SLR International Corporation
Durango, CO

April 23, 2025

Ms. Meghan Way
GCC Rio Grande, Inc.
3372 Lime Road
Pueblo, CO 81004
meghanway@gcc.com

RE: 2025 Q1 Quarterly Groundwater Report; Pueblo Plant, Permit #M-2002-004

Dear Ms. Way,

This letter addresses the 2025, quarter 1 groundwater compliance monitoring field activities and results, as a summary to be included with the quarterly data submittal of all field data sheets and laboratory results, laboratory data validation report, as well as the updated groundwater monitoring data summary table, per DRMS requirements as stated in their letter dated February 28, 2024, RE: Adequacy Review of Quarterly Hydrology Reports. 2023, 2nd Quarter, 3rd Quarter, 4th Quarter, Permit #M-2002-004.

During 2025 Q1 monitoring all wet monitoring wells capable of producing a sample except MW-6 and MW-7 exceeded the 0.33-foot EPA low-flow methodology target for maximum drawdown for low-flow/low-stress purging and sample collection, as indicated in bold in the following Table 1. The subject wells are completed in a classic arid west fractured sedimentary bedrock, resulting in very low-yield well conditions. As shown in the Table 1, drawdowns in excess of 0.33 feet occurred at MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-18, MW-19, MW-20, MW-21, and MW-23 despite keeping purge and sample flow rates within the target 0.03 to 0.10 gpm and the total purge and sample production time post-tubing volume purge to a minimum. During the 2025 Q1 monitoring at MW-13, the documented purge and sample drawdown is given as -1.20 feet, which would mean the well water level was higher after purging than the initial static water level; this is most likely due to a water level tape reading error at the time of sample collection. Review of past MW-13 water level records for this well suggests the actual sample collection time water level was probably 120.00, but misread as 116.00. Regardless, with respect to purge drawdowns overall, as there is a historical data set of at least 13 quarters for all of the pre-TR-12 wells, time-series plots for several constituents shown in Figures 1, 2, and 3 below indicate a data consistency to support that the current sample collection method, despite drawdown exceeding EPA methodology, does produce representative groundwater chemistry results. The ten new TR-12 monitoring wells, each now with four monitoring events, are also plotted.

It is noted that in 2025 Q1, for all wells the total purge volumes at sample collection time were aligned with the respective sample pump full tubing volumes, whereby stabilization parameter documentation began at the time the full target tubing volume was produced. Per the TR-11 SAP Appendix 1 GCC Rio Grande Pueblo Plant Groundwater Monitoring Well Compliance Sampling Procedure, step 7(i) "Once the given target tubing purge volume has been discharged, monitor the individual water quality field parameters utilizing the VuSitu app for stabilization over 3 consecutive measurements…". During 2025 Q1 compliance monitoring at each well, the three sets of recorded stabilization parameters were recorded, each three minutes apart, including the final (third) set of sample parameters, which was not recorded until the initial prescribed tubing volume was produced, based on observed totals in the purge bucket.

The following Table 1 shows what the actual tubing purge volume totals are, based on the given measured flow rates and static depths to water prior to sampling. The use of the full length of sample pump tubing

to calculate the tubing purge volume was meant to be conservative as they all represent overestimations due to relatively deep static depths to water. In 2025 Q1 all wells were purged based on these calculations, so all stagnant water from the tubing was purged prior to sample collection by 0.00 gallons or more, except for MW-6, MW-7, MW-10, MW-11, MW-19, and MW-23. All but MW-6 were within hundredths of a gallon and are likely within the range of reading error using the bucket volume incrementations. The last column in Table 1 shows what is effectively a corrected purge difference value for each well, demonstrating all wells in 2025 Q1 were otherwise purged beyond the minimum required to obtain representative samples. Comparison of field and laboratory parameters between 2024 Q2, 2024 Q3, 2024 Q4 and 2025 Q1 in the data summary Table 2 indicate very little differences.

Table 1 – 2025 Q1 Sampling Purge Rates, Volumes, & Drawdowns

2025 Q1 Sampling Event											
Monitoring Well ID	Purge & Sample Flow Rate as Measured in Graduated Beaker	Sample Pump Tubing Volume - Fixed Length on Dedicated Pump	Purge & Sample Flow Volume as Measured in Bucket at Sample Collection	Target Total Purge Volume Based on Measured Purge Flow Rate	Total Purge Volume Difference Target vs Actual	Static Water Level	Pumping Water Level at Sample Collection	Purge & Sample Drawdown	Pump Set Depth	Actual Tubing Volume to Displace Factoring Tubing Water Column Length	Total Purge Volume Difference Target Corrected for Tubing Water Column vs Actual
	gpm	*gal*	*gal*	*gal*	*gal*	*ft TOC*	*ft TOC*	*ft*	*ft TOC*	*gal*	*gal*
MW-5	Dry										
MW-6	0.06	0.3	0.54	0.66	**-0.12**	31.88	31.90	0.02	55.7	0.14	0.04
MW-7	0.04	0.3	0.50	0.54	**-0.04**	31.56	31.60	0.04	55.0	0.13	0.13
MW-8	0.05	0.4	0.70	0.70	0.00	30.66	36.44	**5.78**	62.5	0.15	0.25
MW-9	0.05	0.2	0.50	0.50	0.00	26.42	28.77	**2.35**	38.6	0.06	0.14
MW-10	0.05	0.5	0.75	0.80	**-0.05**	25.58	31.10	**5.52**	79.0	0.27	0.18
MW-11	0.06	0.4	0.75	0.76	**-0.01**	54.08	55.27	**1.19**	68.5	0.08	0.31
MW-12	0.05	0.5	0.80	0.80	0.00	58.70	64.30	**5.60**	85.4	0.12	0.38
MW-13	0.04	1.0	1.40	1.24	0.16	117.20	116.00*	**-1.20***	167.5	0.30	0.86
MW-14	0.07	1.2	1.70	1.62	0.08	93.48	106.38	**12.90**	203.6	0.60	0.68
MW-15	Dry										
MW-16	NOT ENOUGH WATER TO OBTAIN SAMPLE					76.72					
MW-17	Dry										
MW-18	0.04	0.3	0.70	0.54	0.16	36.96	38.58	**1.62**	58.0	0.11	0.35
MW-19	0.06	0.4	0.75	0.76	**-0.01**	14.2	14.72	**0.52**	76.7	0.36	0.03
MW-20	0.05	0.6	0.90	0.90	0.00	12.79	20.04	**7.25**	99.5	0.46	0.14
MW-21	0.04	0.7	1.25	0.94	0.31	46.44	46.91	**0.47**	127.0	0.46	0.55
MW-22	NOT ENOUGH WATER TO OBTAIN SAMPLE					152.11					
MW-23	0.05	0.5	0.75	0.80	**-0.05**	76.72	78.74	**2.02**	81.8	0.02	0.43
MW-24	NOT ENOUGH WATER TO OBTAIN SAMPLE					112.78					

Notes:

Purge volume negative values indicate less than target; positive values indicate greater than target.

**Suspected water level tape reading error at sample collection time, likely actual water level was 120.00 ft TOC not 116.00 ft TOC based on previous monitoring events.*

Time series plots for concentrations of sulfate, total dissolved solids (TDS), and total alkalinity are provided as Figures 1, 2, and 3, respectively, to demonstrate consistency of the 2025 Q1 data with respect to conservative constituent concentrations and trends through time within the Fort Hayes Limestone, Codell Sandstone, and Blue Hills Shale lithologic units. Further discussion of major ion and trace element chemistry is provided in the annual groundwater report submitted in January of each year.

Groundwater quality at monitoring locations completed in the Ft. Hayes Limestone (MW-6, MW-7, MW-11, MW-13, MW-19, MW-21, and MW-23) during the 2025 Q1 sampling event was consistent with concentrations and trends through time for sulfate, TDS, and total alkalinity (Figures 1 through 3). Concentrations of sulfate, TDS, and total alkalinity at wells MW-19, MW-21, and MW-23 installed approximately one year ago were consistent with other wells completed in the Ft. Hayes Limestone and will continue to be monitored for trends through time.

Similarly, groundwater quality at monitoring locations completed in the underlying Codell Sandstone (MW-8, MW-9, MW-12, MW-14, MW-18, and MW-20) during the 2025 Q1 sampling event was consistent

with concentrations and trends through time (Figures 1 through 3). In 2025 Q1 MW-16, MW-22 and MW-24 had too little water available to produce a sample. Concentrations of TDS have increased through time and appear to have stabilized in the downgradient MW-14 location. Concentrations of alkalinity at MW-14 have decreased since 2023 Q4. Concentrations of sulfate, TDS, and total alkalinity at newly installed wells MW-18 and MW-20 appear to be in the low range of what is observed in the other Codell Sandstone wells.

Monitoring location MW-10 is located upgradient of mine panel four and completed in the Blue Hills Shale. Concentrations of sulfate and TDS have been declining and alkalinity increasing, with the 2025 Q1 sampling results trending in line with previous sampling events (Figures 1 through 3).

As already discussed in the previous email from GCC to DRMS dated March 24, 2025, in 2025 Q2 there were exceedances of laboratory-reported fluoride, selenium, boron, and manganese concentrations at select wells, all which are qualified with explanations as background. Furthermore, the manganese and boron exceedances are excepted by rule per Water Quality Control Commission Regulation 41.

Finally, the data validation report for all 2025 Q1 laboratory data has been received and reviewed to find no concerns and the data fully usable. The report, prepared by DSA is included in this submittal below.

Regards,

SLR International Corporation

Landon Beck
Principal Hydrogeologist
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Electronic Attachments: 2025 Q1 GW monitoring field forms, 2025 Q1 lab reports

CC: None

Figure 1. Concentrations of Sulfate in the Ft. Hayes Limestone, Codell Sandstone, and Blue Hills Shale.

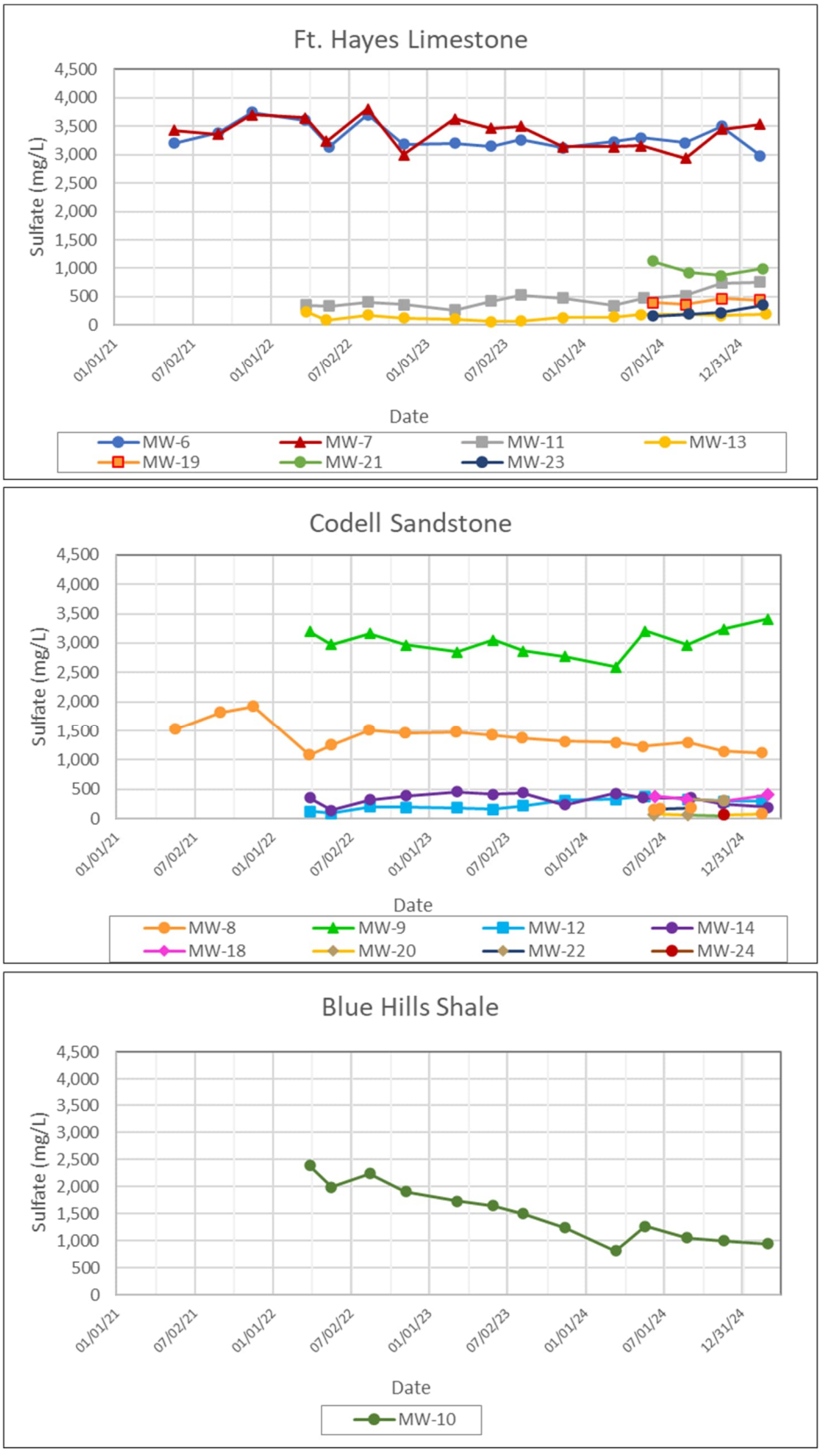

Figure 2. Concentrations of Total Dissolved Solids in the Ft. Hayes Limestone, Codell Sandstone, and Blue Hills Shale.

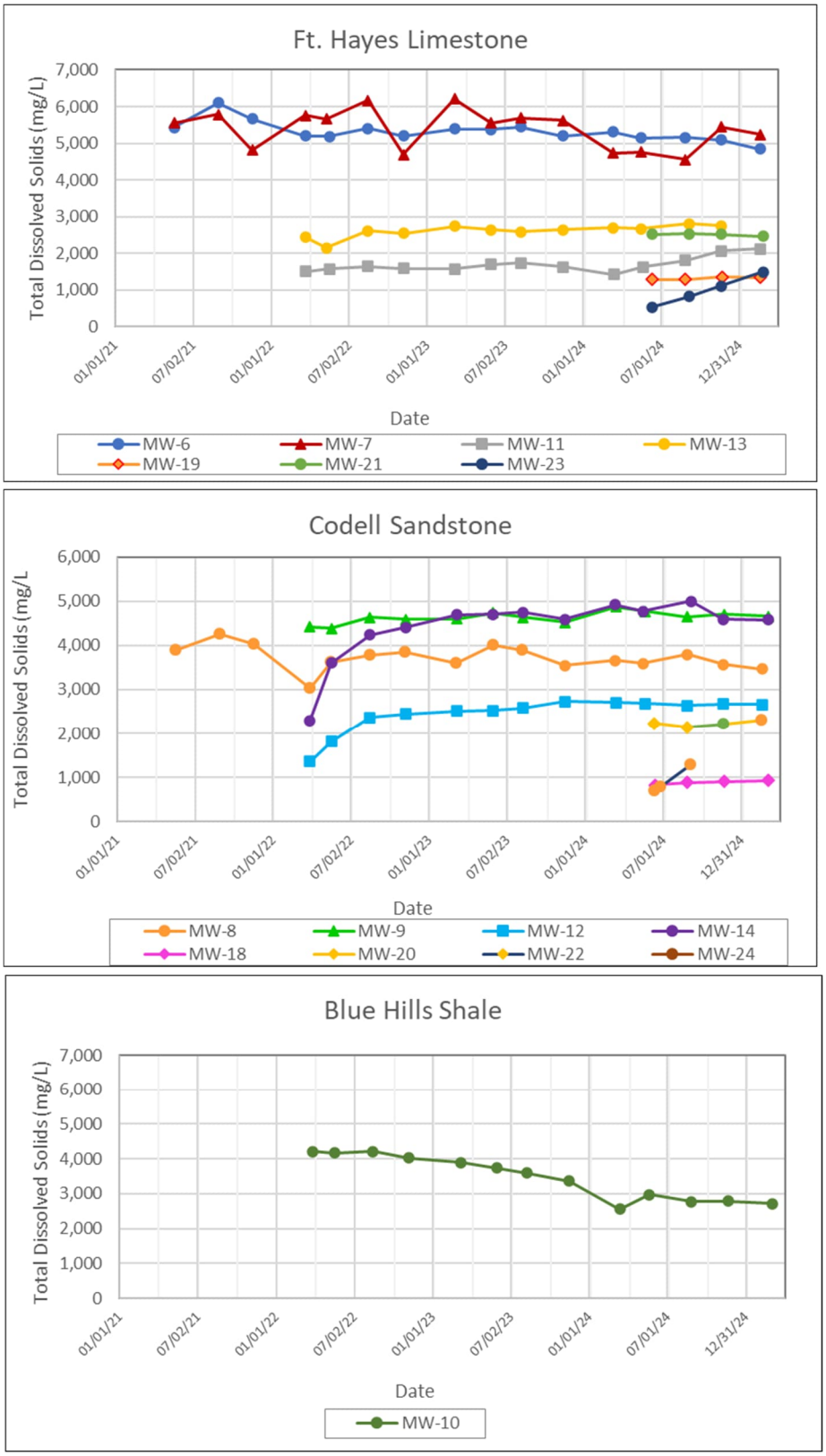

Figure 3. Total Alkalinity in the Ft. Hayes Limestone, Codell Sandstone, and Blue Hills Shale.

