0.0023  | 0.0005 | 0.00008 | mg/L | 1 | 03/29/22 17:17 | EPA200.8 |  | AES |
| Lead*       | <0.0005 | 0.0005 | 0.00009 | mg/L | 1 | 03/29/22 17:17 | EPA200.8 |  | AES |
| Manganese*  | 0.163   | 0.0005 | 0.00009 | mg/L | 1 | 03/29/22 17:17 | EPA200.8 |  | AES |
| Molybdenum* | <0.0005 | 0.0005 | 0.00008 | mg/L | 1 | 03/29/22 17:17 | EPA200.8 |  | AES |
| Selenium*   | <0.0010 | 0.0010 | 0.0006  | mg/L | 1 | 03/29/22 17:17 | EPA200.8 |  | AES |
| Uranium     | <0.0005 | 0.0005 | 0.0001  | mg/L | 1 | 03/29/22 17:17 | EPA200.8 |  | AES |
| Zinc*       | <0.0020 | 0.0020 | 0.0003  | mg/L | 1 | 03/29/22 17:17 | EPA200.8 |  | AES |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
04/05/22 14:44

**MW-8-PL**

**2203213-01 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 04/01/22 15:30 | EPA245.1 |  | JDA |
| Cation/Anion Balance | -.11    |        |         |      |   |                |          |  |     |

Green Analytical Laboratories

*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
04/05/22 14:44

## MW-8-LM

## 2203213-02 (Ground Water)

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

## General Chemistry

|                                                |        |       |         |           |   |                |          |  |     |
|------------------------------------------------|--------|-------|---------|-----------|---|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 640    | 10.0  | 2.27    | mg/L      | 5 | 03/24/22 12:55 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | 140    | 10.0  | 2.27    | mg/L      | 5 | 03/24/22 12:55 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27    | mg/L      | 5 | 03/24/22 12:55 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 780    | 10.0  | 2.27    | mg/L      | 5 | 03/24/22 12:55 | 2320 B   |  | VJW |
| Chloride*                                      | 2.47   | 1.00  | 0.0304  | mg/L      | 1 | 03/24/22 23:49 | EPA300.0 |  | AES |
| Fluoride*                                      | 3.44   | 0.100 | 0.00971 | mg/L      | 1 | 03/24/22 23:49 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.012   | mg/L as N | 1 | 03/25/22 10:18 | EPA353.2 |  | DTR |
| pH*                                            | 8.61   |       |         | pH Units  | 1 | 03/23/22 15:30 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 17.3   |       |         | pH Units  | 1 | 03/23/22 15:30 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 740    | 10.0  |         | mg/L      | 1 | 03/23/22 16:55 | EPA160.1 |  | VJW |
| Sulfate*                                       | <1.00  | 1.00  | 0.124   | mg/L      | 1 | 03/24/22 23:49 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 1.70   | 0.500 | 0.175   | mg/L      | 1 | 03/28/22 16:32 | 5310C    |  | DTR |

## Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/28/22 16:12 | EPA200.7    |  | AES |
| Calcium*                      | 1.96   | 0.100 | 0.024  | mg/L | 1 | 03/28/22 16:12 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 7.29   | 0.662 | 0.186  | mg/L | 1 | 03/28/22 16:12 | 2340 B      |  | AES |
| Iron*                         | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/28/22 16:12 | EPA200.7    |  | AES |
| Magnesium*                    | 0.580  | 0.100 | 0.031  | mg/L | 1 | 03/28/22 16:12 | EPA200.7    |  | AES |
| Potassium*                    | 2.31   | 1.00  | 0.065  | mg/L | 1 | 03/28/22 16:12 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 8.44   | 1.07  | 0.0683 | mg/L | 1 | 03/28/22 16:12 | Calculation |  | AES |
| Silicon                       | 3.95   | 0.500 | 0.032  | mg/L | 1 | 03/28/22 16:12 | EPA200.7    |  | AES |
| Sodium*                       | 316    | 1.00  | 0.106  | mg/L | 1 | 03/28/22 16:12 | EPA200.7    |  | AES |

## Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |          |  |     |
|-------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Arsenic*    | 0.0008  | 0.0005 | 0.0002  | mg/L | 1 | 03/29/22 17:25 | EPA200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 03/29/22 17:25 | EPA200.8 |  | AES |
| Copper*     | 0.0075  | 0.0005 | 0.00008 | mg/L | 1 | 03/29/22 17:25 | EPA200.8 |  | AES |
| Lead*       | <0.0025 | 0.0025 | 0.0004  | mg/L | 5 | 03/31/22 14:15 | EPA200.8 |  | AES |
| Manganese*  | 0.0022  | 0.0005 | 0.00009 | mg/L | 1 | 03/29/22 17:25 | EPA200.8 |  | AES |
| Molybdenum* | <0.0005 | 0.0005 | 0.00008 | mg/L | 1 | 03/29/22 17:25 | EPA200.8 |  | AES |
| Selenium*   | <0.0010 | 0.0010 | 0.0006  | mg/L | 1 | 03/29/22 17:25 | EPA200.8 |  | AES |
| Uranium     | <0.0025 | 0.0025 | 0.0005  | mg/L | 5 | 03/31/22 14:15 | EPA200.8 |  | AES |
| Zinc*       | <0.0020 | 0.0020 | 0.0003  | mg/L | 1 | 03/29/22 17:25 | EPA200.8 |  | AES |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
04/05/22 14:44

**MW-8-LM**

**2203213-02 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 04/01/22 15:30 | EPA245.1 |  | JDA |
| Cation/Anion Balance | -6.4    |        |         |      |   |                |          |  |     |

Green Analytical Laboratories

*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
04/05/22 14:44

## MW-8-MI

## 2203213-03 (Ground Water)

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

## General Chemistry

|                                                |        |       |        |           |    |                |          |  |     |
|------------------------------------------------|--------|-------|--------|-----------|----|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 590    | 10.0  | 2.27   | mg/L      | 5  | 03/24/22 12:55 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 5  | 03/24/22 12:55 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 5  | 03/24/22 12:55 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 590    | 10.0  | 2.27   | mg/L      | 5  | 03/24/22 12:55 | 2320 B   |  | VJW |
| Chloride*                                      | 7.70   | 2.00  | 0.0608 | mg/L      | 2  | 03/25/22 00:10 | EPA300.0 |  | AES |
| Fluoride*                                      | <0.200 | 0.200 | 0.0194 | mg/L      | 2  | 03/25/22 00:10 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.012  | mg/L as N | 1  | 03/25/22 10:19 | EPA353.2 |  | DTR |
| pH*                                            | 7.36   |       |        | pH Units  | 1  | 03/23/22 15:30 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 17.0   |       |        | pH Units  | 1  | 03/23/22 15:30 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 1050   | 10.0  |        | mg/L      | 1  | 03/23/22 16:55 | EPA160.1 |  | VJW |
| Sulfate*                                       | 325    | 10.0  | 1.24   | mg/L      | 10 | 03/25/22 00:30 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 2.77   | 0.500 | 0.175  | mg/L      | 1  | 03/28/22 16:48 | 5310C    |  | DTR |

## Dissolved Metals by ICP

|                               |        |       |        |      |   |                |             |  |     |
|-------------------------------|--------|-------|--------|------|---|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1 | 03/28/22 16:16 | EPA200.7    |  | AES |
| Calcium*                      | 75.5   | 0.100 | 0.024  | mg/L | 1 | 03/28/22 16:16 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 406    | 0.662 | 0.186  | mg/L | 1 | 03/28/22 16:16 | 2340 B      |  | AES |
| Iron*                         | 0.113  | 0.050 | 0.036  | mg/L | 1 | 03/28/22 16:16 | EPA200.7    |  | AES |
| Magnesium*                    | 52.7   | 0.100 | 0.031  | mg/L | 1 | 03/28/22 16:16 | EPA200.7    |  | AES |
| Potassium*                    | 5.98   | 1.00  | 0.065  | mg/L | 1 | 03/28/22 16:16 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 15.2   | 1.07  | 0.0683 | mg/L | 1 | 03/28/22 16:16 | Calculation |  | AES |
| Silicon                       | 7.08   | 0.500 | 0.032  | mg/L | 1 | 03/28/22 16:16 | EPA200.7    |  | AES |
| Sodium*                       | 226    | 1.00  | 0.106  | mg/L | 1 | 03/28/22 16:16 | EPA200.7    |  | AES |

## Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |          |  |     |
|-------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Arsenic*    | <0.0005 | 0.0005 | 0.0002  | mg/L | 1 | 03/29/22 17:26 | EPA200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 03/29/22 17:26 | EPA200.8 |  | AES |
| Copper*     | 0.0055  | 0.0005 | 0.00008 | mg/L | 1 | 03/29/22 17:26 | EPA200.8 |  | AES |
| Lead*       | <0.0025 | 0.0025 | 0.0004  | mg/L | 5 | 03/31/22 14:16 | EPA200.8 |  | AES |
| Manganese*  | 0.0603  | 0.0005 | 0.00009 | mg/L | 1 | 03/29/22 17:26 | EPA200.8 |  | AES |
| Molybdenum* | <0.0005 | 0.0005 | 0.00008 | mg/L | 1 | 03/29/22 17:26 | EPA200.8 |  | AES |
| Selenium*   | 0.0016  | 0.0010 | 0.0006  | mg/L | 1 | 03/29/22 17:26 | EPA200.8 |  | AES |
| Uranium     | <0.0025 | 0.0025 | 0.0005  | mg/L | 5 | 03/31/22 14:16 | EPA200.8 |  | AES |
| Zinc*       | <0.0020 | 0.0020 | 0.0003  | mg/L | 1 | 03/29/22 17:26 | EPA200.8 |  | AES |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
04/05/22 14:44

### MW-8-MI

#### 2203213-03 (Ground Water)

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

#### Dissolved Mercury by CVAA

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 04/01/22 15:30 | EPA245.1 |  | JDA |
| Cation/Anion Balance | -1.87   |        |         |      |   |                |          |  |     |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
04/05/22 14:44

## MW-8-EAA

## 2203213-04 (Ground Water)

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

## General Chemistry

|                                                |        |       |        |           |    |                |          |  |     |
|------------------------------------------------|--------|-------|--------|-----------|----|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 460    | 10.0  | 2.27   | mg/L      | 5  | 03/24/22 12:55 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 5  | 03/24/22 12:55 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 5  | 03/24/22 12:55 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 460    | 10.0  | 2.27   | mg/L      | 5  | 03/24/22 12:55 | 2320 B   |  | VJW |
| Chloride*                                      | 10.5   | 2.00  | 0.0608 | mg/L      | 2  | 03/25/22 00:51 | EPA300.0 |  | AES |
| Fluoride*                                      | 0.304  | 0.200 | 0.0194 | mg/L      | 2  | 03/25/22 00:51 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.012  | mg/L as N | 1  | 03/25/22 10:20 | EPA353.2 |  | DTR |
| pH*                                            | 7.19   |       |        | pH Units  | 1  | 03/23/22 15:30 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 16.9   |       |        | pH Units  | 1  | 03/23/22 15:30 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 1380   | 10.0  |        | mg/L      | 1  | 03/23/22 16:55 | EPA160.1 |  | VJW |
| Sulfate*                                       | 608    | 20.0  | 2.48   | mg/L      | 20 | 03/25/22 01:52 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 3.49   | 0.500 | 0.175  | mg/L      | 1  | 03/28/22 17:04 | 5310C    |  | DTR |

## Dissolved Metals by ICP

|                               |        |       |        |      |    |                |             |  |     |
|-------------------------------|--------|-------|--------|------|----|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1  | 03/28/22 16:20 | EPA200.7    |  | AES |
| Calcium*                      | 158    | 0.100 | 0.024  | mg/L | 1  | 03/28/22 16:20 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 937    | 4.37  | 1.33   | mg/L | 10 | 03/28/22 17:03 | 2340 B      |  | AES |
| Iron*                         | 2.52   | 0.050 | 0.036  | mg/L | 1  | 03/28/22 16:20 | EPA200.7    |  | AES |
| Magnesium*                    | 131    | 1.00  | 0.308  | mg/L | 10 | 03/28/22 17:03 | EPA200.7    |  | AES |
| Potassium*                    | 3.65   | 1.00  | 0.065  | mg/L | 1  | 03/28/22 16:20 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 17.3   | 1.07  | 0.0683 | mg/L | 1  | 03/28/22 16:20 | Calculation |  | AES |
| Silicon                       | 8.10   | 0.500 | 0.032  | mg/L | 1  | 03/28/22 16:20 | EPA200.7    |  | AES |
| Sodium*                       | 81.2   | 1.00  | 0.106  | mg/L | 1  | 03/28/22 16:20 | EPA200.7    |  | AES |

## Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |          |  |     |
|-------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Arsenic*    | 0.0015  | 0.0005 | 0.0002  | mg/L | 1 | 03/29/22 17:28 | EPA200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 03/29/22 17:28 | EPA200.8 |  | AES |
| Copper*     | 0.0021  | 0.0005 | 0.00008 | mg/L | 1 | 03/29/22 17:28 | EPA200.8 |  | AES |
| Lead*       | <0.0025 | 0.0025 | 0.0004  | mg/L | 5 | 03/31/22 14:18 | EPA200.8 |  | AES |
| Manganese*  | 3.77    | 0.0025 | 0.0005  | mg/L | 5 | 03/31/22 14:18 | EPA200.8 |  | AES |
| Molybdenum* | 0.0009  | 0.0005 | 0.00008 | mg/L | 1 | 03/29/22 17:28 | EPA200.8 |  | AES |
| Selenium*   | <0.0010 | 0.0010 | 0.0006  | mg/L | 1 | 03/29/22 17:28 | EPA200.8 |  | AES |
| Uranium     | <0.0025 | 0.0025 | 0.0005  | mg/L | 5 | 03/31/22 14:18 | EPA200.8 |  | AES |
| Zinc*       | <0.0020 | 0.0020 | 0.0003  | mg/L | 1 | 03/29/22 17:28 | EPA200.8 |  | AES |

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
04/05/22 14:44

**MW-8-EAA**

**2203213-04 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 04/01/22 15:30 | EPA245.1 |  | JDA |
| Cation/Anion Balance | 1.08    |        |         |      |   |                |          |  |     |

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*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom BirdReported:  
04/05/22 14:44

## MW-7-EAA

## 2203213-05 (Ground Water)

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

## General Chemistry

|                                                |        |       |        |           |    |                |          |  |     |
|------------------------------------------------|--------|-------|--------|-----------|----|----------------|----------|--|-----|
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 425    | 10.0  | 2.27   | mg/L      | 5  | 03/24/22 12:55 | 2320 B   |  | VJW |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 5  | 03/24/22 12:55 | 2320 B   |  | VJW |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0  | 2.27   | mg/L      | 5  | 03/24/22 12:55 | 2320 B   |  | VJW |
| Alkalinity, Total as CaCO <sub>3</sub> *       | 425    | 10.0  | 2.27   | mg/L      | 5  | 03/24/22 12:55 | 2320 B   |  | VJW |
| Chloride*                                      | 10.1   | 2.00  | 0.0608 | mg/L      | 2  | 03/25/22 02:13 | EPA300.0 |  | AES |
| Fluoride*                                      | 0.292  | 0.200 | 0.0194 | mg/L      | 2  | 03/25/22 02:13 | EPA300.0 |  | AES |
| Nitrate/Nitrite as N*                          | <0.020 | 0.020 | 0.012  | mg/L as N | 1  | 03/25/22 10:21 | EPA353.2 |  | DTR |
| pH*                                            | 7.11   |       |        | pH Units  | 1  | 03/23/22 15:30 | EPA150.1 |  | VJW |
| pH Temperature, degrees C                      | 18.6   |       |        | pH Units  | 1  | 03/23/22 15:30 | EPA150.1 |  | VJW |
| Total Dissolved Solids*                        | 1500   | 10.0  |        | mg/L      | 1  | 03/23/22 16:55 | EPA160.1 |  | VJW |
| Sulfate*                                       | 755    | 20.0  | 2.48   | mg/L      | 20 | 03/25/22 02:33 | EPA300.0 |  | AES |
| Total Organic Carbon*                          | 3.50   | 0.500 | 0.175  | mg/L      | 1  | 03/28/22 17:20 | 5310C    |  | DTR |