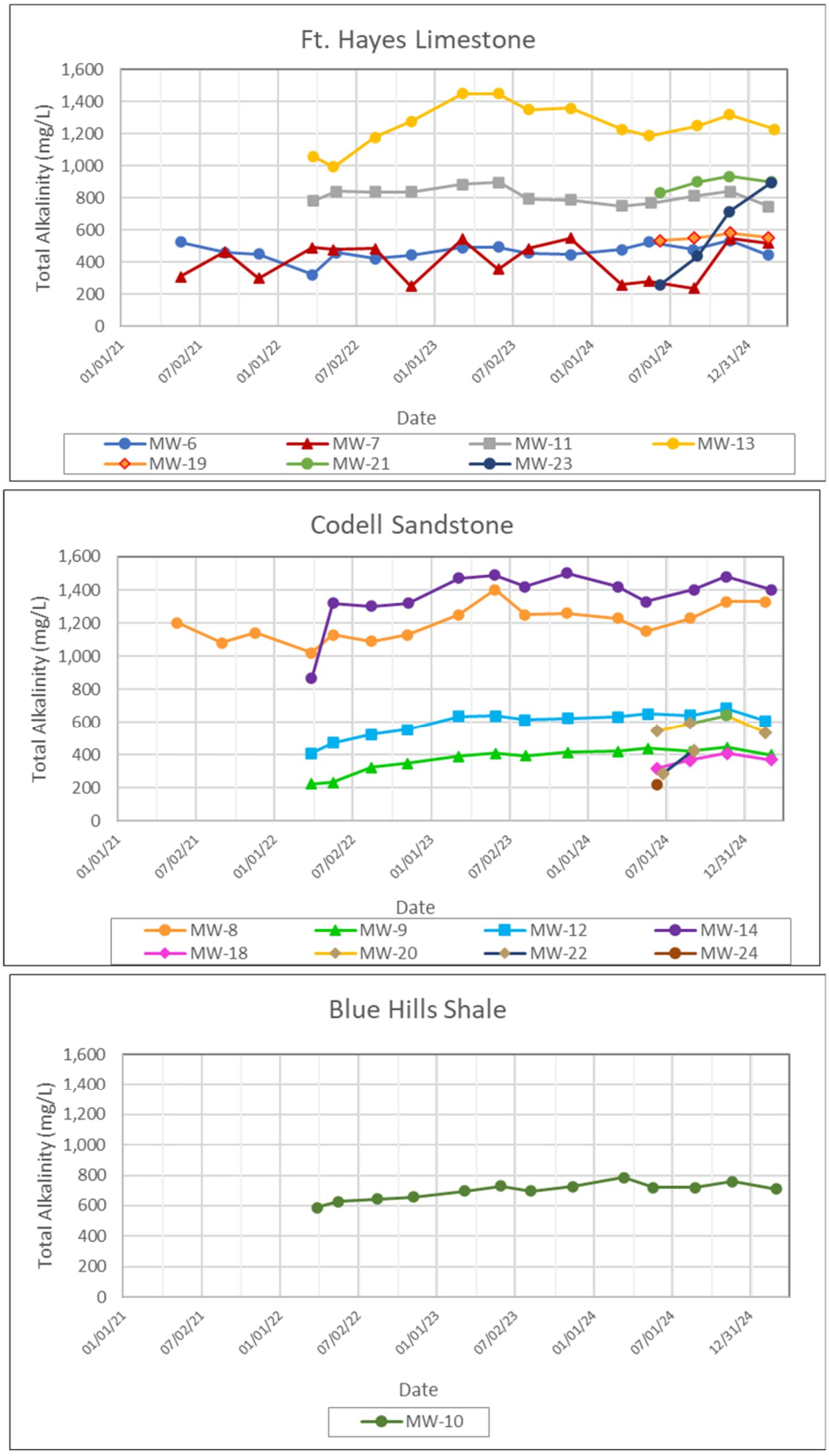

Table 2

Location ID	Sample Date	Depth to Water (ft BTOC)	Field pH (SU)	Field Specific Conductance (µS/cm)	Field Temperature (Degrees C)	Total Dissolved Solids (mg/L)	Total Alkalinity (mg/L)	Bicarbonate as CaCO3 (mg/L)	Carbonate as CaCO3 (mg/L)	Hydroxide as CaCO3 (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)	Nitrate (mg/L)	Nitrate/Nitrite (mg/L)	Nitrite (mg/L)
MW-5	9/17/2020	DRY														
MW-5	11/23/2020	DRY														
MW-5	5/12/2021	DRY														
MW-5	11/18/2021	DRY														
MW-5	3/24/2022	DRY														
MW-5	5/10/2022	DRY														
MW-5	11/8/2022	DRY														
MW-5	5/30/2023	DRY														
MW-5	11/14/2023	DRY														
MW-5	5/15/2024	DRY														
MW-5	11/18/2024	DRY														
MW-5	2/17/2025	DRY														
MW-6	3/9/2020	32.30	7.22	5,591	16.5	5,780	----	----	----	----	----	----	0.70	2.02	2.58	0.560
MW-6	9/16/2020	29.78	7.20	5,405	16.7	5,480	----	----	----	----	----	----	0.50	0.05	0.05	<0.01
MW-6	11/23/2020	30.92	7.25	5,425	14.3	5,300	----	----	----	----	----	----	0.57	1.62	1.63	0.012
MW-6	2/22/2021	36.61	7.55	5,684	15.8	5,780	----	----	----	----	----	----	0.62	0.07	0.07	<0.01
MW-6	5/19/2021	46.32	7.43	5,945	14.9	5,430	524	524	<2	<2	109	3,200	0.57	0.03	0.03	<0.01
MW-6	8/31/2021	26.18	7.32	6,170	16.1	6,100	459	459	<2	<2	74	3,390	0.58	4.2	4.24	0.038
MW-6	11/18/2021	29.70	7.18	7,477	14.2	5,670	450	450	<2	<2	76	3,750	0.62	0.846	0.85	<0.01
MW-6	3/22/2022	36.00	7.23	5,322	14.0	5,200	321	321	<2	<2	49	3,610	0.62	8.01	8.02	0.011
MW-6	5/17/2022	36.94	7.03	5,726	16.7	5,190	461	461	<2	<2	89	3,140	0.57	3.24	3.25	0.015
MW-6	8/15/2022	36.78	7.02	5,404	20.5	5,410	421	421	<2	<2	69	3,700	0.50	1.02	1.09	0.070
MW-6	11/7/2022	33.62	6.92	5,311	15.7	5,200	445	445	<2	<2	77	3,180	0.79	<0.02	<0.02	<0.01
MW-6	3/6/2023	37.00	6.92	4,358	15.9	5,390	491	491	<2	<2	76	3,200	0.52	<0.02	<0.02	<0.01
MW-6	5/30/2023	24.61	6.96	5,847	18.2	5,380	493	493	<2	<2	75	3,150	0.52	0.32	0.36	0.040
MW-6	8/8/2023	26.90	7.00	5,361	21.1	5,440	456	456	<2	<2	74	3,260	0.43	0.29	0.29	<0.01
MW-6	11/14/2023	32.12	6.99	5,278	15.9	5,200	448	448	<2	<2	68	3,120	0.55	0.16	0.16	<0.01
MW-6	3/11/2024	34.16	6.93	5,147	14.5	5,310	480	480	<2	<2	83	3,230	0.53	<0.02	<0.02	<0.01
MW-6	5/15/2024	32.14	6.89	4,960	16.3	5,150	524	524	<2	<2	83	3,300	0.52	<0.02	<0.02	<0.01
MW-6	8/26/2024	32.12	6.92	5,077	16.9	5,160	477	477	<2	<2	83	3,210	0.49	<0.02	<0.02	<0.01
MW-6	11/19/2024	31.40	7.03	4,830	12.5	5,090	535	535	< 2	< 2	94	3,500	0.50	< 0.02	< 0.02	< 0.01
MW-6	2/17/2025	31.88	6.96	4,773	13.92	4,840	445	445	< 2	< 2	97	2980	0.53	< 0.02	< 0.02	< 0.01
MW-7	3/9/2020	32.46	7.01	6,459	15.8	6,540	----	----	----	----	----	----	0.40	15	14.90	0.060
MW-7	9/16/2020	29.65	7.17	4,772	15.2	4,950	----	----	----	----	----	----	0.40	11	11.00	0.030
MW-7	11/23/2020	30.40	7.16	4,999	14.3	5,070	----	----	----	----	----	----	0.47	11	11.20	0.039
MW-7	2/22/2021	32.87	7.55	6,077	14.4	6,500	----	----	----	----	----	----	0.49	9.9	9.98	0.068
MW-7	5/19/2021	30.83	7.51	5,464	15.2	----	309	309	<2	<2	51	3,430	0.40	7.51	7.54	0.027
MW-7	8/31/2021	25.79	7.15	6,061	15.4	----	467	467	<2	<2	96	3,360	0.52	0.91	0.91	<0.01
MW-7	11/18/2021	29.45	6.94	6,589	13.9	----	299	299	<2	<2	53	3,700	0.53	3.84	3.84	<0.01
MW-7	3/22/2022	36.70	6.95	5,654	15.1	5,760	491	491	<2	<2	94	3,650	0.57	1.22	1.24	0.02
MW-7	5/10/2022	37.61	6.86	5,593	15.2	5,660	477	477	<2	<2	104	3,240	0.58	0.19	0.19	<0.01
MW-7	8/15/2022	29.34	6.99	5,905	20.0	6,170	484	484	<2	<2	97	3,810	0.50	0.15	0.15	<0.01
MW-7	11/7/2022	33.53	7.08	4,727	15.2	4,690	250	250	<2	<2	41	3,000	0.37	4.65	4.65	<0.01
MW-7	3/6/2023	37.43	6.95	4,958	15.6	6,210	545	545	<2	<2	91	3,630	0.55	0.26	0.28	0.013
MW-7	5/30/2023	24.50	7.03	5,099	18.1	5,560	358	358	<2	<2	47	3,470	0.41	8.66	8.66	<0.01
MW-7	8/8/2023	26.41	6.99	5,757	17.6	5,690	484	484	<2	<2	90	3,500	0.41	0.11	0.11	<0.01
MW-7	11/14/2023	31.76	6.97	5,750	16.2	5,630	552	552	<2	<2	117	3,140	0.58	<0.02	<0.02	<0.01
MW-7	3/11/2024	34.06	7.09	4,728	14.5	4,740	260	260	<2	<2	45	3,140	0.51	5.41	5.41	<0.01
MW-7	5/15/2024	30.46	7.08	4,876	15.8	4,760	283	283	<2	<2	46	3,160	0.55	4.87	4.92	0.048
MW-7	8/27/2024	32.12	7.20	4,558	17.1	4,560	237	237	<2	<2	47	2,940	0.49	3.75	3.82	0.074
MW-7	11/19/2024	31.25	7.00	5,099	12.2	5,450	548	548	< 2	< 2	114	3,450	0.54	0.23	0.23	< 0.01
MW-7	2/17/2025	31.56	6.95	5,221	14.22	5,240	520	520	< 2	< 2	122	3540	0.57	< 0.02	< 0.02	0.015
MW-8	3/9/2020	43.78	Inadequate volume for representative field parameters or lab sample submittal at time of water level measurement and then COVID-19 restrictions enacted before well could be revisited following purge													
MW-8	9/16/2020	29.74	Inadequate volume for representative field parameters or lab sample submittal after purge - sample collected 9/28/20 because well took 2 weeks to recover													
MW-8	9/28/2020	57.43	7.26	9,179	14.7	7,900	----	----	----	----	----	----	0.90	<0.02	<0.02	<0.01
MW-8	11/9/2020	37.26	Inadequate volume for representative field parameters or lab sample submittal after purge - sample collected 11/23/20 because well took 2 weeks to recover													
MW-8	11/23/2020	39.73	7.11	5,327	13.9	4,060	----	----	----	----	----	----	1.14	<0.02	<0.02	<0.01
MW-8	2/22/2021	34.21	7.65	5,476	14.8	4,180	----	----	----	----	----	----	1.10	<0.02	<0.02	<0.01
MW-8	5/19/2021	34.56	7.60	5,571	16.1	----	1,200	1,200	<2	<2	316	1,520	0.89	0.99	1.01	0.016
MW-8	8/31/2021	25.75	7.32	6,077	17.8	----	1,080	1,080	<2	<2	272	1,820	1.00	<0.02	0.02	0.014
MW-8	11/18/2021	24.46	7.14	3,852	14.7	----	1,140	1,140	<2	<2	283	1,920	0.90	0.07	0.10	0.028
MW-8	3/28/2022	36.35	7.13	4,545	15.1	3,040	1,020	1,020	<2	<2	204	1,090	0.92	0.03	0.04	0.012
MW-8	5/17/2022	37.93	7.12	5,556	18.0	3,630	1,130	1,130	<2	<2	315	1,260	1.01	<0.02	<0.02	<0.01
MW-8	8/15/2022	30.25	7.18	5,325	18.8	3,790	1,090	1,090	<2	<2	291	1,510	1.09	<0.02	<0.02	<0.01
MW-8	11/7/2022	32.00	7.15	5,236	16.1	3,840	1,130	1,130	<2	<2	297	1,450	0.90	<0.02	<0.02	<0.01
MW-8	3/6/2023	33.76	7.19	4,375	15.3	3,600	1,250	1,250	<2	<2	280	1,470	1.03	<0.02	<0.02	<0.01
MW-8	5/30/2023	27.25	7.14	5,892	17.1	4,000	1,400	1,400	<2	<2	288	1,430	0.89	0.99	0.99	<0.01
MW-8	8/8/2023	23.88	7.22	5,184	20.5	3,900	1,250	1,250	<2	<2	275	1,380	0.95	<0.02	<0.02	<0.01
MW-8	11/14/2023	29.93	7.20	5,237	16.4	3,550	1,260	1,260	<2	<2	275	1,320	1.06	<0.02	<0.02	<0.01
MW-8	3/11/2024	33.10	7.16	4,969	14.4	3,660	1,230	1,230	<2	<2	315	1,300	1.03	<0.02	<0.02	<0.01
MW-8	5/15/2024	31.12	7.14	5,103	16.0	3,600	1,150	1,150	<2	<2	314	1,230	0.96	0.098	0.10	<0.01
MW-8	8/27/2024	31.21	7.19	4,834	17.3	3,800	1,230	1,230	<2	<2	322	1,300	0.96	0.023	0.02	<0.01
MW-8	11/19/2024	30.48	7.28	4,427	13.5	3,570	1,330	1,330	< 2	< 2	342	1,150	0.94	0.026	0.03	< 0.01
MW-8	2/17/2025	30.66	7.23	4,552	14.10	3,470	1330	1330	< 2	< 2	344	1120	1.43	0.041	0.04	< 0.01
MW-9	3/28/2022	26.16	6.55	4,834	15.0	4,420	223	223	<2	<2	44	3,200	0.49	0.51	1.38	0.867
MW-9	5/17/2022	26.32	6.59	5,486	16.9	4,390	232	232	<2	<2	44	2,980	0.44	0.89	1.33	0.44
MW-9	8/15/2022	26.42	6.86	4,998	18.9	4,640	323	323	<2	<2	45	3,160	0.43	0.04	0.04	<0.01
MW-9	11/7/2022	26.37	6.81	4,959	16.2	4,590	347	347	<2	<2	46	2,970	0.27	<0.02	<0.02	<0.01
MW-9	3/7/2023	26.52	6.90	4,387	13.6	4,600	389	389	<2	<2	44	2,850	0.44	<0.02	<0.02	<0.01
MW-9	5/31/2023	26.68	6.85	5,789	18.6	4,740	407	407	<2	<2	49	3,050	0.35	<0.02	<0.02	<0.01
MW-9	8/9/2023	26.83	6.97	5,170	17.4	4,640	393	393	<2	<2	49	2,870	0.39	0.05	0.05	<0.01
MW-9	11/15/2023	26.72	6.91	5,216	17.4	4,530	414	414	<2	<2	47	2,770	0.42	0.10	0.10	<0.01
MW-9	3/11/2024	25.77	6.86	5,087	15.6	4,880	421	421	<2	<2	45	2,590	0.42	<0.02	<0.02	<0.01
MW-9	5/20/2024	26.92	6.82	5,326	18.5	4,780	438	438	<2	<2	43	3,210	0.53	<0.02	<0.02	<0.01
MW-9	8/26/2024	26.98	6.83	5,147	18.1	4,650	421	421	<2	<2	45	2,970	0.38	<0.02	0.04	0.02
MW-9	11/20/2024	26.74	6.92	4,638	15.2	4,710	444	444	< 2	< 2	45	3,240	0.40	< 0.02	< 0.02	< 0.01
MW-9	3/3/2025	26.42	6.87	4,795	16.11	4,660	398	398	< 2	< 2	46	3410	0.44	< 0.02	< 0.02	< 0.01
MW-10	3/28/2022	26.35	7.43	5,724	15.1	4,220	587	587	<2	<2	289	2,380	0.99	<0.02	<0.02	<0.01
MW-10	5/17/2022	26.73	7.50	6,205	18.0	4,170	627	627	<2	<2	358	1,990	1.08	<0.02	<0.02	<0.01
MW-10	8/15/2022	26.04	7.56	5,813	18.8	4,210	644	644	<2	<2	350	2,240	1.16	<0.02	<0.02	<0.01
MW-10	11/7/2022	25.45	7.57	5,698	15.3	4,030	656	656	<2	<2	376	1,900	1.02	<0.02	<0.02	<0.01
MW-10	3/7/2023	24.88	7.65	4,662	13.8	3,890	696	696	<2	<2	375	1,730	1.15	<0.02	<0.02	<0.01
MW-10	5/31/2023	25.50	7.68	6,002	17.7	3,740	729	713	15	<2	399	1,640	1.18	<0.02	<0.02	<0.01
MW-10	8/9/2023	26.17	7.86	5,030	16.8	3,600	696	696	<2	<2	410	1,500	1.27	<0.02	<0.02	<0.01
MW-10	11/15/2023	25.68	7.82	4,403	16.1	3,360	727	701	27	<2	351	1,240	1.26	<0.02	<0.02	<0.01
MW-10	3/11/2024	25.21	7.76	3,502	15.1	2,550	784	784	<2	<2	382	806	1.40	<0.02	<0.02	<0.01
MW-10	5/20/2024	26.04	7.76	4,423	17.9	2,980	721	721	<2	<2	397	1,260	1.43	<0.02	<0.02	<0.01
MW-10	8/26/2024	26.42	7.79	1,661	19.4	2,780	719	719	<2	<2	386	1,050	1.35	<0.02	<0.02	<0.01
MW-10	11/20/2024	26.19	7.88	3,660	14.7	2,790	759	759	< 2	< 2	397	993	1.38	< 0.02	< 0.02	< 0.01
MW-10	3/3/2025	25.58	7.83	3,679	15.76	2,710	708	659	49.4	< 2	422	937	1.56	< 0.02	< 0.02	< 0.01
MW-11	3/23/2022	58.41	7.39	2,265	15.5	1,500	782	782	<2	<2	133	353	0.82	<0.02	<0.02	0.017
MW-11	5/17/2022	59.41	7.39	2,681	17.2	1,580	842	821	20	<2	136	330	0.91	<0.02	0.03	0.033
MW-11	8/15/2022	54.00	7.37	2,619	18.8	1,640	839	839	<2	<2	135	401	0.93	<0.2	<0.2	<0.01
MW-11	11/7/2022	57.23	7.35	2,573	15.2	1,590	839	839	<2	<2	125	359	0.76	<0.02	<0.02	<0.01
MW-11	3/6/2023	59.37	7.39	2,039	15.8	1,570	885	885	<2	<2	125	263	0.89	<0.02	<0.02	<0.01
MW-11	5/31/2023	52.18	7.39	2,861	16.6	1,700	898	898	<2	<2	138	424	0.87	<0.02	<0.02	<0.01
MW-11	8/8/2023	45.09	7.34	2,633	17.5	1,740	794	794	<2	<2	117	525	0.79	<0.2	<0.2	<0.01
MW-11	11/15/2023	34.24	7.30	2,474	16.8	1,630	787	787	<2	<2	100	471	0.85	<0.02	<0.02	<0.01
MW-11	3/11/2024	54.60	7.25	2,092	15.4	1,420	752	752	<2	<2	103	343	0.86	<0.02	<0.02	<0.01
MW-11	5/20/2024	53.34	7.77	----	27.9	1,630	769	769	<2	<2	111	476	1.14	<0.02	<0.02	<0.01
MW-11	8/27/2024	54.84	7.37	2,730	18.4	1,800	814	814	<2	<2	129	519	0.83	<0.02	<0.02	<0.01
MW-11	11/19/2024	53.62	7.41	2,866	10.6	2,060	841	841	< 2	< 2	149	737	0.79	0.027	0.03	< 0.01
MW-11	2/17/2025	54.08	7.34	2,958	14.48	2,120	747	747	< 2	< 2	134	756	0.89	< 0.02	< 0.02	< 0.01

Table 2 (Continued)