## Dissolved Metals by ICP

|                               |        |       |        |      |    |                |             |  |     |
|-------------------------------|--------|-------|--------|------|----|----------------|-------------|--|-----|
| Aluminum*                     | <0.050 | 0.050 | 0.036  | mg/L | 1  | 03/28/22 16:24 | EPA200.7    |  | AES |
| Calcium*                      | 173    | 0.100 | 0.024  | mg/L | 1  | 03/28/22 16:24 | EPA200.7    |  | AES |
| Hardness as CaCO <sub>3</sub> | 1040   | 4.37  | 1.33   | mg/L | 10 | 03/28/22 17:05 | 2340 B      |  | AES |
| Iron*                         | 2.05   | 0.050 | 0.036  | mg/L | 1  | 03/28/22 16:24 | EPA200.7    |  | AES |
| Magnesium*                    | 149    | 1.00  | 0.308  | mg/L | 10 | 03/28/22 17:05 | EPA200.7    |  | AES |
| Potassium*                    | 3.88   | 1.00  | 0.065  | mg/L | 1  | 03/28/22 16:24 | EPA200.7    |  | AES |
| Silica (SiO <sub>2</sub> )    | 18.3   | 1.07  | 0.0683 | mg/L | 1  | 03/28/22 16:24 | Calculation |  | AES |
| Silicon                       | 8.57   | 0.500 | 0.032  | mg/L | 1  | 03/28/22 16:24 | EPA200.7    |  | AES |
| Sodium*                       | 77.8   | 1.00  | 0.106  | mg/L | 1  | 03/28/22 16:24 | EPA200.7    |  | AES |

## Dissolved Metals by ICPMS

|             |         |        |         |      |   |                |          |  |     |
|-------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Arsenic*    | 0.0009  | 0.0005 | 0.0002  | mg/L | 1 | 03/29/22 17:30 | EPA200.8 |  | AES |
| Cadmium*    | <0.0005 | 0.0005 | 0.00003 | mg/L | 1 | 03/29/22 17:30 | EPA200.8 |  | AES |
| Copper*     | 0.0021  | 0.0005 | 0.00008 | mg/L | 1 | 03/29/22 17:30 | EPA200.8 |  | AES |
| Lead*       | <0.0025 | 0.0025 | 0.0004  | mg/L | 5 | 03/31/22 14:19 | EPA200.8 |  | AES |
| Manganese*  | 4.48    | 0.0025 | 0.0005  | mg/L | 5 | 03/31/22 14:19 | EPA200.8 |  | AES |
| Molybdenum* | 0.0007  | 0.0005 | 0.00008 | mg/L | 1 | 03/29/22 17:30 | EPA200.8 |  | AES |
| Selenium*   | <0.0010 | 0.0010 | 0.0006  | mg/L | 1 | 03/29/22 17:30 | EPA200.8 |  | AES |
| Uranium     | <0.0025 | 0.0025 | 0.0005  | mg/L | 5 | 03/31/22 14:19 | EPA200.8 |  | AES |
| Zinc*       | <0.0020 | 0.0020 | 0.0003  | mg/L | 1 | 03/29/22 17:30 | EPA200.8 |  | AES |

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

**Reported:**  
04/05/22 14:44

**MW-7-EAA**

**2203213-05 (Ground Water)**

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

**Dissolved Mercury by CVAA**

|                      |         |        |         |      |   |                |          |  |     |
|----------------------|---------|--------|---------|------|---|----------------|----------|--|-----|
| Mercury*             | <0.0002 | 0.0002 | 0.00004 | mg/L | 1 | 04/01/22 15:30 | EPA245.1 |  | JDA |
| Cation/Anion Balance | .53     |        |         |      |   |                |          |  |     |

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
04/05/22 14:44

### General Chemistry - Quality Control

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

#### Batch B220764 - General Prep - Wet Chem

##### Blank (B220764-BLK1)

Prepared &amp; Analyzed: 03/23/22

|                        |    |      |      |
|------------------------|----|------|------|
| Total Dissolved Solids | ND | 10.0 | mg/L |
|------------------------|----|------|------|