Location ID	Sample Date	Aluminum (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Calcium (mg/L)	Iron (mg/L)	Lead (mg/L)	Lithium (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Barium (mg/L)
MW-5	9/17/2020	DRY																					
MW-5	11/23/2020	DRY																					
MW-5	5/12/2021	DRY																					
MW-5	11/18/2021	DRY																					
MW-5	3/24/2022	DRY																					
MW-5	5/10/2022	DRY																					
MW-5	11/8/2022	DRY																					
MW-5	5/30/2023	DRY																					
MW-5	11/14/2023	DRY																					
MW-5	5/15/2024	DRY																					
MW-5	11/18/2024	DRY																					
MW-5	2/17/2025	DRY																					
MW-6	3/9/2020	<0.3	0.0005	<0.05	0.30	0.00016	<0.05	<0.05	0.06	----	<0.2	<0.0001	0.48	----	**0.40**	<0.0002	0.110	----	**0.0401**	----	<0.03	<0.05	----
MW-6	9/16/2020	0.19	0.0009	<0.01	0.31	0.00011	0.01	0.03	<0.01	----	0.19	0.0006	0.49	----	**0.39**	<0.0002	0.088	----	0.0064	----	<0.01	0.020	----
MW-6	11/23/2020	<0.25	<0.001	<0.05	0.33	<0.00025	<0.05	<0.05	<0.05	----	<0.3	<0.0005	0.45	----	**0.33**	<0.0002	0.114	----	0.0155	----	<0.05	0.110	----
MW-6	2/22/2021	<0.25	<0.001	<0.05	0.33	<0.00025	<0.05	<0.05	<0.05	----	<0.3	<0.0005	0.48	----	**0.32**	<0.0002	0.081	----	0.0049	----	<0.05	<0.1	----
MW-6	5/19/2021	<0.05	0.00237	<0.01	0.38	0.000058	<0.02	<0.02	<0.01	315	0.13	<0.0001	0.47	344	**0.36**	<0.0002	0.058	9.9	0.0023	810	<0.01	<0.02	----
MW-6	8/31/2021	<0.05	<0.001	<0.01	0.24	<0.00025	<0.02	<0.02	<0.01	410	<0.06	<0.0005	0.49	498	**0.28**	<0.0002	0.085	11.2	0.0148	575	<0.01	<0.02	----
MW-6	11/18/2021	<0.05	<0.001	<0.01	0.25	<0.00025	<0.1	<0.02	<0.01	383	<0.06	<0.0005	0.47	473	**0.24**	<0.0002	0.076	10.3	0.0153	589	<0.01	<0.02	----
MW-6	3/22/2022	<0.25	<0.001	<0.05	0.21	<0.00025	<0.1	<0.1	<0.05	488	<0.3	<0.0005	0.43	460	0.08	<0.0002	<0.04	11.5	**0.0465**	362	<0.05	<0.1	----
MW-6	5/17/2022	<0.25	<0.0002	<0.05	0.32	<0.00005	<0.1	0.012	<0.05	440	<0.3	<0.0001	0.46	422	0.20	<0.0002	0.121	10.9	**0.0538**	522	<0.05	<0.1	----
MW-6	8/15/2022	<0.25	0.00040	<0.05	0.19	0.000131	<0.1	0.020	<0.05	421	0.70	<0.0001	0.43	410	**0.29**	<0.0002	**0.409**	10.8	0.0112	456	<0.05	<0.1	----
MW-6	11/7/2022	<0.25	<0.001	<0.05	0.28	<0.00025	<0.1	**0.061**	<0.05	414	0.32	<0.0005	0.43	411	**0.61**	<0.0002	**0.320**	10.3	<0.0005	473	<0.05	<0.1	----
MW-6	3/6/2023	<0.05	0.00109	<0.01	0.25	<0.00025	<0.1	**0.063**	<0.01	413	1.55	<0.0005	0.42	416	**0.84**	<0.0002	0.102	10.7	<0.0005	558	<0.01	<0.02	----
MW-6	5/30/2023	<0.05	<0.001	<0.01	0.24	<0.00025	<0.02	**0.054**	<0.01	398	1.12	<0.0005	0.46	421	**0.66**	<0.0002	0.090	10.5	0.0032	566	<0.01	0.028	----
MW-6	8/8/2023	0.057	0.00076	0.012	0.27	<0.0001	<0.02	0.043	0.011	402	1.34	<0.0002	0.49	422	**0.51**	<0.0002	0.078	11.5	0.0053	532	<0.01	0.039	----
MW-6	11/14/2023	<0.25	<0.001	<0.05	0.24	<0.00025	<0.1	0.035	<0.05	414	0.86	<0.0005	0.43	408	**0.42**	<0.0002	0.083	11.3	0.0045	521	<0.05	<0.1	----
MW-6	3/11/2024	<0.25	0.00120	<0.01	0.26	<0.00025	<0.02	0.036	<0.01	386	1.35	<0.0005	0.4	398	**0.42**	<0.0002	0.068	9.9	<0.0005	543	<0.01	0.095	----
MW-6	5/15/2024	<0.25	0.00146	<0.05	0.287	0.000153	<0.1	0.0298	<0.05	402	0.784	<0.0001	0.383	389	**0.44**	<0.0002	0.0745	10.5	0.0002	605	<0.05	<0.1	----
MW-6	8/26/2024	<0.35	0.00191	<0.05	0.261	<0.00025	<0.1	0.034	<0.05	376	1.04	<0.0005	0.37	357.00	0.42	<0.0002	0.0495	9.4	<0.0005	584	<0.05	<0.1	----
MW-6	11/19/2024	< 0.35	0.00275	< 0.05	0.334	0.000051	< 0.1	0.0238	< 0.05	354	1.49	< 0.0001	0.38	337.00	**0.45**	< 0.0002	0.0515	9.2	0.00021	639	< 0.05	< 0.1	----
MW-6	2/17/2025	< 0.07	0.00257	0.01	0.368	0.000113	< 0.1	0.02230	< 0.01	339.0	1.67	< 0.0001	0.397	336.0	**0.467**	< 0.0002	0.048	9.2	< 0.0005	646	< 0.01	< 0.02	----
MW-7	3/9/2020	<0.3	<0.0002	<0.05	0.20	0.00011	<0.05	<0.05	<0.05	----	<0.2	<0.0001	0.60	----	<0.05	<0.0002	<0.04	----	**0.0701**	----	<0.03	<0.05	----
MW-7	9/16/2020	0.16	<0.0002	<0.01	0.14	0.00007	0.01	<0.01	<0.01	----	0.15	0.0002	0.43	----	0.01	<0.0002	0.013	----	**0.0655**	----	<0.01	<0.02	----
MW-7	11/23/2020	<0.25	<0.001	<0.05	0.15	<0.00025	<0.05	<0.05	<0.05	----	<0.3	<0.0005	0.38	----	<0.05	<0.0002	<0.04	----	**0.0452**	----	<0.05	<0.1	----
MW-7	2/22/2021	<0.25	<0.001	<0.05	0.20	<0.00025	<0.05	<0.05	<0.05	----	<0.3	<0.0005	0.63	----	<0.05	<0.002	<0.04	----	**0.0348**	----	<0.05	<0.1	----
MW-7	5/19/2021	<0.05	<0.0002	<0.01	0.14	0.000057	<0.02	<0.02	<0.01	460	<0.06	<0.0001	0.47	530	<0.01	<0.0002	0.023	13.7	**0.0401**	393	<0.01	<0.02	----
MW-7	8/31/2021	<0.05	<0.001	<0.01	0.31	<0.00025	<0.02	<0.02	<0.01	391	<0.06	<0.0005	0.52	397	0.07	<0.0002	0.016	10.8	0.0115	666	<0.01	<0.02	----
MW-7	11/18/2021	<0.05	<0.001	<0.01	0.19	<0.00025	<0.1	<0.02	<0.01	429	<0.06	<0.0005	0.38	386	0.06	<0.0002	0.016	10.6	**0.0284**	402	<0.01	<0.02	----
MW-7	3/22/2022	<0.25	<0.001	<0.05	0.39	<0.00025	<0.1	<0.1	<0.05	396	<0.3	<0.0005	0.55	428	0.06	<0.0002	<0.04	10.8	0.0114	671	<0.05	<0.1	----
MW-7	5/10/2022	<0.25	<0.001	<0.05	0.37	<0.00025	<0.1	0.0023	<0.05	376	<0.3	<0.0005	0.55	392	0.09	<0.0002	<0.04	10.1	0.0055	662	<0.05	<0.1	----
MW-7	8/15/2022	<0.25	0.0004	<0.05	0.29	0.000067	<0.1	0.0028	<0.05	346	0.44	<0.0001	0.54	371	0.07	<0.0002	<0.04	10.5	0.0008	703	<0.05	<0.1	----
MW-7	11/7/2022	<0.25	<0.001	<0.05	0.16	<0.00025	<0.1	0.0018	<0.05	454	<0.3	<0.0005	0.34	365	<0.05	<0.0002	<0.04	11.3	**0.0371**	306	<0.05	<0.1	----
MW-7	3/6/2023	<0.25	<0.002	<0.05	0.32	<0.0005	<0.1	0.0040	<0.05	384	<0.3	<0.001	0.56	449	0.06	<0.0002	<0.04	11.2	<0.001	706	<0.05	<0.1	----
MW-7	5/30/2023	<0.05	<0.001	<0.01	0.17	<0.00025	<0.02	0.0021	<0.01	466	0.09	<0.0005	0.45	519	<0.01	<0.0002	0.023	13.1	**0.0981**	360	<0.01	<0.02	----
MW-7	8/8/2023	0.057	<0.0004	0.012	0.33	<0.0001	<0.04	0.0025	0.011	385	0.17	<0.0002	0.61	436	0.08	<0.0002	0.017	12.0	0.0080	638	<0.01	<0.02	----
MW-7	11/14/2023	<0.05	<0.001	<0.01	0.36	<0.00025	<0.02	0.0014	<0.01	333	0.64	<0.0005	0.62	353	0.09	<0.0002	0.008	10.2	<0.0005	707	<0.01	<0.02	----
MW-7	3/11/2024	<0.05	<0.001	<0.01	0.15	<0.00025	<0.02	0.00243	<0.01	432	<0.06	<0.0005	0.34	379	<0.01	<0.0002	0.014	11.9	**0.0287**	370	<0.01	0.080	----
MW-7	5/15/2024	<0.25	<0.0002	<0.05	0.16	0.000125	<0.1	0.00367	0.174	475	<0.3	<0.0001	0.308	369	<0.05	<0.0002	<0.04	12.5	**0.0386**	399	<0.05	<0.1	----
MW-7	8/27/2024	<0.14	<0.001	<0.02	0.135	<0.00025	<0.04	0.00216	<0.02	449	<0.12	<0.0005	0.29	337.00	<0.02	0.00034	0.033	11.3	**0.0262**	366	<0.02	<0.04	----
MW-7	11/19/2024	< 0.35	0.0004	< 0.05	0.362	< 0.00005	< 0.1	0.0022	< 0.05	364	0.549	< 0.0001	0.48	349.00	0.07	< 0.0002	< 0.040	9.7	0.00375	718	< 0.05	< 0.1	----
MW-7	2/17/2025	< 0.07	0.00025	0.01	0.433	0.000108	< 0.1	0.00207	< 0.01	337.0	0.88	< 0.0001	0.519	347.0	0.114	< 0.0002	< 0.008	9.0	< 0.0005	751	< 0.01	< 0.02	----
MW-8	3/9/2020	DRY																					
MW-8	9/16/2020	DRY																					
MW-8	9/28/2020	<0.25	0.0138	<0.05	1.2	<0.00025	<0.05	<0.05	<0.05	----	2.62	<0.0005	0.51		**0.30**	<0.0002	<0.04		0.0008		<0.05	<0.1	----
MW-8	11/9/2020	DRY																					
MW-8	11/23/2020	<0.25	0.00219	<0.05	0.82	<0.00025	<0.05	<0.05	<0.05	----	<0.3	<0.0005	0.33	----	**0.25**	<0.0002	<0.04	----	<0.0005	----	<0.05	<0.1	----
MW-8	2/22/2021	<0.05	0.00350	<0.01	0.85	<0.00025	<0.01	<0.01	<0.01	----	<0.06	<0.0005	0.36	----	**0.31**	<0.0002	<0.008	----	<0.0005	----	<0.01	<0.02	----
MW-8	5/19/2021	<0.05	0.00155	<0.01	0.89	0.000065	<0.04	<0.02	<0.01	93	<0.06	0.00016	0.37	31	**0.28**	<0.0002	<0.008	6.2	0.0002	1250	<0.01	<0.02	----
MW-8	8/31/2021	<0.05	0.00124	<0.01	0.78	<0.00025	<0.02	<0.02	<0.01	111	<0.06	<0.0005	0.38	39	**0.32**	<0.0002	<0.008	5.9	<0.0005	1300	<0.01	<0.02	----
MW-8	11/18/2021	<0.05	<0.001	<0.01	0.80	<0.00025	<0.1	<0.02	<0.01	107	<0.06	<0.0005	0.38	47	**0.27**	<0.0002	<0.008	6.4	<0.0005	1150	<0.02	<0.02	----
MW-8	3/28/2022	<0.1	0.00279	<0.02	0.60	<0.0001	<0.04	<0.04	<0.02	60	<0.12	0.00036	0.26	20	0.20	<0.0002	<0.016	4.3	<0.0002	805	<0.02	<0.04	----
MW-8	5/17/2022	<0.1	0.00427	<0.02	0.88	<0.00005	<0.04	<0.04	<0.02	77	<0.12	<0.0001	0.39	29	**0.30**	<0.0002	<0.016	5.3	<0.0001	1180	<0.02	<0.04	----
MW-8	8/15/2022	<0.1	0.00767	<0.02	0.81	<0.00005	<0.04	<0.04	<0.02	68	0.83	<0.0001	0.37	27	**0.24**	<0.0002	<0.016	5.4	<0.0002	1110	<0.02	<0.04	----
MW-8	11/7/2022	<0.1	0.00542	<0.02	0.85	<0.0001	<0.04	0.00051	<0.02	68	0.89	<0.0002	0.37	27	**0.24**	<0.0002	<0.016	5.4	<0.0005	1160	<0.02	<0.04	----
MW-8	3/6/2023	<0.1	0.00511	<0.02	0.89	<0.0001	<0.04	0.00055	<0.02	52	0.86	<0.0002	0.36	28	**0.23**	<0.0002	<0.016	5.6	<0.0002	1240	<0.02	<0.04	----
MW-8	5/30/2023	<0.05	0.00146	<0.01	0.93	<0.00025	<0.02	0.00031	<0.01	60	1.02	<0.0005	0.42	25	0.19	<0.0002	<0.008	5.5	0.0009	1280	<0.01	<0.02	----
MW-8	8/8/2023	<0.05	0.00099	0.012	0.90	<0.0001	<0.04	0.00024	<0.01	64	0.89	<0.0002	0.44	26	**0.22**	<0.0002	<0.008	6.2	<0.0002	1140	<0.01	<0.02	----
MW-8	11/14/2023	<0.05	0.00095	<0.01	0.88	<0.0001	<0.02	0.00023	<0.01	64	0.85	<0.0002	0.44	26	**0.23**	<0.0002	<0.008	6.4	<0.0002	1150	<0.01	<0.02	----
MW-8	3/11/2024	<0.05	<0.001	<0.01	0.86	<0.00025	<0.02	0.00029	<0.01	59	0.71	<0.0005	0.34	25	0.19	<0.0002	<0.008	5.2	<0.0005	1210	<0.01	0.090	----
MW-8	5/15/2024	<0.1	0.00058	<0.02	0.90	0.000084	<0.04	0.000421	<0.02	58	0.63	<0.0001	0.33	25	0.18	<0.0002	<0.016	5.4	<0.0002	1260	<0.02	<0.04	----
MW-8	8/27/2024	<0.14	0.00071	<0.02	0.845	<0.0001	<0.04	0.000212	<0.02	52.9	0.467	<0.0002	0.33	23.10	0.16	0.00041	<0.016	5.0	0.00058	1140	<0.02	<0.04	----
MW-8	11/19/2024	< 0.14	0.00034	< 0.02	0.873	< 0.00005	< 0.04	0.000225	< 0.02	48.7	0.34	< 0.0001	0.32	22.20	0.13	< 0.0002	< 0.016	5.1	0.00294	1130	< 0.02	< 0.04	----
MW-8	2/17/2025	< 0.07	0.00035	0.01	0.884	< 0.00005	< 0.04	0.000198	< 0.01	47.4	0.34	< 0.0001	0.334	22.1	0.141	< 0.0002	< 0.008	5.1	0.00116	1120	< 0.01	< 0.02	----
MW-9	3/28/2022	0.14	<0.001	<0.01	0.90	<0.00025	<0.02	<0.02	<0.01	367	<0.06	<0.0005	0.29	178	**0.61**	<0.0002	0.022	8.1	<0.0005	540	<0.01	<0.02	----
MW-9	5/17/2022	<0.25	<0.0002	<0.05	1.19	<0.00005	<0.1	0.0093	<0.05	478	<0.3	<0.0001	0.36	216	**0.76**	<0.0002	<0.04	9.3	0.0003	694	<0.05	<0.1	----
MW-9	8/15/2022	<0.25	0.00058	<0.05	1.15	0.000065	<0.1	0.0040	<0.05	417	<0.3	<0.0001	0.36	156	**0.55**	<0.0002	<0.04	9.5	<0.0001	716	<0.05	<0.1	----
MW-9	11/7/2022	<0.25	0.0007	<0.05	1.26	<0.00025	<0.1	0.0063	0.05	418	0.51	<0.0005	0.38	158	**0.55**	<0.0002	<0.04	9.0	<0.0001	741	<0.05	<0.1	----
MW-9	3/7/2023	<0.05	0.00061	<0.01	1.32	<0.00005	<0.1	0.0036	<0.01	409	0.94	<0.0001	0.38	156	**0.46**	<0.0002	<0.008	9.0	<0.0001	779	<0.01	<0.02	----
MW-9	5/31/2023	0.052	<0.001	<0.01	1.39	<0.00025	<0.02	0.0025	<0.01	415	1.39	<0.0005	0.41	161	**0.45**	<0.0002	<0.008	8.9	<0.0005	820	<0.01	<0.02	----
MW-9	8/9/2023	0.151	<0.001	<0.01	1.32	<0.00025	<0.02	0.0022	<0.01	395	1.69	<0.0005	0.44	158	**0.50**	<0.0002	<0.008	8.6	<0.0005	747	<0.01	0.738	----
MW-9	11/15/2023	<0.05	<0.001	<0.01	1.43	<0.00025	<0.02	0.0018	<0.01	408	1.77	<0.0005	0.37	159	**0.42**	<0.0002	<0.008	9.2	<0.0005	799	<0.01	<0.02	----
MW-9	3/11/2024	<0.05	0.00092	<0.01	1.40	<0.0001	<0.02	0.0018	<0.01	400	1.89	<0.0002	0.39	158	**0.38**	<0.0002	<0.008	8.8	<0.0002	809	<0.01	0.090	----
MW-9	5/20/2024	<0.25	<0.001	<0.05	1.47	<0.00025	<0.1	0.0021	<0.05	414	2.1	<0.0005	0.415	159	**0.41**	<0.0002	<0.04	8.69	<0.0005	**830**	**<0.05**	<0.1	----
MW-9	8/26/2024	<0.35	<0.001	<0.05	1.39	<0.00025	<0.1	0.00143	<0.05	405	2.16	<0.0005	0.39	156.00	**0.36**	<0.0002	<0.04	8.8	<0.0005	816	<0.05	<0.1	----
MW-9	11/20/2024	< 0.35	0.00122	< 0.05	1.5	< 0.00005	< 0.1	0.0013	< 0.05	435	2.63	< 0.0005	0.47	179.00	**0.40**	< 0.0002	< 0.04	9.4	<0.0001	915	< 0.05	< 0.1	----
MW-9	3/3/2025	< 0.07	0.00079	< 0.01	1.36	0.000113	< 0.02	0.00166	< 0.01	399.0	2.22	< 0.0001	0.387	157.0	**0.353**	< 0.0002	< 0.008	8.7	< 0.0001	817	< 0.01	< 0.02	----
MW-10	3/28/2022	<0.25	0.00289	<0.05	0.99	<0.00025	<0.1	<0.1	<0.05	430	<0.3	0.00055	0.31	198	**0.69**	<0.0002	<0.04	8.9	**<0.0005**	615	<0.05	<0.1	----
MW-10	5/17/2022	<0.25	0.00321	<0.05	1.59	<0.00005	<0.1	0.00102	<0.05	83	0.51	<0.0001	0.34	24	0.07	<0.0002	<0.04	6.9	0.0004	1400	<0.05	<0.1	----
MW-10	8/15/2022	<0.25	0.00404	<0.05	1.32	<0.00005	<0.1	0.000287	<0.05	54	0.62	0.00021	0.31	16.2	<0.05	<0.0002	<0.04	6.9	**<0.0002**	1240	<0.05	<0.1	----
MW-10	11/7/2022	<0.25	0.00264	<0.05	1.40	<0.00025	<0.1	<0.00025	0.06	46	0.53	<0.0005	0.32	14.7	<0.05	<0.0002	<0.04	6.3	**<0.0005**	1240	<0.05	<0.1	----
MW-10	3/7/2023	<0.05	0.00182	<0.01	1.33	0.000052	<0.04	0.00017	<0.01	40	0.47	0.00028	0.30	12.4	0.03	<0.0002	<0.008	5.9	0.0001	1090	<0.01	<0.02	----
MW-10	5/31/2023	<0.05	0.00138	<0.01	1.35	<0.0001	<0.02	<0.0001	<0.01	38	0.41	<0.0002	0.30	11.8	0.02	<0.0002	<0.008	5.6	**<0.0002**	1230	<0.01	<0.02	----
MW-10	8/9/2023	<0.05	0.00110	<0.01	1.25	<0.00005	<0.02	0.000075	<0.01	33	0.33	0.0001	0.32	10.2	0.02	<0.0002	<0.008	5.5	**<0.0005**	1110	<0.01	<0.02	----
MW-10	11/15/2023	<0.05	0.00110	<0.01	1.31	<0.00025	<0.02	<0.00025	<0.01	29	0.27	<0.0005	0.26	8.63	<0.01	<0.0002	<0.008	5.4	**<0.0005**	1170	<0.01	<0.02	----
MW-10	3/11/2024	<0.05	0.00156	<0.01	1.31	<0.0001	<0.02	<0.0001	<0.01	25	0.32	0.0002	0.21	7.59	0.01	<0.0002	<0.008	4.1	**<0.0002**	829	<0.01	0.082	----
MW-10	5/20/2024	<0.25	0.0007	<0.05	1.33	<0.0001	<0.1	0.000163	<0.05	33.4	<0.3	<0.0002	0.23	11	<0.05	<0.0002	<0.04	4.4	**<0.0002**	982	<0.05	<0.1	----
MW-10	8/26/2024	<0.14	0.00072	<0.02	1.27	<0.0001	<0.04	<0.0001	<0.02	27.4	0.218	<0.0002	0.22	9.03	<0.02	<0.0002	<0.016	4.2	**<0.0005**	921	<0.02	<0.04	----
MW-10	11/20/2024	< 0.14	0.00063	< 0.02	1.24	< 0.00005	< 0.04	0.000082	< 0.02	28.2	0.254	< 0.0001	0.25	9.65	0.02	< 0.0002	< 0.016	4.4	< 0.0002	958	< 0.02	< 0.04	----
MW-10	3/3/2025	< 0.07	0.00043	< 0.01	1.23	< 0.00005	< 0.02	0.00029	< 0.01	25.9	0.184	< 0.0001	0.205	8.8	0.01	< 0.0002	< 0.008	4.2	< 0.0005	878	< 0.01	< 0.02	----
MW-11	3/23/2022	<0.05	<0.002	<0.01	0.41	<0.0005	<0.02	<0.02	<0.01	45	<0.06	<0.001	0.15	24	<0.01	<0.0002	<0.008	3.6	<0.002	461	<0.01	<0.02	----
MW-11	5/17/2022	<0.05	0.00078	<0.01	0.49	<0.00005	<0.02	<0.02	<0.01	52	<0.06	<0.0001	0.18	29	0.02	<0.0002	<0.008	3.4	**0.1320**	513	<0.01	<0.02	----
MW-11	8/15/2022	<0.05	0.00051	<0.01	0.45	<0.00005	<0.02	<0.02	<0.01	47	<0.06	<0.0001	0.16	26	<0.01	<0.0002	<0.008	3.5	**0.1250**	477	<0.01	<0.02	----
MW-11	11/7/2022	<0.05	0.00029	<0.01	0.43	<0.00005	<0.02	0.0023	<0.01	68	<0.06	<0.0001	0.15	34	0.02	<0.0002	0.011	3.7	**0.1620**	412	<0.01	<0.02	----
MW-11	3/6/2023	<0.05	<0.0002	<0.01	0.46	<0.00005	<0.02	0.00043	<0.01	53	<0.06	<0.0001	0.14	28	<0.01	<0.0002	<0.008	3.4	**0.1140**	435	<0.01	<0.02	----
MW-11	5/31/2023	<0.05	0.00025	<0.01	0.48	<0.00005	<0.02	0.0001	<0.01	46	<0.06	<0.0001	0.17	29	0.02	<0.0002	<0.008	3.7	0.0386	563	<0.01	<0.02	----
MW-11	8/8/2023	<0.05	0.00180	0.012	0.47	<0.0001	<0.02	0.0002	0.01	68	0.06	<0.0002	0.19	36	0.11	<0.0002	<0.008	4.1	0.0007	494	<0.01	<0.02	----
MW-11	11/15/2023	0.526	0.00041	<0.01	0.44	<0.00005	<0.02	0.00054	<0.01	91	0.19	<0.0001	0.16	44	0.07	<0.0002	<0.008	4.4	**0.0421**	422	<0.01	<0.02	----
MW-11	3/11/2024	<0.05	0.00021	<0.01	0.44	<0.00005	<0.02	0.000789	<0.01	71	0.17	<0.0001	0.14	36	0.03	<0.0002	<0.008	3.5	<0.0001	414	<0.01	0.071	----
MW-11	5/20/2024	<0.05	0.00023	<0.01	0.43	<0.00005	<0.02	0.000505	<0.01	55	<0.06	<0.0001	0.15	31	0.01	<0.0002	<0.008	3.4	**0.0487**	455	<0.01	<0.02	----
MW-11	8/27/2024	<0.07	<0.0002	<0.01	0.437	<0.00005	<0.02	0.000256	<0.01	56.9	<0.06	<0.0001	0.16	33.80	<0.01	0.00036	<0.008	3.6	**0.0284**	513	<0.01	<0.02	----
MW-11	11/19/2024	< 0.14	< 0.001	< 0.02	0.465	< 0.00025	< 0.04	< 0.00025	< 0.02	54.2	< 0.12	< 0.0005	0.19	35.70	< 0.02	< 0.0002	< 0.016	3.9	**0.1230**	606	< 0.02	< 0.04	----
MW-11	2/17/2025	< 0.14	< 0.0002	0.02	0.449	< 0.00005	< 0.04	0.00027	< 0.02	58.3	< 0.12	< 0.0001	0.201	37.6	0.02	< 0.0002	< 0.016	3.9	**0.1100**	587	< 0.02	< 0.04	----

Table 2 (Continued)

Location ID	Sample Date	Depth to Water (ft BTOC)	Field pH (SU)	Field Specific Conductance (µS/cm)	Field Temperature (Degrees C)	Total Dissolved Solids (mg/L)	Total Alkalinity (mg/L)	Bicarbonate as CaCO3 (mg/L)	Carbonate as CaCO3 (mg/L)	Hydroxide as CaCO3 (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Fluoride (mg/L)	Nitrate (mg/L)	Nitrate/Nitrite (mg/L)	Nitrite (mg/L)
MW-12	3/28/2022	63.48	8.19	2,896	15.4	1,360	409	380	29	<2	374	129	**2.52**	<0.02	<0.02	0.012
MW-12	5/17/2022	81.76	8.04	3,720	17.3	1,810	472	448	24	<2	793	88	**2.21**	0.32	1.28	0.957
MW-12	8/15/2022	79.28	7.69	4,219	18.0	2,370	523	523	<2	<2	954	204	1.85	8.89	9.40	0.511
MW-12	11/7/2022	72.80	7.67	4,399	15.2	2,450	553	553	<2	<2	1,000	195	1.65	4.18	5.73	1.55
MW-12	3/6/2023	65.47	7.74	3,504	17.7	2,520	634	631	3.1	<2	1,020	186	1.77	0.09	0.59	0.495
MW-12	5/31/2023	65.23	7.79	4,903	17.1	2,530	638	629	8.5	<2	1,070	159	1.81	<0.02	<0.02	<0.01
MW-12	8/8/2023	63.24	7.82	4,492	19.0	2,580	615	615	<2	<2	1,000	220	1.77	<0.02	<0.02	<0.01
MW-12	11/15/2023	60.60	7.76	4,570	17.1	2,730	622	602	20	<2	1,030	315	1.79	<0.02	<0.02	<0.01
MW-12	3/11/2024	58.65	7.70	4,510	14.7	2,710	632	632	<2	<2	984	326	1.84	<0.02	<0.02	<0.02
MW-12	5/20/2024	58.90	7.68	4,591	17.9	2,690	651	651	<2	<2	975	380	1.93	<0.02	<0.02	<0.02
MW-12	8/27/2024	58.70	7.75	4,271	19.0	2,640	643	643	<2	<2	985	328	1.77	0.046	0.05	<0.01
MW-12	11/19/2024	58.94	7.81	4,195	13.5	2,670	684	684	< 2	< 2	1,060	299	1.74	< 0.02	< 0.02	< 0.01
MW-12	2/17/2025	58.70	7.77	4,118	13.95	2,660	608	608	< 2	< 2	931	300	1.85	< 0.02	< 0.02	< 0.01
MW-13	3/23/2022	117.48	8.23	3,872	16.9	2,430	1,060	1,030	29	<2	573	234	**5.41**	<0.02	<0.02	<0.01
MW-13	5/10/2022	118.78	8.38	3,190	17.5	2,150	995	933	62	<2	566	89	**6.06**	0.11	0.11	<0.01
MW-13	8/15/2022	119.21	7.89	4,115	19.1	2,610	1,180	1,180	<2	<2	606	172	**6.46**	<0.02	<0.02	0.029
MW-13	11/8/2022	119.31	7.96	4,251	16.0	2,540	1,280	1,230	53	<2	643	122	**6.51**	0.04	0.06	0.024
MW-13	3/6/2023	83.74	7.91	3,668	15.7	2,730	1,450	1,340	111	<2	674	104	**6.49**	<0.02	<0.02	<0.01
MW-13	5/30/2023	119.19	8.00	4,842	17.7	2,640	1,450	1,380	75	<2	654	64	**5.79**	<0.02	<0.02	<0.01
MW-13	8/8/2023	84.08	8.16	4,054	18.0	2,590	1,350	1,260	89	<2	673	69	**6.57**	0.03	0.03	<0.01
MW-13	11/14/2023	111.52	8.04	4,145	18.0	2,640	1,360	1,290	73	<2	677	132	**6.82**	<0.02	<0.02	<0.01
MW-13	3/11/2024	117.18	7.95	3,783	15.3	2,700	1,230	1,230	<2	<2	656	138	**6.34**	<0.02	<0.02	0.012
MW-13	5/15/2024	107.82	7.91	4,019	16.8	2,670	1,190	1,190	<2	<2	643	187	**6.22**	<0.02	<0.02	0.017
MW-13	9/4/2024	117.50	8.04	4,079	17.5	2,810	1,250	1,250	<2	<2	645	197	**6.13**	<0.02	<0.02	<0.01
MW-13	11/18/2024	116.72	8.03	3,599	15.6	2,750	1,320	1,320	< 2	< 2	671	169	**6.05**	< 0.02	< 0.02	< 0.01
MW-13	3/3/2025	117.20	8.03	3,910	16.38	2,630	1230	1130	100.0	< 2	680	198	**6.51**	< 0.02	< 0.02	< 0.01
MW-14	3/28/2022	92.54	8.07	3,669	17.5	2,300	866	800	66	<2	473	353	**2.35**	<0.02	<0.02	<0.01
MW-14	5/17/2022	108.77	7.68	6,741	17.2	3,610	1,320	1,300	27	<2	1,410	143	**3.10**	0.02	0.02	<0.01
MW-14	8/15/2022	95.53	7.66	5,626	18.2	4,240	1,300	1,300	<2	<2	1,480	321	**3.10**	<0.02	<0.02	<0.01
MW-14	11/8/2022	92.34	7.59	6,395	15.5	4,410	1,320	1,320	<2	<2	1,660	393	**2.87**	<0.02	<0.02	<0.01
MW-14	3/6/2023	90.12	7.60	5,744	14.7	4,690	1,470	1,410	62	<2	1,590	460	**3.10**	<0.02	<0.02	<0.01
MW-14	5/30/2023	86.50	7.61	8,043	17.8	4,710	1,490	1,490	<2	<2	1,730	414	**2.61**	<0.02	<0.02	<0.01
MW-14	8/8/2023	82.40	7.71	6,875	18.9	4,750	1,420	1,420	<2	<2	1,710	436	**2.90**	0.026	0.03	<0.01
MW-14	11/14/2023	99.18	7.64	6,832	17.4	4,590	1,500	1,470	35	<2	1,630	232	**4.01**	<0.02	<0.02	<0.01
MW-14	3/11/2024	97.32	7.57	6,462	14.7	4,920	1,420	1,420	<2	<2	1,700	429	**2.98**	<0.02	<0.02	<0.01
MW-14	5/15/2024	98.34	7.57	6,596	16.4	4,780	1,330	1,330	<2	<2	1,730	352	**2.87**	<0.02	<0.02	<0.01
MW-14	9/4/2024	96.10	7.69	6,580	18.8	5,000	1,400	1,400	<2	<2	1,830	357	**3.03**	<0.02	<0.02	<0.01
MW-14	11/18/2024	94.61	7.74	6,326	15.3	4,590	1,480	1,480	< 2	< 2	1,830	253	**3.03**	0.021	0.02	< 0.01
MW-14	3/3/2025	93.48	7.70	5,667	15.93	4,580	1400	1330	68.7	< 2	1940	196	**3.55**	< 0.02	< 0.02	< 0.01
MW-15	6/11/2024	DRY														
MW-15	8/26/2024	DRY														
MW-15	11/20/2024	DRY														
MW-15	3/3/2025	DRY														
MW-16	6/25/2024	DRY														
MW-16	8/26/2024	DRY														
MW-16	11/20/2024	77.25	**NOT ENOUGH WATER TO OBTAIN SAMPLE**													
MW-16	3/3/2025	76.72	**NOT ENOUGH WATER TO OBTAIN SAMPLE**													
MW-17	6/11/2024	DRY														
MW-17	8/26/2024	DRY														
MW-17	11/20/2024	DRY														
MW-17	3/3/2025	DRY														
MW-18	6/11/2024	38.69	7.58	1,041	18.9	830	319	319	<2	<2	23	377	1.22	1.36	1.36	<0.01
MW-18	8/26/2024	39.08	7.72	1,296	16.9	880	366	366	<2	<2	25	333	1.25	0.023	0.02	<0.01
MW-18	11/20/2024	38.24	7.76	1,220	14.8	900	407	407	< 2	< 2	29	304	1.36	< 0.02	< 0.02	< 0.01
MW-18	3/3/2025	36.96	7.55	1,318	15.85	932	369	357	12.2	< 2	27	405	1.54	0.022	0.02	< 0.01
MW-19	6/10/2024	12.42	8.09	1,710	18.0	1,290	535	535	<2	<2	123	393	1.40	<0.02	<0.02	<0.01
MW-19	8/27/2024	14.54	8.14	2,014	17.9	1,290	550	550	<2	<2	123	362	1.40	<0.02	<0.02	<0.01
MW-19	11/20/2024	14.56	8.22	1,948	13.2	1,360	583	583	< 2	< 2	122	466	1.55	< 0.02	< 0.02	< 0.01
MW-19	2/17/2025	14.20	8.21	1,976	14.04	1,340	555	555	< 2	< 2	128	441	1.63	< 0.02	< 0.02	< 0.01
MW-20	6/10/2024	48.08	8.14	2,854	18.9	2,230	546	546	<2	<2	848	78	**2.23**	0.363	0.38	0.017
MW-20	8/27/2024	20.73	7.50	NM	19.7	2,140	593	593	<2	<2	1,010	65	**2.37**	<0.02	0.03	0.013
MW-20	11/20/2024	14.67	8.15	3,462	14.4	2,220	640	640	< 2	< 2	998	61	**2.41**	< 0.02	< 0.02	< 0.01
MW-20	2/17/2025	12.79	8.13	3,498	13.92	2,310	535	535	< 2	< 2	1080	79	**2.52**	< 0.02	< 0.02	< 0.01
MW-21	6/10/2024	44.68	8.20	3,209	16.4	2,520	833	833	<2	<2	146	1,130	1.47	<0.02	<0.02	<0.01
MW-21	9/4/2024	47.57	8.40	3,505	17.8	2,530	901	901	<2	<2	153	926	1.64	<0.02	<0.02	<0.01
MW-21	11/18/2024	43.81	8.37	3,180	16.4	2,520	935	935	< 2	< 2	160	875	1.40	0.044	0.04	< 0.01
MW-21	2/24/2025	46.44	8.32	3,366	15.57	2,460	900	856	44.2	< 2	159	995	1.31	< 0.02	< 0.02	< 0.01
MW-22	6/25/2024	149.03	**9.10**	1,122	19.9	792	286	286	<2	<2	161	163	1.99	0.028	0.18	0.155
MW-22	9/4/2024	149.71	8.39	NM	24.0	1,280	426	426	<2	<2	346	180	1.91	0.952	1.19	0.238
MW-22	11/18/2024	153.33	**NOT ENOUGH WATER TO OBTAIN SAMPLE**													
MW-22	2/24/2025	152.11	**NOT ENOUGH WATER TO OBTAIN SAMPLE**													
MW-23	6/10/2024	71.41	8.26	713	17.4	534	261	261	<2	<2	27	158	0.95	0.709	0.75	0.044
MW-23	9/4/2024	73.84	7.85	1,297	19.2	818	439	439	<2	<2	42	190	1.08	0.75	0.78	0.032
MW-23	11/18/2024	76.17	7.87	1,628	15.8	1,110	717	717	< 2	< 2	71	217	0.70	1.26	1.34	0.083
MW-23	2/24/2025	76.72	7.59	2,109	17.72	1,490	898	898	< 2	< 2	108	353	0.61	2.43	2.47	0.037
MW-24	6/10/2024	103.26	**9.34**	720	18.3	704	221	<2	221	<2	50	147	**2.06**	0.033	0.36	0.327
MW-24	9/4/2024	111.56	**8.92**	1,634	20.6	5	754	well not recovered, sample not collected								
MW-24	11/18/2024	112.79	**NOT ENOUGH WATER TO OBTAIN SAMPLE**													
MW-24	2/24/2025	112.78	**NOT ENOUGH WATER TO OBTAIN SAMPLE**													
Field QA/QC Samples																
MW-6	5/15/2024	----	----	----	----	5,060	525	525	<2	<2	82	3,510	0.53	<0.02	<0.02	<0.01
MW-6	8/26/2024	----	----	----	----	5,380	480	480	<2	<2	82	3,140	0.49	0.023	0.02	<0.01
MW-7	3/9/2020	----	----	----	----	6,530	----	----	----	----	----	----	0.40	15	14.50	0.05
MW-7	9/16/2020	----	----	----	----	5,040	----	----	----	----	----	----	0.40	11	10.90	0.03
MW-7	2/22/2021	----	----	----	----	6,460	----	----	----	----	----	----	0.49	10	10.30	0.068
MW-7	5/19/2021	----	----	----	----	**----**	291	291	<2	<2	51	3,280	0.43	7.45	7.48	0.028
MW-7	8/31/2021	----	----	----	----	**----**	464	464	<2	<2	109	3,480	0.53	0.91	0.91	<0.01
MW-7	3/22/2022	----	----	----	----	5,730	492	492	<2	<2	94	3,720	0.56	1.18	1.20	0.018
MW-7	5/10/2022	----	----	----	----	5,660	490	490	<2	<2	104	3,290	0.58	0.20	0.20	<0.01
MW-7	3/6/2023	----	----	----	----	5,870	504	504	<2	<2	89	3,480	0.51	0.20	0.20	<0.01
MW-7	3/11/2024	----	----	----	----	4,720	247	247	<2	<2	43	2,870	0.50	6.45	6.45	<0.01
MW-8	11/23/2020	----	----	----	----	4,040	----	----	----	----	----	----	1.15	<0.050	<0.02	<0.01
MW-8	11/18/2021	----	----	----	----	**----**	1,130	1,130	<2	<2	288	1,920	0.89	0.078	0.11	0.029
MW-8	8/15/2022	----	----	----	----	3,730	1,100	1,100	<2	<2	290	1,560	1.07	<0.02	<0.02	<0.01
MW-8	11/7/2022	----	----	----	----	3,770	1,110	1,110	<2	<2	289	1,460	0.93	0.26	0.26	<0.01
MW-8	8/8/2023	----	----	----	----	3,800	1,250	1,250	<2	<2	295	1,350	0.95	<0.02	<0.02	<0.01
MW-8	2/17/2025	31.56	6.95	5,221	14.22	5,560	520	520	< 2	< 2	106	3120	0.58	< 0.02	< 0.02	< 0.01
MW-11	5/31/2023	----	----	----	----	1,700	902	898	3.3	<2	142	423	0.86	<0.02	<0.02	<0.01
MW-12	11/15/2023	----	----	----	----	3,660	639	613	26	<2	923	314	1.77	0.04	0.04	<0.01
MW-21	6/10/2024	----	----	----	----	2,480	838	838	<2	<2	146	1,120	1.38	0.04	0.04	<0.01
MW-21	9/4/2024	----	----	----	----	2,430	889	889	<2	<2	154	1,040	1.67	<0.02	<0.02	<0.01
MW-23	11/18/2024	----	----	----	----	1,130	702	702	< 2	< 2	69	190	0.72	1.46	1.55	0.091
FIELD BLANK	12/2/2024	----	----	----	----	< 20	2	2	< 2	< 2	< 1	< 1	< 0.15	< 0.02	< 0.02	< 0.01
FIELD BLANK	3/3/2025	93.48	7.70	5,667	15.93	< 20	< 2	< 2	< 2	< 2	< 1	< 1	< 0.15	< 0.02	< 0.02	< 0.01
CDPHE Regulation 41 Table 3 Groundwater Quality Reference Standards (Agricultural Use)[1]			*6.5 -8.5*	----	----	*10,000*	----	----	----	----	----	----	*2.00*	----	*100.00*	*10*

Notes:

- Concentration in bold indicate exceedance of the CDPHE Groundwater Quality Reference Standard for Agricultural Use as applicable to the facility.
- Underlined values exceeded the method hold time for analysis.
- The applicable facility standards established for boron (5.0 mg/L) and total dissolved solids (<10,000) are different than the CDPHE agricultural use standards; 0.75 mg/L and 1.5 x background, respectively.
- MW-5 has been dry since installation and initial monitoring on 7/14/2008
- 2020 Q2 monitoring not conducted due to COVID-19 restrictions.

Table 2 (Continued)