##### Duplicate (B220764-DUP1)

Source: 2203174-02 Prepared &amp; Analyzed: 03/23/22

|                        |      |      |      |      |       |    |
|------------------------|------|------|------|------|-------|----|
| Total Dissolved Solids | 2500 | 10.0 | mg/L | 2530 | 0.994 | 20 |
|------------------------|------|------|------|------|-------|----|

##### Reference (B220764-SRM1)

Prepared &amp; Analyzed: 03/23/22

|                        |     |      |      |     |     |        |
|------------------------|-----|------|------|-----|-----|--------|
| Total Dissolved Solids | 640 | 10.0 | mg/L | 600 | 107 | 85-115 |
|------------------------|-----|------|------|-----|-----|--------|

#### Batch B220769 - General Prep - Wet Chem

##### Duplicate (B220769-DUP2)

Source: 2203213-05 Prepared &amp; Analyzed: 03/23/22

|                           |      |          |      |       |     |
|---------------------------|------|----------|------|-------|-----|
| pH                        | 7.13 | pH Units | 7.11 | 0.281 | 20  |
| pH Temperature, degrees C | 18.7 | pH Units | 18.6 | 0.536 | 200 |

##### Reference (B220769-SRM1)

Prepared &amp; Analyzed: 03/23/22

|    |      |          |      |     |              |
|----|------|----------|------|-----|--------------|
| pH | 7.00 | pH Units | 7.00 | 100 | 98.57-101.42 |
|----|------|----------|------|-----|--------------|

#### Batch B220771 - General Prep - Wet Chem

##### Blank (B220771-BLK1)

Prepared &amp; Analyzed: 03/24/22

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

##### LCS (B220771-BS1)

Prepared &amp; Analyzed: 03/24/22

|                                  |     |      |      |     |     |        |
|----------------------------------|-----|------|------|-----|-----|--------|
| Alkalinity, Bicarbonate as CaCO3 | 107 | 10.0 | mg/L | 100 | 107 | 85-115 |
| Alkalinity, Carbonate as CaCO3   | ND  | 10.0 | mg/L |     |     | 85-115 |
| Alkalinity, Hydroxide as CaCO3   | ND  | 10.0 | mg/L |     |     | 85-115 |
| Alkalinity, Total as CaCO3       | 107 | 10.0 | mg/L | 100 | 107 | 85-115 |

##### LCS Dup (B220771-BSD1)

Prepared &amp; Analyzed: 03/24/22

|                                  |     |      |      |     |     |        |       |    |
|----------------------------------|-----|------|------|-----|-----|--------|-------|----|
| Alkalinity, Bicarbonate as CaCO3 | 106 | 10.0 | mg/L | 100 | 106 | 85-115 | 0.939 | 20 |
| Alkalinity, Carbonate as CaCO3   | ND  | 10.0 | mg/L |     |     | 85-115 |       | 20 |
| Alkalinity, Hydroxide as CaCO3   | ND  | 10.0 | mg/L |     |     | 85-115 |       | 20 |
| Alkalinity, Total as CaCO3       | 106 | 10.0 | mg/L | 100 | 106 | 85-115 | 0.939 | 20 |

#### Batch B220773 - Lachat

##### Blank (B220773-BLK1)

Prepared &amp; Analyzed: 03/25/22

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Debbie Zufelt, Reports Manager

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
04/05/22 14:44

**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 B220773 - Lachat (Continued)**

**Blank (B220773-BLK1) (Continued)**

Prepared & Analyzed: 03/25/22

Nitrate/Nitrite as N ND 0.020 mg/L as N

**LCS (B220773-BS1)**

Prepared & Analyzed: 03/25/22

Nitrate/Nitrite as N 1.02 0.020 mg/L as N 1.00 102 90-110

**LCS Dup (B220773-BSD1)**

Prepared & Analyzed: 03/25/22

Nitrate/Nitrite as N 1.03 0.020 mg/L as N 1.00 103 90-110 0.137 20

**Batch B220774 - IC- Ion Chromatograph**

**Blank (B220774-BLK1)**

Prepared & Analyzed: 03/24/22

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

**LCS (B220774-BS1)**

Prepared & Analyzed: 03/24/22

Chloride 24.2 1.00 mg/L 25.0 96.8 90-110  
Fluoride 2.51 0.100 mg/L 2.50 100 90-110  
Sulfate 23.7 1.00 mg/L 25.0 95.0 90-110

**LCS Dup (B220774-BSD1)**

Prepared & Analyzed: 03/24/22

Chloride 24.0 1.00 mg/L 25.0 96.1 90-110 0.705 20  
Fluoride 2.48 0.100 mg/L 2.50 99.3 90-110 1.00 20  
Sulfate 23.8 1.00 mg/L 25.0 95.1 90-110 0.105 20

**Batch B220794 - General Prep - Wet Chem**

**Blank (B220794-BLK1)**

Prepared & Analyzed: 03/28/22

Total Organic Carbon ND 0.500 mg/L

**LCS (B220794-BS1)**

Prepared & Analyzed: 03/28/22

Total Organic Carbon 9.98 0.500 mg/L 10.0 99.8 85-115

**LCS Dup (B220794-BSD1)**

Prepared & Analyzed: 03/28/22

Total Organic Carbon 10.0 0.500 mg/L 10.0 100 85-115 0.450 20

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
04/05/22 14:44

### Dissolved Metals by ICP - Quality Control

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

#### Batch B220779 - Dissolved ICP

##### Blank (B220779-BLK1)

Prepared: 03/25/22 Analyzed: 03/28/22

|           |    |       |      |
|-----------|----|-------|------|
| 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 (B220779-BS1)

Prepared: 03/25/22 Analyzed: 03/28/22

|           |      |       |      |      |     |        |
|-----------|------|-------|------|------|-----|--------|
| Aluminum  | 5.07 | 0.050 | mg/L | 5.00 | 101 | 85-115 |
| Calcium   | 5.13 | 0.100 | mg/L | 5.00 | 103 | 85-115 |
| Iron      | 5.06 | 0.050 | mg/L | 5.00 | 101 | 85-115 |
| Magnesium | 25.5 | 0.100 | mg/L | 25.0 | 102 | 85-115 |
| Potassium | 10.2 | 1.00  | mg/L | 10.0 | 102 | 85-115 |
| Silicon   | 5.21 | 0.500 | mg/L | 5.00 | 104 | 85-115 |
| Sodium    | 4.07 | 1.00  | mg/L | 4.05 | 100 | 85-115 |

##### LCS Dup (B220779-BSD1)

Prepared: 03/25/22 Analyzed: 03/28/22

|           |      |       |      |      |      |        |      |    |
|-----------|------|-------|------|------|------|--------|------|----|
| Aluminum  | 4.99 | 0.050 | mg/L | 5.00 | 99.8 | 85-115 | 1.53 | 20 |
| Calcium   | 5.02 | 0.100 | mg/L | 5.00 | 100  | 85-115 | 2.09 | 20 |
| Iron      | 4.96 | 0.050 | mg/L | 5.00 | 99.2 | 85-115 | 1.95 | 20 |
| Magnesium | 25.0 | 0.100 | mg/L | 25.0 | 99.9 | 85-115 | 2.11 | 20 |
| Potassium | 9.96 | 1.00  | mg/L | 10.0 | 99.6 | 85-115 | 2.03 | 20 |
| Silicon   | 5.05 | 0.500 | mg/L | 5.00 | 101  | 85-115 | 3.21 | 20 |
| Sodium    | 3.98 | 1.00  | mg/L | 4.05 | 98.3 | 85-115 | 2.18 | 20 |

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
04/05/22 14:44

### Dissolved Metals by ICPMS - Quality Control

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

#### Batch B220806 - Dissolved ICPMS

##### Blank (B220806-BLK1)

Prepared &amp; Analyzed: 03/29/22

|            |    |        |      |
|------------|----|--------|------|
| Arsenic    | ND | 0.0005 | mg/L |
| Cadmium    | ND | 0.0005 | mg/L |
| Copper     | ND | 0.0005 | 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 (B220806-BS1)