Location ID	Sample Date	Aluminum (mg/L)	Arsenic (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Calcium (mg/L)	Iron (mg/L)	Lead (mg/L)	Lithium (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)	Barium (mg/L)
MW-12	3/28/2022	<0.05	0.00464	<0.01	0.60	<0.00005	<0.02	<0.02	<0.01	11	<0.06	<0.0001	0.11	3.12	0.01	<0.0002	<0.008	2.2	<0.0002	488	<0.01	<0.02	----
MW-12	5/17/2022	<0.05	0.00233	<0.01	0.80	<0.00005	<0.02	<0.02	<0.01	14	<0.06	<0.0001	0.17	4.55	0.03	<0.0002	<0.008	2.9	0.0007	707	<0.01	<0.02	----
MW-12	8/15/2022	<0.1	0.00157	<0.02	0.79	<0.00005	<0.04	<0.04	<0.02	26	<0.12	<0.0002	0.19	6.19	<0.02	<0.0002	<0.016	3.7	<0.0002	805	<0.02	<0.04	----
MW-12	11/7/2022	<0.1	0.00081	<0.02	0.84	<0.0001	<0.04	0.0017	<0.02	26	<0.12	<0.0002	0.20	7.38	0.07	<0.0002	0.099	4.1	0.0008	861	<0.02	<0.04	----
MW-12	3/6/2023	<0.1	0.00302	<0.02	0.87	<0.0001	<0.04	0.00095	<0.02	24	<0.12	0.00021	0.21	8.32	0.04	<0.0002	0.048	4.0	0.0004	967	<0.02	<0.04	----
MW-12	5/31/2023	<0.05	0.00203	<0.01	0.89	<0.0001	<0.02	0.00037	<0.01	21	0.30	0.00028	0.21	8.70	0.10	<0.0002	<0.008	3.9	<0.0002	958	<0.01	<0.02	----
MW-12	8/8/2023	<0.05	0.00241	0.012	0.93	<0.0001	<0.02	0.00062	0.013	24	0.19	0.00021	0.27	9.05	0.11	<0.0002	<0.008	4.8	<0.0005	879	<0.01	<0.02	----
MW-12	11/15/2023	<0.05	0.00246	<0.01	0.93	<0.0001	<0.02	0.00082	<0.01	27	0.12	<0.0002	0.26	10.30	0.09	<0.0002	<0.008	5.2	<0.0010	909	<0.01	<0.02	----
MW-12	3/11/2024	<0.05	0.00271	<0.01	0.90	<0.0001	<0.02	0.000756	<0.01	26	0.19	<0.0002	0.21	10.20	0.08	<0.0002	<0.008	4.03	<0.0010	971	<0.01	0.092	----
MW-12	5/20/2024	<0.25	0.00263	<0.05	0.96	<0.0001	<0.1	0.000603	<0.05	24	<0.3	<0.0002	0.21	9.63	0.06	<0.0002	<0.04	3.82	<0.0002	977	<0.05	<0.1	----
MW-12	8/27/2024	<0.14	0.00285	<0.02	0.889	<0.0001	<0.04	0.000592	<0.02	22.6	<0.12	<0.0002	0.22	9.53	0.05	<0.0002	<0.016	4.0	0.00472	973	<0.02	<0.04	----
MW-12	11/19/2024	< 0.14	0.00257	< 0.02	0.898	< 0.00005	< 0.04	0.000421	< 0.02	21.1	< 0.12	< 0.0001	0.21	8.86	0.04	< 0.0002	< 0.016	3.9	< 0.0002	950	< 0.02	< 0.04	----
MW-12	2/17/2025	< 0.14	0.00306	0.02	0.911	< 0.00005	< 0.04	0.00036	< 0.02	19.6	0.14	< 0.0001	0.227	8.7	0.05	< 0.0002	< 0.016	3.9	< 0.0002	937	< 0.02	< 0.04	----
MW-13	3/23/2022	<0.1	0.00178	<0.02	0.94	<0.0001	<0.04	<0.04	<0.02	5	<0.12	<0.0002	0.18	1.45	<0.02	<0.0002	<0.016	2.9	<0.0002	885	<0.02	<0.04	----
MW-13	5/10/2022	<0.1	0.00075	<0.02	0.95	<0.0001	<0.04	<0.04	<0.02	4	<0.12	<0.0002	0.18	1.00	<0.02	<0.0002	<0.016	2.4	0.0184	782	<0.02	<0.04	----
MW-13	8/15/2022	<0.1	0.00285	<0.02	1.00	<0.00005	<0.04	<0.04	<0.02	8	<0.12	<0.0001	0.21	1.74	<0.02	<0.0002	<0.016	3.1	<0.0002	910	<0.02	<0.04	----
MW-13	11/8/2022	<0.1	0.00102	<0.02	1.03	<0.00025	<0.04	<0.00025	<0.02	7	<0.12	<0.0002	0.23	1.67	<0.02	<0.0002	<0.016	3.1	<0.0002	977	<0.02	<0.04	----
MW-13	3/6/2023	<0.1	<0.001	<0.02	1.09	<0.00025	<0.04	<0.00025	<0.02	8	<0.12	<0.0005	0.24	2.21	<0.02	<0.0002	<0.016	3.1	<0.0002	1060	<0.02	<0.04	----
MW-13	5/30/2023	<0.05	0.00044	<0.01	1.04	0.00012	<0.02	0.00022	<0.01	6	<0.06	0.00043	0.28	1.82	<0.01	<0.0002	<0.008	2.9	<0.0010	1050	<0.01	<0.02	----
MW-13	8/8/2023	<0.05	<0.0004	0.012	1.06	<0.0001	<0.02	<0.0001	<0.01	6	<0.06	<0.0002	0.28	1.82	0.01	<0.0002	<0.008	3.8	<0.0005	945	<0.01	<0.02	----
MW-13	11/14/2023	<0.05	0.0004	<0.01	1.07	<0.0001	<0.02	<0.0001	<0.01	7	<0.06	<0.0002	0.27	1.74	<0.01	<0.0002	<0.008	3.6	<0.0002	891	<0.01	<0.02	----
MW-13	3/11/2024	<0.05	<0.0001	<0.02	1.07	<0.00025	<0.02	<0.00025	<0.01	7	<0.06	<0.0005	0.22	1.93	<0.01	<0.0002	<0.008	2.9	<0.0005	976	<0.02	0.067	----
MW-13	5/15/2024	<0.1	0.00044	<0.02	1.12	<0.00005	<0.04	0.000087	<0.02	8	<0.12	<0.0001	0.218	1.98	<0.02	<0.0002	<0.016	3.09	<0.0002	1100	<0.02	<0.04	----
MW-13	9/4/2024	<0.14	0.00043	<0.02	1.04	<0.00005	<0.04	0.000065	<0.02	6.8	<0.12	<0.0001	0.24	2.05	<0.02	<0.0002	<0.016	2.5	<0.0002	1040	<0.02	<0.04	----
MW-13	11/18/2024	< 0.14	0.00047	< 0.02	1.04	< 0.00005	< 0.04	0.000058	< 0.02	6.75	< 0.12	< 0.0001	0.22	1.85	< 0.02	< 0.0002	< 0.016	2.8	<0.0002	1020	< 0.02	< 0.04	----
MW-13	3/3/2025	< 0.07	< 0.001	< 0.01	1.04	< 0.00025	< 0.02	0.000313	< 0.01	6.7	< 0.06	< 0.0005	0.207	1.9	< 0.01	< 0.0002	< 0.008	2.9	< 0.0005	973	< 0.01	< 0.02	----
MW-14	3/28/2022	<0.1	0.00533	<0.02	1.46	<0.0001	<0.04	<0.04	<0.02	85	<0.12	<0.0002	0.32	23	<0.02	<0.0002	<0.016	7.1	0.0098	1260	<0.02	<0.1	----
MW-14	5/17/2022	<0.1	0.00382	<0.02	1.26	0.000066	<0.04	<0.04	<0.02	16	<0.12	<0.0001	0.40	4.75	<0.02	<0.0002	<0.016	4.6	0.0012	1390	<0.02	<0.04	----
MW-14	8/15/2022	<0.25	0.0059	<0.05	1.17	<0.00005	<0.1	0.00075	<0.05	17	<0.3	<0.0002	0.36	4.86	<0.05	<0.0002	<0.04	5.3	<0.0002	1450	<0.05	<0.1	----
MW-14	11/8/2022	<0.25	0.00448	<0.05	1.24	<0.0005	<0.1	0.00086	<0.05	18	0.36	<0.001	0.36	4.99	<0.05	<0.0002	<0.04	5.7	<0.001	1610	<0.05	<0.1	----
MW-14	3/6/2023	<0.25	0.00531	<0.05	1.32	<0.00025	<0.1	0.00066	<0.05	19	0.81	<0.0005	0.38	6.44	<0.05	<0.0002	<0.04	5.3	<0.0005	1740	<0.05	<0.1	----
MW-14	5/30/2023	0.053	0.00408	<0.01	1.21	<0.00025	<0.02	0.00062	<0.01	17	0.68	0.00084	0.50	5.47	0.04	<0.0002	<0.008	5.0	<0.0002	1770	<0.01	0.063	----
MW-14	8/8/2023	<0.05	0.00436	0.012	1.30	<0.0001	<0.1	0.00036	0.01	19	1.10	<0.0005	0.52	5.89	0.06	<0.0002	<0.008	6.2	<0.0005	1750	<0.01	<0.02	----
MW-14	11/14/2023	<0.05	0.00236	<0.01	1.23	<0.00025	<0.02	<0.00025	<0.01	16	0.53	<0.0005	0.56	5.39	0.03	<0.0002	<0.008	5.7	<0.0005	1590	<0.01	<0.02	----
MW-14	3/11/2024	<0.05	0.0036	<0.01	1.29	<0.00025	<0.02	<0.00025	<0.05	18	0.98	<0.0005	0.42	5.91	0.03	<0.0002	<0.008	5.4	<0.0005	1850	<0.01	0.093	----
MW-14	5/15/2024	<0.25	0.00435	<0.05	1.28	0.000178	<0.1	0.000192	<0.05	18	0.92	<0.0001	0.40	5.43	<0.05	<0.0002	<0.04	5.6	<0.0002	1900	<0.05	<0.1	----
MW-14	9/4/2024	<0.35	0.00303	<0.05	1.34	<0.00025	<0.1	0.000113	<0.05	18.6	0.977	<0.0005	0.45	6.35	<0.05	<0.0002	<0.04	4.7	<0.0005	1840	<0.05	<0.1	----
MW-14	11/18/2024	< 0.35	0.00269	< 0.05	1.23	< 0.00025	< 0.1	< 0.00025	< 0.05	16	0.699	< 0.0005	0.40	5.16	< 0.05	< 0.0002	< 0.04	5.3	<0.0005	1800	< 0.05	< 0.1	----
MW-14	3/3/2025	< 0.07	0.00252	< 0.01	1.17	< 0.00025	< 0.02	< 0.00025	< 0.01	14.3	0.63	< 0.0005	0.372	4.9	0.01	< 0.0002	< 0.008	4.8	< 0.0002	1680	< 0.05	< 0.02	----
MW-15	6/11/2024	DRY																					
MW-15	8/26/2024	DRY																					
MW-15	11/20/2024	DRY																					
MW-15	3/3/2025	DRY																					
MW-16	6/25/2024	DRY																					
MW-16	8/26/2024	DRY																					
MW-16	11/20/2024	NOT ENOUGH WATER TO OBTAIN SAMPLE																					
MW-16	3/3/2025	NOT ENOUGH WATER TO OBTAIN SAMPLE																					
MW-17	6/11/2024	DRY																					
MW-17	8/26/2024	DRY																					
MW-17	11/20/2024	DRY																					
MW-17	3/3/2025	DRY																					
MW-18	6/11/2024	<0.07	0.00153	0.011	0.51	<0.00005	<0.02	0.000771	<0.01	58	0.07	<0.0001	0.12	13.40	0.05	<0.0002	<0.008	3.4	0.00137	220	<0.01	<0.02	----
MW-18	8/26/2024	<0.07	0.00236	<0.01	0.636	<0.00005	<0.02	0.000582	<0.01	42	<0.06	<0.0001	0.12	10.30	0.05	<0.0002	<0.008	2.9	<0.0001	252	<0.01	<0.02	----
MW-18	11/20/2024	< 0.07	0.00448	< 0.01	0.724	< 0.00005	< 0.02	0.000208	< 0.01	30.1	0.108	< 0.0001	0.13	8.23	0.08	< 0.0002	< 0.008	2.7	< 0.0001	276	< 0.01	< 0.02	----
MW-18	3/3/2025	< 0.07	0.00353	< 0.01	0.646	< 0.00005	< 0.02	0.00059	< 0.01	58.4	0.22	< 0.0001	0.122	13.0	0.066	< 0.0002	< 0.008	2.91	< 0.0002	257	< 0.01	< 0.02	----
MW-19	6/10/2024	<0.07	<0.0002	<0.01	0.45	<0.00005	<0.02	0.000105	<0.01	12.7	<0.06	<0.0001	0.12	5.72	<0.01	<0.0002	<0.008	2.6	<0.002	491	<0.01	<0.02	----
MW-19	8/27/2024	<0.07	<0.0002	<0.01	0.421	<0.00005	<0.02	0.000062	<0.01	10.9	<0.06	<0.0001	0.11	5.64	<0.01	<0.0002	<0.008	2.4	0.00209	456	<0.01	<0.02	----
MW-19	11/20/2024	< 0.07	< 0.0002	< 0.01	0.435	< 0.00005	< 0.02	< 0.00005	< 0.01	10.5	< 0.06	< 0.0001	0.12	5.23	< 0.01	< 0.0002	< 0.008	2.5	< 0.0005	469	< 0.01	< 0.02	----
MW-19	2/17/2025	< 0.07	< 0.0002	0.01	0.432	< 0.00005	< 0.02	0.000058	< 0.01	10.2	< 0.06	< 0.0001	0.121	5.1	0.01	< 0.0002	< 0.008	2.5	< 0.0005	466	< 0.01	< 0.02	----
MW-20	6/10/2024	<0.14	0.00392	<0.02	0.78	<0.00005	<0.04	0.000329	<0.02	15.1	<0.12	<0.0001	0.17	4.06	<0.02	<0.0002	<0.016	3.9	<0.0002	840	<0.02	<0.04	----
MW-20	8/27/2024	<0.14	0.00319	<0.02	0.763	<0.0001	<0.04	0.000176	<0.02	10.1	<0.12	<0.0002	0.18	3.69	0.02	<0.0002	<0.016	3.8	<0.0002	823	<0.02	<0.04	----
MW-20	11/20/2024	< 0.14	0.00335	< 0.02	0.796	< 0.00005	< 0.04	0.000123	< 0.02	9.3	< 0.12	< 0.0001	0.19	3.44	0.02	< 0.0002	< 0.016	3.7	< 0.0005	850	< 0.02	< 0.04	----
MW-20	2/17/2025	< 0.14	0.00338	0.02	0.83	< 0.00005	< 0.04	0.000131	< 0.02	8.3	< 0.12	< 0.0001	0.197	3.5	0.05	< 0.0002	< 0.016	3.5	< 0.002	847	< 0.02	< 0.04	----
MW-21	6/10/2024	<0.14	<0.0002	<0.02	0.68	<0.00005	<0.04	0.000133	<0.02	12.2	<0.12	<0.0001	0.26	9.03	<0.02	<0.0002	<0.016	2.9	<0.0002	910	<0.02	<0.04	----
MW-21	9/4/2024	<0.14	<0.0002	<0.02	0.636	<0.00005	<0.04	0.000101	<0.02	8.87	<0.12	<0.0001	0.24	6.10	<0.02	<0.0002	<0.016	2.1	<0.0002	857	<0.02	<0.04	----
MW-21	11/18/2024	< 0.14	< 0.0002	< 0.02	0.612	< 0.00005	< 0.04	0.000108	< 0.02	7.85	< 0.12	< 0.0001	0.23	5.29	< 0.02	< 0.0002	< 0.016	2.5	< 0.0002	834	< 0.02	< 0.04	----
MW-21	2/24/2025	< 0.07	< 0.0002	< 0.01	0.669	< 0.00005	< 0.02	0.00011	< 0.01	9.1	< 0.06	< 0.0001	0.240	6.3	< 0.01	< 0.0002	< 0.008	2.7	< 0.0002	879	< 0.01	< 0.02	----
MW-22	6/25/2024	<0.07	0.00751	<0.01	0.29	<0.00005	<0.02	0.00011	<0.01	4.6	<0.06	<0.0001	0.06	0.82	0.03	<0.0002	<0.008	0.8	0.00119	286	<0.01	0.125	----
MW-22	9/4/2024	<0.07	0.00484	<0.01	0.386	<0.00005	<0.02	0.000143	0.016	4.04	<0.06	<0.0001	0.09	0.98	0.01	<0.0002	<0.008	1.4	<0.0001	475	<0.01	<0.02	----
MW-22	11/18/2024	NOT ENOUGH WATER TO OBTAIN SAMPLE																					
MW-22	2/24/2025	NOT ENOUGH WATER TO OBTAIN SAMPLE																					
MW-23	6/10/2024	<0.07	0.00146	<0.01	0.11	<0.00005	<0.02	0.000433	<0.01	21.2	<0.06	<0.0001	0.05	6.89	0.02	<0.0002	<0.008	3.3	0.0112	165	<0.01	<0.02	----
MW-23	9/4/2024	<0.07	0.00149	<0.01	0.165	<0.00005	<0.02	0.000487	<0.01	21.7	0.066	<0.0001	0.08	7.34	0.01	<0.0002	<0.008	3.1	0.00935	277	<0.01	<0.02	----
MW-23	11/18/2024	< 0.07	0.00126	< 0.01	0.24	< 0.00005	< 0.02	0.000374	< 0.01	20.3	0.388	< 0.0001	0.11	8.41	0.02	< 0.0002	< 0.008	3.9	0.00139	395	< 0.01	< 0.02	----
MW-23	2/24/2025	< 0.07	0.00084	< 0.01	0.365	< 0.00005	< 0.02	0.00103	< 0.01	29.2	0.67	< 0.0001	0.145	13.4	0.03	< 0.0002	< 0.008	4.7	0.0151	530	< 0.01	< 0.02	----
MW-24	6/10/2024	<0.07	0.00651	<0.01	0.28	<0.00005	<0.02	0.000067	<0.01	4.57	<0.06	<0.0001	0.03	1.40	<0.01	<0.0002	<0.008	1.3	0.00284	181	<0.01	<0.02	----
MW-24	9/4/2024	well not recovered, sample not collected																					
MW-24	11/18/2024	NOT ENOUGH WATER TO OBTAIN SAMPLE																					
MW-24	2/24/2025																						
Field QA/QC Samples																							
MW-6	5/15/2024	<0.25	0.0013	<0.05	0.261	0.000133	<0.1	0.0303	<0.05	400	0.69	<0.0001	0.384	386	**0.44**	<0.0002	0.07	10.3	0.00017	589	<0.05	<0.1	----
MW-6	8/26/2024	<0.35	0.00155	<0.05	0.256	<0.00025	<0.1	0.0328	<0.05	383	0.9	<0.0005	0.38	363.00	**0.44**	<0.0002	0.046	9.8	<0.0005	589	<0.05	<0.1	----
MW-7	3/9/2020	<0.3	<0.0002	<0.05	0.10	0.0001	<0.05	<0.05	<0.05	----	<0.2	<0.0001	0.60	----	<0.05	<0.0002	<0.04	----	**0.0704**	----	<0.03	<0.05	----
MW-7	9/16/2020	0.11	<0.0002	<0.01	0.13	0.00007	0.01	<0.01	<0.01	----	0.12	0.0002	0.43	----	0.01	<0.0002	0.010	----	**0.0654**	----	<0.01	<0.02	----
MW-7	2/22/2021	<0.05	<0.001	<0.01	0.17	<0.00025	<0.01	<0.01	<0.01	----	<0.06	<0.0005	0.62	----	0.02	<0.0002	0.020	----	**0.0329**	----	<0.01	<0.02	----
MW-7	5/19/2021	<0.05	<0.0002	<0.01	0.14	0.000068	<0.02	<0.02	<0.01	457	<0.06	<0.0001	0.47	528	<0.01	<0.0002	0.012	13.9	**0.0398**	390	<0.01	<0.02	----
MW-7	8/31/2021	<0.05	<0.001	<0.01	0.31	<0.00025	<0.02	<0.02	<0.01	390	<0.06	<0.0005	0.52	396	0.07	<0.0002	0.017	10.9	0.0109	661	<0.01	<0.02	----
MW-7	3/22/2022	<0.25	<0.001	<0.05	0.35	<0.00025	<0.1	<0.1	<0.05	383	<0.3	<0.0005	0.52	431	<0.05	<0.0002	<0.04	10.5	0.0119	642	<0.05	<0.1	----
MW-7	5/10/2022	<0.25	<0.001	<0.05	0.39	<0.00025	<0.1	0.0022	<0.05	373	<0.3	<0.0005	0.56	389	0.10	<0.0002	<0.04	10.3	0.0061	675	<0.05	<0.1	----
MW-7	3/6/2023	<0.05	<0.0004	<0.01	0.29	<0.0001	<0.1	0.0039	<0.01	388	0.09	<0.0002	0.54	443	0.07	<0.0002	0.026	11.7	0.0056	677	<0.01	<0.02	----
MW-7	3/11/2024	<0.05	<0.0001	<0.01	0.14	<0.00025	<0.2	0.00193	<0.02	446	<0.06	<0.0005	0.329	382	<0.01	<0.0002	0.0131	12	**0.0294**	354	<0.01	0.085	----
MW-8	11/23/2020	<0.25	0.00234	<0.05	0.83	<0.00025	<0.05	<0.05	<0.05	----	<0.3	<0.0005	0.34	----	**0.25**	<0.0002	<0.04	----	<0.0005	----	<0.05	<0.1	----
MW-8	11/18/2021	<0.05	0.00084	<0.01	0.81	<0.0001	<0.04	<0.02	<0.01	104	<0.06	<0.0002	0.38	43	**0.27**	<0.0002	<0.008	6.3	<0.0002	1150	<0.02	<0.02	----
MW-8	8/15/2022	<0.1	0.00788	<0.02	0.80	<0.00005	<0.04	<0.04	<0.02	68	0.83	<0.0001	0.36	27	**0.24**	<0.0002	<0.016	5.4	<0.0002	1100	<0.02	<0.04	----
MW-8	11/7/2022	<0.1	0.00533	<0.02	0.87	<0.0001	<0.04	0.00052	<0.02	70	0.86	<0.0002	0.37	28	**0.25**	<0.0002	<0.016	5.7	<0.0005	1160	<0.02	<0.04	----
MW-8	8/8/2023	<0.05	0.00096	0.012	0.90	<0.0001	<0.02	0.0003	0.01	66	0.87	<0.0002	0.45	27	**0.24**	<0.0002	<0.008	6.3	<0.0002	1160	<0.01	<0.02	----
MW-8	2/17/2025	< 0.07	0.00026	0.01	0.426	0.000131	< 0.1	0.00202	< 0.01	337.0	0.85	< 0.0001	0.518	346.0	0.113	< 0.0002	0.0084	9.0	< 0.0005	753	< 0.01	< 0.02	----
MW-11	5/31/2023	<0.05	0.00022	<0.01	0.48	<0.00005	<0.02	0.0001	<0.01	46	<0.06	<0.0001	0.17	29	<0.01	<0.0002	<0.008	3.3	0.0019	549	<0.01	<0.02	----
MW-12	11/15/2023	<0.05	0.00293	<0.01	0.93	<0.00025	<0.02	0.0008	<0.01	27	0.10	<0.0005	0.21	10.10	0.09	<0.0002	<0.008	4.5	<0.0005	973	<0.01	<0.02	----
MW-21	6/10/2024	<0.14	<0.0002	<0.02	0.68	<0.00005	<0.04	0.000139	<0.02	12.1	<0.12	<0.0001	0.25	8.43	<0.02	<0.0002	<0.016	2.8	<0.0002	920	<0.02	<0.04	----
MW-21	9/4/2024	<0.14	<0.0002	<0.02	0.637	<0.00005	<0.04	0.000103	<0.02	8.71	<0.12	<0.0001	0.24	6.06	<0.02	<0.0002	<0.016	2.2	<0.0002	857	<0.02	<0.04	----
MW-23	11/18/2024	< 0.07	0.00122	< 0.01	0.238	< 0.00005	< 0.02	0.000372	< 0.01	20.4	0.395	< 0.0001	0.10	8.45	0.02	< 0.0002	< 0.008	3.8	< 0.0001	389	< 0.01	< 0.02	----
FIELD BLANK	12/2/2024	< 0.07	< 0.0002	< 0.01	**< 0.03**	< 0.00005	< 0.02	< 0.00005	< 0.01	0.13	< 0.06	< 0.0001	< 0.008	< 0.2	< 0.01	< 0.0002	< 0.008	< 0.5	< 0.0001	< 0.2	< 0.01	< 0.02	----
FIELD BLANK	3/3/2025	< 0.07	< 0.0002	< 0.01	< 0.03	< 0.00005	< 0.02	0.0002	< 0.01	< 0.1	< 0.06	< 0.0001	< 0.008	< 0.2	< 0.01	< 0.0002	< 0.008	< 0.5	< 0.0001	0.43	< 0.01	< 0.02	----
CDPHE Regulation 41 Table 3 Groundwater Quality Reference Standards (Agricultural Use)[1]		*5.00*	*0.1000*	*0.10*	*5.00*	*0.01000*	*0.10*	*0.05000*	*0.2*	----	*5.00*	*0.1000*	*2.50*	----	*0.20*	*0.0100*	*0.200*	----	*0.0200*	----	*0.10*	*2.00*	----

Notes:
- Concentration in bold indicate exceedance of the CDPHE Groundwater Quality Reference Standard for Agricultural Use as applicable to the facility.
- Underlined values exceeded the method hold time for analysis.
- The applicable facility standards established for boron (5.0 mg/L) and total dissolved solids (<10,000) are different than the CDPHE agricultural use standards; 0.75 mg/L and 1.5 x background, respectively.
- MW-5 has been dry since installation and initial monitoring on 7/14/2008
- 2020 Q2 monitoring not conducted due to COVID-19 restrictions.

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INORGANIC DATA QUALITY REVIEW REPORT
METALS BY ICPMS, ICP, CVAA, WET CHEMISTRY AND SPECIAL METHODS

SDG	L93074, L93173, L93296
PROJECT	GCC Rio Grande – First Quarter 2025, Resource Hydrogeologic Services and GCC, Pueblo CO
LABORATORY	ACZ Laboratories, Steamboat Springs, CO
SAMPLE MATRIX	Water SAMPLING DATE: 2/17, 2/24, 3/3/2025
ANALYSES REQUESTED	EPA 200.7 (metals by ICP, dissolved), EPA 200.8 (metals by ICPMS, dissolved), EPA 245.1 (mercury, dissolved), SM4500F-C (Fluoride), M353.2 (nitrate + nitrite as nitrogen, nitrite as nitrogen, nitrate as nitrogen); SM2540C (total dissolved solids); D516-02/-07/-11 -Sulfate by turbidimetry; SM4500Cl-E (Chloride)
SAMPLE NUMBER	MW-10, MW-11, MW-12, MW-13, MW-14, MW-18, MW-19, MW-20, MW-21, MW-23, MW-2B, MW-3B, MW-6, MW-7, MW-8, MW-9

DATA REVIEWER: John Huntington

QA REVIEWER: Diane Short & Associates, Inc. INITIALS/DATE: ___DLS__4/23/2025_

Telephone Logs included Yes____ No __X_
Contractual Violations Yes____ No __X_

The Contract Laboratory Program National Functional Guidelines for Inorganic Data Review 2016 (NFG) and the requested EPA Methods, Methods of Chemical Analysis of Water and Wastes (MCAWW) and Standard Methods (SM, current updates) have been referenced by the reviewer to perform this data validation review. The review includes evaluation of calibration, holding times and Quality Control (QC) for all samples; and 10% review of transcription and calculation algorithms from the raw data. Determining the exact analytical sequence was performed to verify that the frequencies of QC sample analyses were met, where applicable, on 10% of the data. General comments regarding the data/analytical quality are part of the review when raw data are submitted. The reports use Diane Short & Associates (DSA) validation qualifiers in the text and tables that include the compilation of the reasons for qualification and the associated values, as defined in each section for QC outliers. The United States Environmental Protection Agency (EPA) qualifiers have been provided. The DSA qualifiers, EPA qualifiers, and validation codes are included in the Electronic Data Deliverable (EDD). Note: those items in this report which have an asterisk (*) are specific to inductively coupled plasma-mass spectrometry (ICP-MS) and may include inductively coupled plasma-atomic emission spectroscopy (ICP-AES) as applicable.

I. DELIVERABLES

All deliverables were present as specified in the Statement of Work (SOW), SW-846, or in the project contract. This includes the Case Narrative.

Yes X No _____

Data were submitted for EPA 200.7 (16 metals by ICP, dissolved), EPA 200.8 (4 metals by ICPMS, dissolved), EPA 245.1 (mercury, dissolved), SM4500F-C (Fluoride), M353.2 (nitrate + nitrite as nitrogen, nitrite as nitrogen, nitrate as nitrogen); SM2540C (total dissolved solids); D516-02/-07/-11 -Sulfate by turbidimetry; SM4500Cl-E (Chloride). Note that for these SDGs, pH was not requested.

The data were validated at EPA Level III (EPA Stage 2B) with a minimum of 10% validated as EPA raw data review).

The laboratory has reported detections to the MDL and has flagged results between the MDL and the PQL with a "B". This is noted because many laboratories use "J" instead of "B" for this purpose, so the meaning of this flag needs to be kept in mind when reviewing the data. The definition of lab flags is provided in the report in the Inorganic Reference section.

II. ANALYTICAL REPORT FORMS

A. The Analytical Report or Data Sheets are present and complete for all requested analyses.

Yes X No _____

B. Holding Times

1. The contract holding times were met for all analyses (time of sample receipt to date of analysis).

Yes X No _____ N/A _____

Data are qualified from date of collection to analysis, as presented in the next section.

2. The method holding times were met for all analyses (time of sample collection to date of analysis per the holding times in the project QAPP).

Yes _____ No X

The method holding times were met for all analyses, with the following clarifications and exceptions. Results reported by the lab are qualified as JH#, where # is the number of days since sampling. An outlier that is greater than 4x the hold time is rejected. Qualified results not rejected. should be considered as estimates due to time and temperature changes in the samples. If the total nitrate/nitrite result is acceptable for project purposes, the qualifier would be removed as that result would be within the 28 day limit.

In first-quarter SDG L93074 several samples were out of holding time when analyzed for Nitrate or Nitrite. One sample was out of hold for TDS (filterable residue). The samples were received just at the expiration of holding times for these analyses, and so the laboratory could not analyze within hold. Per the COC, the client authorized analysis of the samples outside of hold times.

In first-quarter SDG L93074, one sample (MW-2B) for TDS required reanalysis at a dilution to meet method specifications. That reanalysis was conducted out of hold, and so the results are qualified.

Qualifiers added are shown below and in the qualified EDD.

CLIENTID	LABID	ANALYTE	RESULT	QUAL	UNITS	MDL	PQL	DSA	EPA
MW-20	L93074-01	Nitrate as N		UH	mg/L	0.02	0.1	UJH2.6	UJ
MW-20	L93074-01	Nitrate/Nitrite as N		UH	mg/L	0.02	0.1	UJH2.6	UJ

MW-20	L93074-01	Nitrite as N		UH	mg/L	0.01	0.05	UJH2.6	UJ
MW-19	L93074-02	Nitrate as N		UH	mg/L	0.02	0.1	UJH2.6	UJ
MW-19	L93074-02	Nitrate/Nitrite as N		UH	mg/L	0.02	0.1	UJH2.6	UJ
MW-19	L93074-02	Nitrite as N		UH	mg/L	0.01	0.05	UJH2.6	UJ
MW-12	L93074-03	Nitrate as N		UH	mg/L	0.02	0.1	UJH2.5	UJ
MW-12	L93074-03	Nitrate/Nitrite as N		UH	mg/L	0.02	0.1	UJH2.5	UJ
MW-12	L93074-03	Nitrite as N		UH	mg/L	0.01	0.05	UJH2.5	UJ
MW-11	L93074-04	Nitrate as N		UH	mg/L	0.02	0.1	UJH2.5	UJ
MW-11	L93074-04	Nitrate/Nitrite as N		UH	mg/L	0.02	0.1	UJH2.5	UJ
MW-11	L93074-04	Nitrite as N		UH	mg/L	0.01	0.05	UJH2.5	UJ
MW-8	L93074-05	Nitrate as N	0.041	BH	mg/L	0.02	0.1	JH2.5	J
MW-8	L93074-05	Nitrate/Nitrite as N	0.041	BH	mg/L	0.02	0.1	JH2.5	J
MW-8	L93074-05	Nitrite as N		UH	mg/L	0.01	0.05	UJH2.5	UJ
MW-7	L93074-06	Nitrate as N		UH	mg/L	0.02	0.1	UJH2.5	UJ
MW-2B	L93074-07	Nitrate as N		UH	mg/L	0.02	0.1	UJH2.5	UJ
MW-7	L93074-06	Nitrate/Nitrite as N		UH	mg/L	0.02	0.1	UJH2.5	UJ
MW-2B	L93074-07	Nitrate/Nitrite as N		UH	mg/L	0.02	0.1	UJH2.5	UJ
MW-7	L93074-06	Nitrite as N	0.015	BH	mg/L	0.01	0.05	JH2.5	J
MW-2B	L93074-07	Nitrite as N		UH	mg/L	0.01	0.05	UJH2.5	UJ
MW-2B	L93074-07	Residue, Filterable (TDS) @180C	5560	H	mg/L	40	80	JH4	J
MW-6	L93074-08	Nitrate as N		UH	mg/L	0.02	0.1	UJH2.4	UJ
MW-6	L93074-08	Nitrate/Nitrite as N		UH	mg/L	0.02	0.1	UJH2.4	UJ
MW-6	L93074-08	Nitrite as N		UH	mg/L	0.01	0.05	UJH2.4	UJ

3. Samples were properly preserved to pH < 2 for metals, and applicable preservative was used for other methods.

Yes X No _____ N/A _____

C. Chains of Custody (COC)

Chains of Custody (COC) were reviewed and all fields were complete, signatures were present, and cross outs were clean and initialed.

Yes X No _____

All sample analyses were sent under a COC to ACZ Labs, Steamboat Springs, CO. Temperatures on receipt were all in control.

III. CALIBRATION AND STANDARDIZATION

1. Initial calibration, mass calibration, and resolution checks for both low and high mass isotopes were within 0.1 atomic mass unit (amu) of the true value. (*)

Yes X No _____
All requisite instrument tuning or performance measures were done according to the method requirements. (*).

US EPA Tune Check Sample reports were provided in the raw data and reports indicated the tunes passed in all cases.

2. Mass calibration and resolution checks for both low and high mass isotopes produced a peak width of approximately 0.6 to 0.9 amu at 10% peak height. (*)

Yes X No _____

3. Instrument Stability

A tuning solution was analyzed a minimum of four times, and the relative standard deviation (RSD) of absolute signals for all analytes was less than 5%. (*)

Yes X No _____

B. Instrument Performance and Calibration Standards

1. The Initial Calibration Verification (ICV) standard was within the required control limits of ± 10% of the established value for all analytes. (80 – 120% for mercury, 85 – 115% for Se species)

Yes X No _____

2. The Continuing Calibration Verification (CCV) standards were analyzed at the required frequency following every 10 analyses.

Yes X No _____
Sequencing was performed to verify that the frequencies were met for client samples and for proper application of the qualifiers.

3. The CCV standard percent recovery results were within the required control limits of 90 – 110% (80 – 120 % for mercury, 75 – 125% for Se species)

Yes X No _____
All CCVs were within criteria, with the exception of several for fluoride. Review of the data indicates that these are not associated with reported samples and no qualifiers are required.

4. The correlation coefficients met the ≥ 0.995 criterion, as applicable to the method for mercury.

Yes X No _____

IV. CONTRACT REQUIRED DETECTION LIMIT (CRDL) STANDARDS

1. The 2x CRDL standards were analyzed for metals as required in the QAPP.

Yes X No _____ N/A _____
A CRDL check is not required for Method 200.8. However, the laboratory initial calibration run each day has a low-level standard that is very near the reporting limit. This meets method requirements. The 200.7 method does include an RL Check standard that meets criteria.

2. The 2x CRDL standards were within the required control limits of 70 – 130% (ICP: 50 – 150% for Lead, Antimony, and Thallium; ICPMS: 50 – 150% for Cobalt, Manganese, and Zinc).

Yes X No _____
All CRDLs were within criteria.

V. INTERFERENCES

Isobaric Elemental and Molecular Interferences (* for ICP-MS)
The isotope selected was free of isobaric elemental and elemental interferences as measured by the Interference Check Sample Solutions A and AB (ICSA/ICSAB) for ICP-AES and ICP-MS.

Yes X No _____
Data are only qualified if the interfering analyte is present in the sample and at levels near the high end of the linear range of the instrument. For Method 200.7, the recovery of the spectral interference check standard (SIC) is reported in the QC as a recovery for each element analyzed. All are in control. Method 200.8 does not specify the use of interference check standards. The laboratory has used collision deactivation and accepted reagent gas technology to minimize interference for ICP/MS.

VI. LABORATORY REAGENT BLANK (LRB) OR PREPARATION BLANK

A. Blanks were prepared and analyzed at the required frequency of at least one per each set of samples.

Yes X No _____
The ICB is used as the method blank for metals. This is acceptable since no digestion was performed on the samples prior to analysis.

B. All analytes in the blank were less than the MDL.

Yes _____ No X
Analytes reported as contaminants in the Preparation Blank are qualified with the DSA qualifier "UMB#," where # is the value of the associated blank. Only detected data less than 10x the blank for metals or 5x the blank for other analyses are qualified. Such data are fully usable as non-detected values at the reported concentration or elevated reporting limit.

In the first quarter 2025 data, the alkalinity method blank has low detections in all SDGS. In the field blank MW-3B, alkalinity method blanks show no detected alkalinity. Alkalinity results are all > 10x the method blank in samples and no qualifiers are required.

No other analytes require qualification for preparation blank contamination.

C. The source of contamination was corrected, and the samples were reanalyzed.

Yes _____ No _____ N/A X

VII. CALIBRATION BLANKS

The highest blank associated with any particular analyte is used for the qualification process and is the value entered after the DSA "B" blank-qualifier descriptor.

A. Calibration Blanks were prepared and analyzed at the required frequency after each set of 10 samples as required by the method.

Yes X No _____
Sequencing was required to verify association with client samples.

B. The Calibration Blank results were within the required control limits or did not require data qualification.

Yes _____ No X N/A _____
Analytes reported as contaminants in the Calibration Blanks are qualified with the DSA qualifier "UCB#," where

is the value of the blank. Such data are fully usable as non-detected values at the reported concentration or elevated reporting limit. Only detected data less than 10 × blank for metals and 5 × blank for other analyse are qualified.

There are CCB detections for selenium vanadium, lithium, beryllium, and arsenic. Qualifiers were required for beryllium and selenium as shown in the table below and in the qualified EDD.

CLIENTID	LABID	ANALYTE	RESULT	QUAL	UNITS	MDL	PQL	DSA	EPA
MW-20	L93074-01	Beryllium, dissolved	0.02	B	mg/L	0.02	0.1	UCB0.011	UB
MW-19	L93074-02	Beryllium, dissolved	0.01	B	mg/L	0.01	0.05	UCB0.011	UB
MW-12	L93074-03	Beryllium, dissolved	0.02	B	mg/L	0.02	0.1	UCB0.011	UB
MW-11	L93074-04	Beryllium, dissolved	0.02	B	mg/L	0.02	0.1	UCB0.011	UB
MW-8	L93074-05	Beryllium, dissolved	0.01	B	mg/L	0.01	0.05	UCB0.011	UB
MW-7	L93074-06	Beryllium, dissolved	0.01	B	mg/L	0.01	0.05	UCB0.011	UB
MW-2B	L93074-07	Beryllium, dissolved	0.01	B	mg/L	0.01	0.05	UCB0.011	UB
MW-6	L93074-08	Beryllium, dissolved	0.01	B	mg/L	0.01	0.05	UCB0.011	UB
MW-8	L93074-05	Selenium, dissolved	0.0012	B	mg/L	0.001	0.0025	UCB0.00017	UB

C. Field, decon rinse or other Field Blanks are contained and identified in the package.

Yes X No _____ N/A _____

MW-3B is a deionized water field blank collected at the MW-14 location.

The results for the field blank are used to evaluate associated samples (those taken on the same day) after qualification of the field blank for associated method blank contamination.

D. The reported results for the Field Blanks are less than the CRDL or less than the MDL, whichever is lower.

Yes _____ No X N/A _____

Detected levels of dissolved cobalt and sodium were reported in the field blank, both below the reporting limit. The calculated TDS value resulted in a reported value due to the sodium level in the field blank. However, the actual measured TDS is a non-detect and no qualifiers are required for TDS.

Several associated samples have detected levels that are <10x the field blank level of cobalt. These samples are qualified as shown in the table below. Sodium levels in all samples are much greater than 10x the field blank and no qualifiers are required for sodium.

CLIENTID	LABID	ANALYTE	RESULT	QUAL	UNITS	MDL	PQL	DSA	EPA
MW-13	L93296-02	Cobalt, dissolved	0.0003	B	mg/L	0.00025	0.00125	UFB0.0002	UB
MW-9	L93296-04	Cobalt, dissolved	0.0017		mg/L	0.00005	0.00025	UFB0.0002	UB

CLIENTID	LABID	ANALYTE	RESULT	QUAL	UNITS	MDL	PQL	DSA	EPA
MW-10	L93296-05	Cobalt, dissolved	0.0003		mg/L	0.00005	0.00025	UFB0.0002	UB
MW-18	L93296-06	Cobalt, dissolved	0.0006		mg/L	0.00005	0.00025	UFB0.0002	UB

VIII. INTERNAL STANDARD RESPONSES (*)

A. A minimum of three internal standards were present in all standards and blanks at identical levels.

Yes X No _____

B. The absolute response of each internal standard (IS) was within the required EPA control limits of 60 – 125%.

Yes X No _____
For the analytes reported.

C. Dilutions were performed as required by the method to minimize errors if the internal standard analyte is naturally present in a sample.

Yes _____ No _____ N/A X

D. If not, the appropriate test procedures were performed, and the required corrections made.

Yes _____ No _____ N/A X

IX. MATRIX SPIKES

A. Matrix Spike and Matrix Spike Duplicate (MS/MSD) samples were prepared and analyzed at one per every 20 or fewer samples for each matrix and each sampling event per day as required.

Yes X No _____
Matrix spikes, duplicates, and matrix spike duplicates were present. For wet chemistry, a matrix spike and a matrix duplicate are analyzed. The project manager will determine if the project frequency is met for these methods. Matrix spikes associated with this set of data are shown in the table below. It is recommended that the client collect Representative samples for each method and designate them to the laboratory to be used for the MS/MSDs. As these samples are collected quarterly, only 1 QC sample per method would be required per year.

Spiked Sample – L93173	**Methods**
MW-23	ASTM D516-07/-11/-16 (Sulfate)
Spiked Sample – L93296	
MW-14	EPA 200.7
MW-13	EPA 200.7 (Vanadium)
MW-3B (Field Blank, not usable for matrix spike)	EPA 245.1
MW-10	EPA 353.2 (Nitrate and nitrite)
Spiked Sample – L93074	
MW-2B	EPA 200.7
MW-7	EPA 200.8

MW-6	SM 4500-Cl E-2011 (Chloride)
MW-20	EPA 353.2 (Nitrate and nitrite)

B. The MS/MSD percent recoveries were within the required control limits of 75 – 125%.

Yes X No _____ N/A _____

When matrix spikes are present, associated data are qualified with the DSA qualifier JMS#, where # is the value of the %R for the associated MS or MSD. Data may be biased high or low proportional to the spike recovery. The laboratory 'flags' data as M1 whether they are > 4x spike or within the qualifying limits. The laboratory flags are not recommended for use in evaluating the data as MS/MSD recoveries are not used for qualification of data if the result in the parent sample is > 4x the spike. Non-detected data are not qualified for high spikes. Only those MS/MSDs with parent samples in these projects are considered.

For some methods, such as Method 300.0 and Method 353.2, the laboratory uses a recovery window of 90-110%. Results are only qualified if the recoveries are outside the window specified above.

C. A Post Digestion Spike was prepared and analyzed if required.

Yes _____ No _____ N/A X

Not required in this case.

D. The MS/MSD samples were client samples.

Yes X No _____

MS/MSD analyses were also performed on client samples from other SDGs but are not pertinent for qualification.

X. MATRIX DUPLICATE

A. Matrix Duplicate samples were prepared and analyzed per every 20 samples for each matrix.

Yes X No _____

Lab duplicates are present for Nitrate, nitrite, alkalinity, TDS, and sulfate. Some of these are associated with other SDGs and are not evaluated here. Matrix duplicates and MS/MSD RPDS are in control.

Parent Sample SDG – L93173	Methods
MW-23	SM 2320 B-2011 (Alkalinity)
Parent Sample SDG - L93296	
MW-14	SM 2320 B-2011 (Alkalinity)
MW-18	EPA 353.2 (Nitrate and nitrite)
Parent Sample SDG – L93074	
MW-12	SM 2320 B-2011 (Alkalinity)
MW-19	EPA 353.2 (Nitrate and nitrite)

B. The MS/MSD or MD relative percent difference (RPD) values were within the required control limit of ≤ 20 RPD for water samples or ≤ 35% RPD for soil samples. If either of the MD results is less than 5x RL, the RPD is not used. In that case the difference between the results is evaluated and the QC limit is the difference between the original and the duplicate results (± 1x RL for water samples or ± 2x RL for soil samples). If the parent sample result is greater than 4 x the spike concentration, the MS/MSD is not evaluated. Only detected results are qualified for MS/MSD RPD outliers. Only those MS/MSDs with parent samples in these projects are considered.

Yes X No _____

Data are qualified with the DSA qualifier JD#, where # is the value of the RPD for the associated MD or MS/MSD analyses, when there are outliers. In this case there are no qualifiers.

XI. LABORATORY CONTROL SAMPLE

A. Laboratory Control Samples (LCS) were prepared and analyzed per every 20 samples for each matrix.

Yes X No _____

B. The LCS recoveries were within the required control limits of 80 – 120% for metals and for wet chemistry analyses 85 – 115%.

Yes _____ No X
In Q1 SDG L93074, the LCS recovery for fluoride was high at 118%. This is elevated above the specified limits. The result could indicate a high laboratory bias for this set of data. Three associated samples are qualified as JL118, to indicate a potential slightly high bias.

CLIENTID	LABID	ANALYTE	RESULT	QUAL	UNITS	MDL	PQL	DSA	EPA
MW-7	L93074-06	Fluoride	0.57		mg/L	0.15	0.35	JL118	J+
MW-2B	L93074-07	Fluoride	0.58		mg/L	0.15	0.35	JL118	J+
MW-6	L93074-08	Fluoride	0.53		mg/L	0.15	0.35	JL118	J+

XII. FIELD QC

A. Field QC samples were identified.

Yes X No _____
Sample MW-2B is a blind duplicate of sample MW-7.

B. Field duplicates were within the guidance limit of < 30% RPD for water samples or < 50% RPD for soil samples. If values are less than 5x RL, the water limit is ± 1x RL or the soil limit is ± 2x RL.

Yes X No _____ N/A _____

XIII. SERIAL DILUTION

A. Serial Dilutions were analyzed for every 20 samples if the analyte concentrations were greater than 50x IDL.

Yes _____ No _____ N/A X
Analyte concentrations are too low to require serial dilutions.

B. The percent difference (% D) criteria of ± 10% were met.

Yes _____ No _____ N/A X
When outliers are present, data are qualified with the DSA qualifier JE#, where # is the %D. Data could be biased, usually high, due to non-linear matrix or chemical effects.

XIV. CALCULATIONS

A. Data calculations were checked when required, and significant figures were correctly reported.

Yes X No _____
Over 25% of the data were checked from the raw data to the EDD values for each method and each SDG.

B. Appropriate dilution factors were applied to the calculated sample concentrations.

Yes X No _____

C. Data were acceptable for the total versus dissolved and the cation/ anion balance.
Yes _X__ No ___NA_____
Total metals were not requested, so the total vs dissolved check cannot be performed. The cation-anion balance and calculated TDS are performed and are acceptable. These parameters are not evaluated for the field blank, since the levels of cations, anions, and TDS are too low to give meaningful comparisons.

XV. OVERALL ASSESSMENT OF THE CASE

Data were submitted for EPA 200.7 (16 metals by ICP, dissolved), EPA 200.8 (4 metals by ICPMS, dissolved), EPA 245.1 (mercury, dissolved), SM4500F-C (Fluoride), M353.2 (nitrate + nitrite as nitrogen, nitrite as nitrogen, nitrate as nitrogen); SM2540C (total dissolved solids); D516-02/-07/-11 -Sulfate by turbidimetry; SM4500Cl-E (Chloride). Note that for these SDGs, pH was not requested.

The data were validated at EPA Level III (EPA Stage 2B) with a minimum of 10% validated as EPA raw data review).

The laboratory has reported detections to the MDL and has flagged results between the MDL and the PQL with a "B". This is noted because many laboratories use "J" instead of "B" for this purpose, so the meaning of this flag needs to be kept in mind when reviewing the data. The definition of lab flags is provided in the report in the Inorganic Reference section.

Holding Times

The method holding times were met for all analyses, with the following clarifications and exceptions. Results reported by the lab are qualified as JH#, where # is the number of days since sampling. An outlier that is greater than 4x the hold time is rejected. Qualified results not rejected. should be considered as estimates due to time and temperature changes in the samples. If the total nitrate/nitrite result is acceptable for project purposes, the qualifier would be removed as that result would be within the 28 day limit.

In the first-quarter SDG L93074 several samples were out of holding time when analyzed for Nitrate or Nitrite. One sample was out of hold for TDS (filterable residue). The samples were received just at the expiration of holding times for these analyses, and so the laboratory could not analyze within hold. Per the COC, the client authorized analysis of the samples outside of hold times.

In the first-quarter SDG L93074, one sample (MW-2B) for TDS required reanalysis at a dilution to meet method specifications. That reanalysis was conducted out of hold, and so the results are qualified.

Qualifiers added are shown in the Hold Time section of this report and in the qualified EDD.

Method Blanks

The ICB is used as the method blank for metals. This is acceptable since no digestion was performed on the samples prior to analysis.

Analytes reported as contaminants in the Preparation Blank are qualified with the DSA qualifier "UMB#," where # is the value of the associated blank. Only detected data less than 10x the blank for metals or 5x the blank for other analyses are qualified. Such data are fully usable as non-detected values at the reported concentration or elevated reporting limit.