Prepared &amp; Analyzed: 03/29/22

|            |        |        |      |        |     |        |
|------------|--------|--------|------|--------|-----|--------|
| Arsenic    | 0.0526 | 0.0005 | mg/L | 0.0500 | 105 | 85-115 |
| Cadmium    | 0.0520 | 0.0005 | mg/L | 0.0500 | 104 | 85-115 |
| Copper     | 0.0510 | 0.0005 | mg/L | 0.0500 | 102 | 85-115 |
| Lead       | 0.0509 | 0.0005 | mg/L | 0.0500 | 102 | 85-115 |
| Manganese  | 0.0556 | 0.0005 | mg/L | 0.0500 | 111 | 85-115 |
| Molybdenum | 0.0527 | 0.0005 | mg/L | 0.0500 | 105 | 85-115 |
| Selenium   | 0.260  | 0.0010 | mg/L | 0.250  | 104 | 85-115 |
| Uranium    | 0.0548 | 0.0005 | mg/L | 0.0500 | 110 | 85-115 |
| Zinc       | 0.0525 | 0.0020 | mg/L | 0.0500 | 105 | 85-115 |

##### LCS Dup (B220806-BSD1)

Prepared &amp; Analyzed: 03/29/22

|            |        |        |      |        |     |        |        |    |
|------------|--------|--------|------|--------|-----|--------|--------|----|
| Arsenic    | 0.0524 | 0.0005 | mg/L | 0.0500 | 105 | 85-115 | 0.321  | 20 |
| Cadmium    | 0.0516 | 0.0005 | mg/L | 0.0500 | 103 | 85-115 | 0.626  | 20 |
| Copper     | 0.0510 | 0.0005 | mg/L | 0.0500 | 102 | 85-115 | 0.0304 | 20 |
| Lead       | 0.0512 | 0.0005 | mg/L | 0.0500 | 102 | 85-115 | 0.411  | 20 |
| Manganese  | 0.0562 | 0.0005 | mg/L | 0.0500 | 112 | 85-115 | 0.996  | 20 |
| Molybdenum | 0.0526 | 0.0005 | mg/L | 0.0500 | 105 | 85-115 | 0.0935 | 20 |
| Selenium   | 0.262  | 0.0010 | mg/L | 0.250  | 105 | 85-115 | 0.586  | 20 |
| Uranium    | 0.0539 | 0.0005 | mg/L | 0.0500 | 108 | 85-115 | 1.52   | 20 |
| Zinc       | 0.0524 | 0.0020 | mg/L | 0.0500 | 105 | 85-115 | 0.161  | 20 |

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GCC Energy, LLC  
6473 CR 120  
Hesperus CO, 81326

Project: GCC GW Baseline  
Project Name / Number: GCC GW Baseline  
Project Manager: Tom Bird

Reported:  
04/05/22 14:44

### Dissolved Mercury by CVAA - Quality Control

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

#### Batch B220781 - EPA 245.1/7470

##### Blank (B220781-BLK1)

Prepared: 03/25/22 Analyzed: 04/01/22

|         |    |        |      |  |  |  |  |  |  |  |
|---------|----|--------|------|--|--|--|--|--|--|--|
| Mercury | ND | 0.0002 | mg/L |  |  |  |  |  |  |  |
|---------|----|--------|------|--|--|--|--|--|--|--|

##### LCS (B220781-BS1)

Prepared: 03/25/22 Analyzed: 04/01/22

|         |        |        |      |         |  |     |        |  |  |  |
|---------|--------|--------|------|---------|--|-----|--------|--|--|--|
| Mercury | 0.0051 | 0.0002 | mg/L | 0.00500 |  | 101 | 85-115 |  |  |  |
|---------|--------|--------|------|---------|--|-----|--------|--|--|--|

##### LCS Dup (B220781-BSD1)

Prepared: 03/25/22 Analyzed: 04/01/22

|         |        |        |      |         |  |      |        |      |    |  |
|---------|--------|--------|------|---------|--|------|--------|------|----|--|
| Mercury | 0.0050 | 0.0002 | mg/L | 0.00500 |  | 99.8 | 85-115 | 1.29 | 20 |  |
|---------|--------|--------|------|---------|--|------|--------|------|----|--|

### Notes and Definitions

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

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COC - Revision 6.0

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