In the first quarter 2025 data, the alkalinity method blank has low detections in all SDGS. In the field blank MW-

3B, alkalinity method blanks show no detected alkalinity. Alkalinity results are all > 10x the method blank in samples and no qualifiers are required. No other analytes require qualification for preparation blank contamination.

Initial and Continuing Calibration Blanks

Analytes reported as contaminants in the Calibration Blanks are qualified with the DSA qualifier "UCB#," where # is the value of the blank. Such data are fully usable as non-detected values at the reported concentration or elevated reporting limit. Only detected data less than 10 × blank for metals and 5 × blank for other analyse are qualified.

There are CCB detections for selenium vanadium, lithium, beryllium, and arsenic. Qualifiers were required for beryllium and selenium as shown in the table in the Calibration Blank Section of this report and in the qualified EDD.

Field Blanks

Detected levels of dissolved cobalt and sodium were reported in the field blank, both below the reporting limit. The calculated TDS value resulted in a reported value due to the sodium level in the field blank. However, the actual measured TDS is a non-detect and no qualifiers are required for TDS.

Several associated samples have detected levels that are <10x the field blank level of cobalt. These samples are qualified as shown in the table in the Field Blank section of this report. Sodium levels in all samples are much greater than 10x the field blank and no qualifiers are required for sodium.

Laboratory Control Samples

In Q1 SDG L93074, the LCS recovery for fluoride was high at 118%. This is elevated above the specified limits. The result could indicate a high laboratory bias for this set of data. Three associated samples are qualified as JL118, to indicate a potential slightly high bias.

Matrix Spikes, Matrix Spike Duplicates, and Matrix Duplicates

Matrix spikes, duplicates, and matrix spike duplicates were present. For wet chemistry, a matrix spike and a matrix duplicate are analyzed. The project manager will determine if the project frequency is met for these methods.

Matrix duplicates and MS/MSD RPDS are in control.

Field QC

Sample MW-2B is a blind duplicate of sample MW-7 in this first quarter data set. The field duplicate results meet criteria.

Cation-Anion Balance and Calculated TDS

Total metals were not requested, so the total vs dissolved check cannot be performed. The cation-anion balance and calculated TDS are performed and are acceptable. These parameters are not evaluated for the field blank, since the levels of cations, anions, and TDS are too low to give meaningful comparisons.

TABLE OF QUALIFIED DATA

CLIENTID	LABID	ANALYTE	RESULT	Lab Flag	UNITS	MDL	PQL	DSA	EPA
MW-20	L93074-01	Beryllium, dissolved	0.02	B	mg/L	0.02	0.1	UCB0.011	UB
MW-19	L93074-02	Beryllium, dissolved	0.01	B	mg/L	0.01	0.05	UCB0.011	UB

CLIENTID	LABID	ANALYTE	RESULT	Lab Flag	UNITS	MDL	PQL	DSA	EPA
MW-12	L93074-03	Beryllium, dissolved	0.02	B	mg/L	0.02	0.1	UCB0.011	UB
MW-11	L93074-04	Beryllium, dissolved	0.02	B	mg/L	0.02	0.1	UCB0.011	UB
MW-8	L93074-05	Beryllium, dissolved	0.01	B	mg/L	0.01	0.05	UCB0.011	UB
MW-7	L93074-06	Beryllium, dissolved	0.01	B	mg/L	0.01	0.05	UCB0.011	UB
MW-2B	L93074-07	Beryllium, dissolved	0.01	B	mg/L	0.01	0.05	UCB0.011	UB
MW-6	L93074-08	Beryllium, dissolved	0.01	B	mg/L	0.01	0.05	UCB0.011	UB
MW-13	L93296-02	Cobalt, dissolved	0.0003	B	mg/L	0.00025	0.00125	UFB0.0002	UB
MW-9	L93296-04	Cobalt, dissolved	0.0017		mg/L	0.00005	0.00025	UFB0.0002	UB
MW-10	L93296-05	Cobalt, dissolved	0.0003		mg/L	0.00005	0.00025	UFB0.0002	UB
MW-18	L93296-06	Cobalt, dissolved	0.0006		mg/L	0.00005	0.00025	UFB0.0002	UB
MW-7	L93074-06	Fluoride	0.57		mg/L	0.15	0.35	JL118	J+
MW-2B	L93074-07	Fluoride	0.58		mg/L	0.15	0.35	JL118	J+
MW-6	L93074-08	Fluoride	0.53		mg/L	0.15	0.35	JL118	J+
MW-20	L93074-01	Nitrate as N		UH	mg/L	0.02	0.1	UJH2.6	UJ
MW-19	L93074-02	Nitrate as N		UH	mg/L	0.02	0.1	UJH2.6	UJ
MW-12	L93074-03	Nitrate as N		UH	mg/L	0.02	0.1	UJH2.5	UJ
MW-11	L93074-04	Nitrate as N		UH	mg/L	0.02	0.1	UJH2.5	UJ
MW-8	L93074-05	Nitrate as N	0.041	BH	mg/L	0.02	0.1	JH2.5	J
MW-7	L93074-06	Nitrate as N		UH	mg/L	0.02	0.1	UJH2.5	UJ
MW-2B	L93074-07	Nitrate as N		UH	mg/L	0.02	0.1	UJH2.5	UJ
MW-6	L93074-08	Nitrate as N		UH	mg/L	0.02	0.1	UJH2.4	UJ
MW-20	L93074-01	Nitrate/Nitrite as N		UH	mg/L	0.02	0.1	UJH2.6	UJ
MW-19	L93074-02	Nitrate/Nitrite as N		UH	mg/L	0.02	0.1	UJH2.6	UJ
MW-12	L93074-03	Nitrate/Nitrite as N		UH	mg/L	0.02	0.1	UJH2.5	UJ
MW-11	L93074-04	Nitrate/Nitrite as N		UH	mg/L	0.02	0.1	UJH2.5	UJ
MW-8	L93074-05	Nitrate/Nitrite as N	0.041	BH	mg/L	0.02	0.1	JH2.5	J
MW-7	L93074-06	Nitrate/Nitrite as N		UH	mg/L	0.02	0.1	UJH2.5	UJ
MW-2B	L93074-07	Nitrate/Nitrite as N		UH	mg/L	0.02	0.1	UJH2.5	UJ
MW-6	L93074-08	Nitrate/Nitrite as N		UH	mg/L	0.02	0.1	UJH2.4	UJ
MW-20	L93074-01	Nitrite as N		UH	mg/L	0.01	0.05	UJH2.6	UJ
MW-19	L93074-02	Nitrite as N		UH	mg/L	0.01	0.05	UJH2.6	UJ
MW-12	L93074-03	Nitrite as N		UH	mg/L	0.01	0.05	UJH2.5	UJ
MW-11	L93074-04	Nitrite as N		UH	mg/L	0.01	0.05	UJH2.5	UJ
MW-8	L93074-05	Nitrite as N		UH	mg/L	0.01	0.05	UJH2.5	UJ
MW-7	L93074-06	Nitrite as N	0.015	BH	mg/L	0.01	0.05	JH2.5	J
MW-2B	L93074-07	Nitrite as N		UH	mg/L	0.01	0.05	UJH2.5	UJ
MW-6	L93074-08	Nitrite as N		UH	mg/L	0.01	0.05	UJH2.4	UJ
MW-2B	L93074-07	Residue, Filterable (TDS) @180C	5560	H	mg/L	40	80	JH4	J
MW-8	L93074-05	Selenium, dissolved	0.0012	B	mg/L	0.001	0.0025	UCB0.00017	UB

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400315110	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 8, 2025 9:00:24 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-6
Water present to measure/sample?	Yes
Is the water present within 0.25 feet of the well TD?	No

Wellhead Stick-Up from Ground Level Reference Point to Depth to Water Level Reference Point (ft)	2.52
Static Depth to Water (ft)	31.88
Well Total Depth (ft below top of casing)	56.4
Depth to Water below ground Surface (ft)	29.36
Well Diameter (In)	2

Misc

Site Photo

Water Quality Meter

Water Quality Meter Make/Model/SN	In-Situ AquaTroll 400 SN 896017
Calibration Date/Time:	Feb 14, 2025 4:09:00 PM MST
Calibration Parameters	Specific Conductivity (SC) pH Oxygen Reduction Potential (ORP) Dissolved Oxygen (DO or RDO)
AquaTroll calibration log generated?	Yes

SAMPLING DETAILS

Weather	Partly Sunny
Air Temperature (°F)	43
Date	Feb 17, 2025
Time	3:11:00 PM MDT
Insufficient water for parameters/sampling	No

Micro-Purge Stabilization Parameters #1

Purge Start Time	Feb 17, 2025 3:01:00 PM MST
Date/Time #1 (1st Parameter time after purging has already started)	Feb 17, 2025 3:05:00 PM MST
Flow Rate (gpm) #1	0.06
Calculated Purge Volume (gal) #1	0.24
Sample Temperature (°C)	14.13

Specific Conductivity (µS/cm)	4774.15
pH (S.U.)	6.98
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	2.16
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #2

Date/Time #2	Feb 17, 2025 3:08:00 PM MST
Flow Rate (gpm) #2	0.06
Sample Temperature (°C)	13.87
Specific Conductivity (µS/cm)	4808.11
pH (S.U.)	6.96
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	1.96
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #3 (FINAL)

Date/Time #3	Feb 17, 2025 3:11:00 PM MST
Flow Rate (gpm) #3	0.06
Sample Temperature (°C)	13.92
Specific Conductivity (µS/cm)	4772.94
pH (S.U.)	6.96
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	1.68

Purge and Sampling

Water level measured at sample time?	Depth to Water (ft TOC) measured at Sample Time
Depth to Water (ft TOC)	31.90
Was flow rate measured?	Flow Rate was measured.
Static Flow Rate (gpm)	0.06
Total Purged (gal)	0.54
Geographic Sample Location	49GR+9G Pueblo, CO, USA latitude: 38.12585907020956 altitude: 1534.5978 longitude: -104.6086624171266 [viewMap]

Sample(s) collected for laboratory analysis?	Yes

Sampler

Sampler Name	Meghan Way - GCC Pueblo Environmental Engineer
Sampler's Signature	

SAMPLE(S) COLLECTED FOR LABORATORY ANALYSIS

Sample Submittal Information

LAB SAMPLE 1 OF 1

Details

Method of Sample Collection	MW-6 – Dedicated Proactive Environmental SS Sample Champ XL 12-volt low-flow submersible pump
Lab Sample Name	MW-6
Sample Date/Time	Feb 17, 2025 3:11:00 PM MST
Lab Suite	GW-Compliance
Number of Bottles/Containers	3
Lab Sample Type	Normal

Sample Handling

SAMPLE HANDLING 1 OF 3

Bottle Details

ACZ Labs Bottle Sticker	None
Bottle Volume (mL)	500

Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	No
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, no filtration

SAMPLE HANDLING 2 OF 3

Bottle Details

ACZ Labs Bottle Sticker	White
Bottle Volume (mL)	250
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, field-filtered

SAMPLE HANDLING 3 OF 3

Bottle Details

ACZ Labs Bottle Sticker	Green PC
Bottle Volume (mL)	125
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Nitric Acid
Analysis	Metals (dissolved including ICPMS) - nitric preserved, field-filtered

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400315109	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 8, 2025 9:37:30 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-7
Water present to measure/sample?	Yes
Is the water present within 0.25 feet of the well TD?	No

Wellhead Stick-Up from Ground Level Reference Point to Depth to Water Level Reference Point (ft)	2.66
Static Depth to Water (ft)	31.56
Well Total Depth (ft below top of casing)	56.1
Depth to Water below ground Surface (ft)	28.90
Well Diameter (In)	2

Misc

Site Photo

Water Quality Meter

Water Quality Meter Make/Model/SN	In-Situ AquaTroll 400 SN 896017
Calibration Date/Time:	Feb 14, 2025 4:09:00 PM MST
Calibration Parameters	Specific Conductivity (SC) pH Oxygen Reduction Potential (ORP) Dissolved Oxygen (DO or RDO)
AquaTroll calibration log generated?	Yes

SAMPLING DETAILS

Weather	Partly Sunny
Air Temperature (°F)	41
Date	Feb 17, 2025
Time	2:42:00 PM MST
Insufficient water for parameters/sampling	No

Micro-Purge Stabilization Parameters #1

Purge Start Time	Feb 17, 2025 2:29:00 PM MST
Date/Time #1 (1st Parameter time after purging has already started)	Feb 17, 2025 2:36:00 PM MST
Flow Rate (gpm) #1	0.04
Calculated Purge Volume (gal) #1	0.28
Sample Temperature (°C)	13.99

Specific Conductivity (µS/cm)	5234.04
pH (S.U.)	6.96
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	3.03
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #2

Date/Time #2	Feb 17, 2025 2:39:00 PM MST
Flow Rate (gpm) #2	0.04
Sample Temperature (°C)	14.08
Specific Conductivity (µS/cm)	5229.93
pH (S.U.)	6.96
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	2.91
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #3 (FINAL)

Date/Time #3	Feb 17, 2025 2:42:00 PM MST
Flow Rate (gpm) #3	0.04
Sample Temperature (°C)	14.22
Specific Conductivity (µS/cm)	5221.24
pH (S.U.)	6.95
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	2.64

Purge and Sampling

Water level measured at sample time?	Depth to Water (ft TOC) measured at Sample Time
Depth to Water (ft TOC)	31.60
Was flow rate measured?	Flow Rate was measured.
Static Flow Rate (gpm)	0.04
Total Purged (gal)	0.50
Geographic Sample Location	49GR+9G Pueblo, CO, USA latitude: 38.12585907020956 altitude: 1534.5978 longitude: -104.60865699712772 [viewMap]

Sample(s) collected for laboratory analysis? Yes

Sampler

Sampler Name Meghan Way - GCC Pueblo Environmental Engineer

Sampler's Signature

SAMPLE(S) COLLECTED FOR LABORATORY ANALYSIS

Sample Submittal Information

LAB SAMPLE 1 OF 2

Details

Method of Sample Collection	MW-7 – Dedicated Proactive Environmental SS Sample Champ XL 12-volt low-flow submersible pump
Lab Sample Name	MW-7
Sample Date/Time	Feb 17, 2025 2:42:00 PM MST
Lab Suite	GW-Compliance
Number of Bottles/Containers	3
Lab Sample Type	Normal

LAB SAMPLE 2 OF 2

Details

Method of Sample Collection	MW-7 – Dedicated Proactive Environmental SS Sample Champ XL 12-volt low-flow submersible pump
Lab Sample Name	MW-2B
Sample Date/Time	Feb 17, 2025 2:42:00 PM MST

Lab Suite	GW-Compliance
Number of Bottles/Containers	3
Lab Sample Type	Duplicate

Sample Handling

SAMPLE HANDLING 1 OF 3

Bottle Details

ACZ Labs Bottle Sticker	None
Bottle Volume (mL)	500
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	No
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, no filtration

SAMPLE HANDLING 2 OF 3

Bottle Details

ACZ Labs Bottle Sticker	White
Bottle Volume (mL)	250
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, field-filtered

SAMPLE HANDLING 3 OF 3

Bottle Details

ACZ Labs Bottle Sticker	Green PC
Bottle Volume (mL)	125
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Nitric Acid

Analysis	Metals (dissolved including ICPMS) - nitric preserved, field-filtered

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400315107	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 8, 2025 9:49:45 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-8
Water present to measure/sample?	Yes
Is the water present within 0.25 feet of the well TD?	No

Wellhead Stick-Up from Ground Level Reference Point to Depth to Water Level Reference Point (ft)	2.16
Static Depth to Water (ft)	30.66
Well Total Depth (ft below top of casing)	65.65
Depth to Water below ground Surface (ft)	28.50
Well Diameter (In)	2

Misc

Site Photo

Water Quality Meter

Water Quality Meter Make/Model/SN	In-Situ AquaTroll 400 SN 896017
Calibration Date/Time:	Feb 14, 2025 4:09:00 PM MST
Calibration Parameters	Specific Conductivity (SC) pH Oxygen Reduction Potential (ORP) Dissolved Oxygen (DO or RDO)
AquaTroll calibration log generated?	Yes

SAMPLING DETAILS

Weather	Partly Sunny
Air Temperature (°F)	41
Date	Feb 17, 2025
Time	2:03:00 PM MST
Insufficient water for parameters/sampling	No

Micro-Purge Stabilization Parameters #1

Purge Start Time	Feb 17, 2025 1:45:00 PM MST
Date/Time #1 (1st Parameter time after purging has already started)	Feb 17, 2025 1:57:00 PM MST
Flow Rate (gpm) #1	0.05
Calculated Purge Volume (gal) #1	0.60
Sample Temperature (°C)	14.20

Specific Conductivity (µS/cm)	4568.67
pH (S.U.)	7.25
Oxygen Reduction Potential (mV)	195.11
Dissolved Oxygen (mg/L)	1.54
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #2

Date/Time #2	Feb 17, 2025 2:00:00 PM MST
Flow Rate (gpm) #2	0.05
Sample Temperature (°C)	14.05
Specific Conductivity (µS/cm)	4562.10
pH (S.U.)	7.24
Oxygen Reduction Potential (mV)	198.53
Dissolved Oxygen (mg/L)	1.27
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #3 (FINAL)

Date/Time #3	Feb 17, 2025 2:03:00 PM MST
Flow Rate (gpm) #3	0.05
Sample Temperature (°C)	14.10
Specific Conductivity (µS/cm)	4552.30
pH (S.U.)	7.23
Oxygen Reduction Potential (mV)	195.80
Dissolved Oxygen (mg/L)	0.95

Purge and Sampling

Water level measured at sample time?	Depth to Water (ft TOC) measured at Sample Time
Depth to Water (ft TOC)	36.44
Was flow rate measured?	Flow Rate was measured.
Static Flow Rate (gpm)	0.05
Total Purged (gal)	0.70
Geographic Sample Location	latitude: altitude: longitude: [viewMap]
Sample(s) collected for laboratory analysis?	Yes

Sampler

Sampler Name	Meghan Way - GCC Pueblo Environmental Engineer
Sampler's Signature	

SAMPLE(S) COLLECTED FOR LABORATORY ANALYSIS

Sample Submittal Information

LAB SAMPLE 1 OF 1

Details

Method of Sample Collection	MW-8 – Dedicated Proactive Environmental SS Sample Champ XL 12-volt low-flow submersible pump
Lab Sample Name	MW-8
Sample Date/Time	Feb 17, 2025 2:03:00 PM MST
Lab Suite	GW-Compliance
Number of Bottles/Containers	3
Lab Sample Type	Normal

Sample Handling

SAMPLE HANDLING 1 OF 3

Bottle Details

ACZ Labs Bottle Sticker	None
Bottle Volume (mL)	500
Bottle Composition	Poly
Bottle Quantity	1

Field-Filtered to 0.45 µm (Yes/No)	No
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, no filtration

SAMPLE HANDLING 2 OF 3

Bottle Details

ACZ Labs Bottle Sticker	White
Bottle Volume (mL)	250
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, field-filtered

SAMPLE HANDLING 3 OF 3

Bottle Details

ACZ Labs Bottle Sticker	Green PC
Bottle Volume (mL)	125
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Nitric Acid
Analysis	Metals (dissolved including ICPMS) - nitric preserved, field-filtered

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400339197	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 9, 2025 4:49:49 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-9
Water present to measure/sample?	Yes
Is the water present within 0.25 feet of the well TD?	No

Wellhead Stick-Up from Ground Level Reference Point to Depth to Water Level Reference Point (ft)	2.08
Static Depth to Water (ft)	26.42
Well Total Depth (ft below top of casing)	42.23
Depth to Water below ground Surface (ft)	24.34
Well Diameter (In)	2

Misc

Site Photo

Water Quality Meter

Water Quality Meter Make/Model/SN	In-Situ AquaTroll 400 SN 896017
Calibration Date/Time:	Feb 14, 2025 4:09:00 PM MST
Calibration Parameters	Specific Conductivity (SC) pH Oxygen Reduction Potential (ORP) Dissolved Oxygen (DO or RDO)
AquaTroll calibration log generated?	Yes

SAMPLING DETAILS

Weather	Sunny
Air Temperature (°F)	64
Date	Mar 3, 2025
Time	12:38:00 PM MST
Insufficient water for parameters/sampling	No

Micro-Purge Stabilization Parameters #1

Purge Start Time	Mar 3, 2025 12:26:00 PM MST
Date/Time #1 (1st Parameter time after purging has already started)	Mar 3, 2025 12:32:00 PM MST
Flow Rate (gpm) #1	0.05
Calculated Purge Volume (gal) #1	0.30
Sample Temperature (°C)	16.33

Specific Conductivity (µS/cm)	4753.59
pH (S.U.)	6.88
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	1.76
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #2

Date/Time #2	Mar 3, 2025 12:35:00 PM MST
Flow Rate (gpm) #2	0.05
Sample Temperature (°C)	16.07
Specific Conductivity (µS/cm)	4778.97
pH (S.U.)	6.87
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	1.60
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #3 (FINAL)

Date/Time #3	Mar 3, 2025 12:38:00 PM MST
Flow Rate (gpm) #3	0.05
Sample Temperature (°C)	16.11
Specific Conductivity (µS/cm)	4794.50
pH (S.U.)	6.87
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	1.42

Purge and Sampling

Water level measured at sample time?	Depth to Water (ft TOC) measured at Sample Time
Depth to Water (ft TOC)	28.77
Was flow rate measured?	Flow Rate was measured.
Static Flow Rate (gpm)	0.05
Total Purged (gal)	0.50
Geographic Sample Location	3372 Lime Rd, North Avondale, CO 81022, USA latitude: 38.129360929595705 altitude: 1535.4983 longitude: -104.60641146040804 [viewMap]

Sample(s) collected for laboratory analysis?	Yes

Sampler

Sampler Name	Meghan Way - GCC Pueblo Environmental Engineer
Sampler's Signature	

SAMPLE(S) COLLECTED FOR LABORATORY ANALYSIS

Sample Submittal Information

LAB SAMPLE 1 OF 1

Details

Method of Sample Collection	MW-9 – Dedicated Proactive Environmental SS Sample Champ XL 12-volt low-flow submersible pump
Lab Sample Name	MW-9
Sample Date/Time	Mar 3, 2025 12:38:00 PM MST
Lab Suite	GW-Compliance
Number of Bottles/Containers	3
Lab Sample Type	Normal

Sample Handling

SAMPLE HANDLING 1 OF 3

Bottle Details

ACZ Labs Bottle Sticker	None
Bottle Volume (mL)	500

Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	No
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, no filtration

SAMPLE HANDLING 2 OF 3

Bottle Details

ACZ Labs Bottle Sticker	White
Bottle Volume (mL)	250
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, field-filtered

SAMPLE HANDLING 3 OF 3

Bottle Details

ACZ Labs Bottle Sticker	Green PC
Bottle Volume (mL)	125
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Nitric Acid
Analysis	Metals (dissolved including ICPMS) - nitric preserved, field-filtered

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400339278	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 9, 2025 4:58:12 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-10
Water present to measure/sample?	Yes
Is the water present within 0.25 feet of the well TD?	No

Wellhead Stick-Up from Ground Level Reference Point to Depth to Water Level Reference Point (ft)	2.24
Static Depth to Water (ft)	25.58
Well Total Depth (ft below top of casing)	82.55
Depth to Water below ground Surface (ft)	23.34
Well Diameter (In)	2

Misc

Site Photo

Water Quality Meter

Water Quality Meter Make/Model/SN	In-Situ AquaTroll 400 SN 896017
Calibration Date/Time:	Feb 14, 2025 4:09:00 PM MST
Calibration Parameters	Specific Conductivity (SC) pH Oxygen Reduction Potential (ORP) Dissolved Oxygen (DO or RDO)
AquaTroll calibration log generated?	Yes

SAMPLING DETAILS

Weather	Partly Sunny
Air Temperature (°F)	65
Date	Mar 3, 2025
Time	1:08:00 PM MST
Insufficient water for parameters/sampling	No

Micro-Purge Stabilization Parameters #1

Purge Start Time	Mar 3, 2025 12:53:00 PM MST
Date/Time #1 (1st Parameter time after purging has already started)	Mar 3, 2025 1:02:00 PM MST
Flow Rate (gpm) #1	0.05
Calculated Purge Volume (gal) #1	0.45
Sample Temperature (°C)	16.02

Specific Conductivity (µS/cm)	3787.90
pH (S.U.)	7.81
Oxygen Reduction Potential (mV)	0.00
Are you sure? This value seems very unlikely based on past data?	Yes
ORP - Out of Range	Suspect specific probe malfunction for this parameter
Dissolved Oxygen (mg/L)	1.09
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #2

Date/Time #2	Mar 3, 2025 1:05:00 PM MST
Flow Rate (gpm) #2	0.05
Sample Temperature (°C)	15.85
Specific Conductivity (µS/cm)	3764.75
pH (S.U.)	7.82
Oxygen Reduction Potential (mV)	0.00
Are you sure? This value seems very unlikely based on past data?	Yes
ORP - Out of Range	Suspect specific probe malfunction for this parameter
Dissolved Oxygen (mg/L)	0.92
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #3 (FINAL)

Date/Time #3	Mar 3, 2025 1:08:00 PM MST
Flow Rate (gpm) #3	0.05
Sample Temperature (°C)	15.76
Specific Conductivity (µS/cm)	3678.62
pH (S.U.)	7.83
Oxygen Reduction Potential (mV)	0.00
Are you sure? This value seems very unlikely based on past data?	Yes
ORP - Out of Range	Suspect specific probe malfunction for this parameter
Dissolved Oxygen (mg/L)	0.74

Purge and Sampling

Water level measured at sample time?	Depth to Water (ft TOC) measured at Sample Time
Depth to Water (ft TOC)	31.10
Was flow rate measured?	Flow Rate was measured.
Static Flow Rate (gpm)	0.05
Total Purged (gal)	0.75
Geographic Sample Location	3372 Lime Rd, North Avondale, CO 81022, USA latitude: 38.129360929595705 altitude: 1535.4983 longitude: -104.60641146040804 [viewMap]
Sample(s) collected for laboratory analysis?	Yes

Sampler

Sampler Name	Meghan Way - GCC Pueblo Environmental Engineer
Sampler's Signature	

SAMPLE(S) COLLECTED FOR LABORATORY ANALYSIS

Sample Submittal Information

LAB SAMPLE 1 OF 1

Details

Method of Sample Collection	MW-10 – Dedicated Proactive Environmental SS Sample Champ XL 12-volt low-flow submersible pump
Lab Sample Name	MW-10
Sample Date/Time	Mar 3, 2025 1:08:00 PM MST

Lab Suite	GW-Compliance
Number of Bottles/Containers	3
Lab Sample Type	Normal

Sample Handling

SAMPLE HANDLING 1 OF 3

Bottle Details

ACZ Labs Bottle Sticker	None
Bottle Volume (mL)	500
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	No
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, no filtration

SAMPLE HANDLING 2 OF 3

Bottle Details

ACZ Labs Bottle Sticker	White
Bottle Volume (mL)	250
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, field-filtered

SAMPLE HANDLING 3 OF 3

Bottle Details

ACZ Labs Bottle Sticker	Green PC
Bottle Volume (mL)	125
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Nitric Acid

Analysis	Metals (dissolved including ICPMS) - nitric preserved, field-filtered

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400315105	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 8, 2025 10:09:16 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-11
Water present to measure/sample?	Yes
Is the water present within 0.25 feet of the well TD?	No

Wellhead Stick-Up from Ground Level Reference Point to Depth to Water Level Reference Point (ft)	2.18
Static Depth to Water (ft)	54.08
Well Total Depth (ft below top of casing)	72.68
Depth to Water below ground Surface (ft)	51.90
Well Diameter (In)	2

Misc

Site Photo

Water Quality Meter

Water Quality Meter Make/Model/SN	In-Situ AquaTroll 400 SN 896017
Calibration Date/Time:	Feb 14, 2025 4:09:00 PM MST
Calibration Parameters	Specific Conductivity (SC) pH Oxygen Reduction Potential (ORP) Dissolved Oxygen (DO or RDO)
AquaTroll calibration log generated?	Yes

SAMPLING DETAILS

Weather	Partly Sunny
Air Temperature (°F)	40
Date	Feb 17, 2025
Time	1:22:00 PM MST
Comments	Slight sulfur smell
Insufficient water for parameters/sampling	No

Micro-Purge Stabilization Parameters #1

Purge Start Time	Feb 17, 2025 1:08:00 PM MST
Date/Time #1 (1st Parameter time after purging has already started)	Feb 17, 2025 1:16:00 PM MST
Flow Rate (gpm) #1	0.06
Calculated Purge Volume (gal) #1	0.48

Sample Temperature (°C)	13.86
Are you sure? This value seems very unlikely based on past data.	Yes
Sample Temperature - Out of Range	Suspect conditions not observed before but I think the parameter value is accurate
Specific Conductivity (µS/cm)	3018.65
pH (S.U.)	7.34
Oxygen Reduction Potential (mV)	-25.53
Are you sure? This value seems very unlikely based on past data?	Yes
ORP - Out of Range	Suspect specific probe malfunction for this parameter
Dissolved Oxygen (mg/L)	1.96
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #2

Date/Time #2	Feb 17, 2025 1:19:00 PM MST
Flow Rate (gpm) #2	0.06
Sample Temperature (°C)	14.13
Specific Conductivity (µS/cm)	2991.12
pH (S.U.)	7.35
Oxygen Reduction Potential (mV)	-29.86
Are you sure? This value seems very unlikely based on past data?	Yes
ORP - Out of Range	Suspect specific probe malfunction for this parameter
Dissolved Oxygen (mg/L)	1.67
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #3 (FINAL)

Date/Time #3	Feb 17, 2025 1:22:00 PM MST
Flow Rate (gpm) #3	0.06
Sample Temperature (°C)	14.48
Specific Conductivity (µS/cm)	2958.24
pH (S.U.)	7.34
Oxygen Reduction Potential (mV)	-34.58
Are you sure? This value seems very unlikely based on past data?	Yes

ORP - Out of Range	Suspect specific probe malfunction for this parameter
Dissolved Oxygen (mg/L)	1.46

Purge and Sampling

Water level measured at sample time?	Depth to Water (ft TOC) measured at Sample Time
Depth to Water (ft TOC)	55.27
Was flow rate measured?	Flow Rate was measured.
Static Flow Rate (gpm)	0.06
Total Purged (gal)	0.75
Geographic Sample Location	latitude: altitude: longitude: [viewMap]
Sample(s) collected for laboratory analysis?	Yes

Sampler

Sampler Name	Meghan Way - GCC Pueblo Environmental Engineer
Sampler's Signature	

SAMPLE(S) COLLECTED FOR LABORATORY ANALYSIS

Sample Submittal Information

LAB SAMPLE 1 OF 1

Details

Method of Sample Collection	MW-11 – Dedicated Proactive Environmental SS Sample Champ XL 12-volt low-flow submersible pump
Lab Sample Name	MW-11

Sample Date/Time	Feb 17, 2025 1:22:00 PM MST
Lab Suite	GW-Compliance
Number of Bottles/Containers	3
Lab Sample Type	Normal

Sample Handling

SAMPLE HANDLING 1 OF 3

Bottle Details

ACZ Labs Bottle Sticker	None
Bottle Volume (mL)	500
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	No
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, no filtration

SAMPLE HANDLING 2 OF 3

Bottle Details

ACZ Labs Bottle Sticker	White
Bottle Volume (mL)	250
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, field-filtered

SAMPLE HANDLING 3 OF 3

Bottle Details

ACZ Labs Bottle Sticker	Green PC
Bottle Volume (mL)	125
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes

Preservative (Type)	Nitric Acid
Analysis	Metals (dissolved including ICPMS) - nitric preserved, field-filtered

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400315108	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 9, 2025 2:35:27 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-12
Water present to measure/sample?	Yes
Is the water present within 0.25 feet of the well TD?	No

Wellhead Stick-Up from Ground Level Reference Point to Depth to Water Level Reference Point (ft)	2.29
Static Depth to Water (ft)	58.70
Well Total Depth (ft below top of casing)	88.8
Depth to Water below ground Surface (ft)	56.41
Well Diameter (In)	2

Misc

Site Photo

Water Quality Meter

Water Quality Meter Make/Model/SN	In-Situ AquaTroll 400 SN 896017
Calibration Date/Time:	Feb 14, 2025 4:09:00 PM MST
Calibration Parameters	Specific Conductivity (SC) pH Oxygen Reduction Potential (ORP) Dissolved Oxygen (DO or RDO)
AquaTroll calibration log generated?	Yes

SAMPLING DETAILS

Weather	Partly Sunny
Air Temperature (°F)	37
Date	Feb 17, 2025
Time	12:53:00 PM MST
Insufficient water for parameters/sampling	No

Micro-Purge Stabilization Parameters #1

Purge Start Time	Feb 17, 2025 12:34:00 PM MST
Date/Time #1 (1st Parameter time after purging has already started)	Feb 17, 2025 12:47:00 PM MST
Flow Rate (gpm) #1	0.05
Calculated Purge Volume (gal) #1	0.65
Sample Temperature (°C)	13.40

Are you sure? This value seems very unlikely based on past data.	Yes
Sample Temperature - Out of Range	Suspect conditions not observed before but I think the parameter value is accurate
Specific Conductivity (µS/cm)	4135.90
pH (S.U.)	7.78
Oxygen Reduction Potential (mV)	166.47
Are you sure? This value seems very unlikely based on past data?	Yes
ORP - Out of Range	Suspect specific probe malfunction for this parameter
Dissolved Oxygen (mg/L)	2.25
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #2

Date/Time #2	Feb 17, 2025 12:50:00 PM MST
Flow Rate (gpm) #2	0.05
Sample Temperature (°C)	13.77
Are you sure? This value seems very unlikely based on past data.	Yes
Sample Temperature - Out of Range	Suspect conditions not observed before but I think the parameter value is accurate
Specific Conductivity (µS/cm)	4131.62
pH (S.U.)	7.78
Oxygen Reduction Potential (mV)	275.50
Are you sure? This value seems very unlikely based on past data?	Yes
ORP - Out of Range	Suspect specific probe malfunction for this parameter
Dissolved Oxygen (mg/L)	1.73
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #3 (FINAL)

Date/Time #3	Feb 17, 2025 12:53:00 PM MST
Flow Rate (gpm) #3	0.05
Sample Temperature (°C)	13.95
Are you sure? This value seems very unlikely based on past data.	Yes

Sample Temperature - Out of Range	Suspect conditions not observed before but I think the parameter value is accurate
Specific Conductivity (µS/cm)	4117.64
pH (S.U.)	7.77
Oxygen Reduction Potential (mV)	291.34
Are you sure? This value seems very unlikely based on past data?	Yes
ORP - Out of Range	Suspect specific probe malfunction for this parameter
Dissolved Oxygen (mg/L)	1.45

Purge and Sampling

Water level measured at sample time?	Depth to Water (ft TOC) measured at Sample Time
Depth to Water (ft TOC)	64.30
Was flow rate measured?	Flow Rate was measured.
Static Flow Rate (gpm)	0.05
Total Purged (gal)	0.80
Geographic Sample Location	latitude: altitude: longitude: [viewMap]
Sample(s) collected for laboratory analysis?	Yes

Sampler

Sampler Name	Meghan Way - GCC Pueblo Environmental Engineer
Sampler's Signature	

SAMPLE(S) COLLECTED FOR LABORATORY ANALYSIS

Sample Submittal Information

LAB SAMPLE 1 OF 1

Details

Method of Sample Collection	MW-12 – Dedicated Proactive Environmental SS Sample Champ XL 12-volt low-flow submersible pump
Lab Sample Name	MW-12
Sample Date/Time	Feb 17, 2025 12:53:00 PM MST
Lab Suite	GW-Compliance
Number of Bottles/Containers	3
Lab Sample Type	Normal

Sample Handling

SAMPLE HANDLING 1 OF 3

Bottle Details

ACZ Labs Bottle Sticker	None
Bottle Volume (mL)	500
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	No
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, no filtration

SAMPLE HANDLING 2 OF 3

Bottle Details

ACZ Labs Bottle Sticker	White
Bottle Volume (mL)	250
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, field-filtered

SAMPLE HANDLING 3 OF 3

Bottle Details

ACZ Labs Bottle Sticker	Green PC
Bottle Volume (mL)	125
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Nitric Acid
Analysis	Metals (dissolved including ICPMS) - nitric preserved, field-filtered

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400339147	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 9, 2025 4:43:05 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-13
Water present to measure/sample?	Yes
Is the water present within 0.25 feet of the well TD?	No

Wellhead Stick-Up from Ground Level Reference Point to Depth to Water Level Reference Point (ft)	2.19
Static Depth to Water (ft)	117.20
Well Total Depth (ft below top of casing)	177.88
Depth to Water below ground Surface (ft)	115.01
Well Diameter (In)	2

Misc

Site Photo

Water Quality Meter

Water Quality Meter Make/Model/SN	In-Situ AquaTroll 400 SN 896017
Calibration Date/Time:	Feb 14, 2025 4:09:00 PM MST
Calibration Parameters	Specific Conductivity (SC) pH Oxygen Reduction Potential (ORP) Dissolved Oxygen (DO or RDO)
AquaTroll calibration log generated?	Yes

SAMPLING DETAILS

Weather	Sunny
Air Temperature (°F)	60
Date	Mar 3, 2025
Time	11:36:00 AM MST
Insufficient water for parameters/sampling	No

Micro-Purge Stabilization Parameters #1

Purge Start Time	Mar 3, 2025 11:15:00 AM MST
Date/Time #1 (1st Parameter time after purging has already started)	Mar 3, 2025 11:30:00 AM MST
Flow Rate (gpm) #1	0.04
Calculated Purge Volume (gal) #1	0.60
Sample Temperature (°C)	16.52

Specific Conductivity (µS/cm)	3926.08
pH (S.U.)	8.00
Oxygen Reduction Potential (mV)	0.00
Are you sure? This value seems very unlikely based on past data?	Yes
ORP - Out of Range	Suspect specific probe malfunction for this parameter
Dissolved Oxygen (mg/L)	0.11
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #2

Date/Time #2	Mar 3, 2025 11:33:00 AM MST
Flow Rate (gpm) #2	0.04
Sample Temperature (°C)	16.40
Specific Conductivity (µS/cm)	3927.92
pH (S.U.)	8.01
Oxygen Reduction Potential (mV)	0.00
Are you sure? This value seems very unlikely based on past data?	Yes
ORP - Out of Range	Suspect specific probe malfunction for this parameter
Dissolved Oxygen (mg/L)	0.06
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #3 (FINAL)

Date/Time #3	Mar 3, 2025 11:36:00 AM MST
Flow Rate (gpm) #3	0.04
Sample Temperature (°C)	16.38
Specific Conductivity (µS/cm)	3909.67
pH (S.U.)	8.03
Oxygen Reduction Potential (mV)	0.00
Are you sure? This value seems very unlikely based on past data?	Yes
ORP - Out of Range	Suspect specific probe malfunction for this parameter
Dissolved Oxygen (mg/L)	0.04

Purge and Sampling

Water level measured at sample time?	Depth to Water (ft TOC) measured at Sample Time
Depth to Water (ft TOC)	116.00
Was flow rate measured?	Flow Rate was measured.
Static Flow Rate (gpm)	0.04
Total Purged (gal)	1.40
Geographic Sample Location	3372 Lime Rd, North Avondale, CO 81022, USA latitude: 38.129360929595705 altitude: 1535.4983 longitude: -104.60641146040804 [viewMap]
Sample(s) collected for laboratory analysis?	Yes

Sampler

Sampler Name	Meghan Way - GCC Pueblo Environmental Engineer
Sampler's Signature	

SAMPLE(S) COLLECTED FOR LABORATORY ANALYSIS

Sample Submittal Information

LAB SAMPLE 1 OF 1

Details

Method of Sample Collection	MW-13 – Dedicated Proactive Environmental SS Sample Champ XL 12-volt low-flow submersible pump
Lab Sample Name	MW-13
Sample Date/Time	Mar 3, 2025 11:36:00 AM MST

Lab Suite	GW-Compliance
Number of Bottles/Containers	3
Lab Sample Type	Normal

Sample Handling

SAMPLE HANDLING 1 OF 3

Bottle Details

ACZ Labs Bottle Sticker	None
Bottle Volume (mL)	500
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	No
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, no filtration

SAMPLE HANDLING 2 OF 3

Bottle Details

ACZ Labs Bottle Sticker	White
Bottle Volume (mL)	250
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, field-filtered

SAMPLE HANDLING 3 OF 3

Bottle Details

ACZ Labs Bottle Sticker	Green PC
Bottle Volume (mL)	125
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Nitric Acid

Analysis	Metals (dissolved including ICPMS) - nitric preserved, field-filtered

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400323322	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 9, 2025 3:35:53 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-14
Water present to measure/sample?	Yes
Is the water present within 0.25 feet of the well TD?	No

Wellhead Stick-Up from Ground Level Reference Point to Depth to Water Level Reference Point (ft)	2.11
Static Depth to Water (ft)	93.48
Well Total Depth (ft below top of casing)	207.83
Depth to Water below ground Surface (ft)	91.37
Well Diameter (In)	2

Misc

Site Photo

Water Quality Meter

Water Quality Meter Make/Model/SN	In-Situ AquaTroll 400 SN 896017
Calibration Date/Time:	Feb 14, 2025 4:09:00 PM MST
Calibration Parameters	Specific Conductivity (SC) pH Oxygen Reduction Potential (ORP) Dissolved Oxygen (DO or RDO)
AquaTroll calibration log generated?	Yes

SAMPLING DETAILS

Weather	Sunny
Air Temperature (°F)	53
Date	Mar 3, 2025
Time	10:59:00 AM MST
Insufficient water for parameters/sampling	No

Micro-Purge Stabilization Parameters #1

Purge Start Time	Mar 3, 2025 10:34:00 AM MST
Date/Time #1 (1st Parameter time after purging has already started)	Mar 3, 2025 10:53:00 AM MST
Flow Rate (gpm) #1	0.07
Calculated Purge Volume (gal) #1	1.33
Sample Temperature (°C)	16.05

Specific Conductivity (µS/cm)	6112.80
pH (S.U.)	7.71
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	0.00
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #2

Date/Time #2	Mar 3, 2025 10:56:00 AM MST
Flow Rate (gpm) #2	0.07
Sample Temperature (°C)	16.11
Specific Conductivity (µS/cm)	5782.96
pH (S.U.)	7.70
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	0.00
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #3 (FINAL)

Date/Time #3	Mar 3, 2025 10:59:00 AM MST
Flow Rate (gpm) #3	0.07
Sample Temperature (°C)	15.93
Specific Conductivity (µS/cm)	5666.54
pH (S.U.)	7.70
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	0.00

Purge and Sampling

Water level measured at sample time?	Depth to Water (ft TOC) measured at Sample Time
Depth to Water (ft TOC)	106.38
Was flow rate measured?	Flow Rate was measured.
Static Flow Rate (gpm)	0.07
Total Purged (gal)	1.70
Geographic Sample Location	3372 Lime Rd, North Avondale, CO 81022, USA latitude: 38.12929707775023 altitude: 1535.9104 longitude: -104.60640159666067 [viewMap]

Sample(s) collected for laboratory analysis? Yes

Sampler

Sampler Name Meghan Way - GCC Pueblo Environmental Engineer

Sampler's Signature

SAMPLE(S) COLLECTED FOR LABORATORY ANALYSIS

Sample Submittal Information

LAB SAMPLE 1 OF 2

Details

Method of Sample Collection	MW-14 – Dedicated QED SS Well Wizard T1300 low-flow bladder pump
Lab Sample Name	MW-14
Sample Date/Time	Mar 3, 2025 10:59:00 AM MST
Lab Suite	GW-Compliance
Number of Bottles/Containers	3
Lab Sample Type	Normal

LAB SAMPLE 2 OF 2

Details

Method of Sample Collection	MW-5 – No pump
Lab Sample Name	MW-3B
Sample Date/Time	Mar 3, 2025 10:59:00 AM MST
Lab Suite	GW-Compliance
Number of Bottles/Containers	3

Lab Sample Type	Field Blank

Sample Handling

SAMPLE HANDLING 1 OF 3

Bottle Details

ACZ Labs Bottle Sticker	None
Bottle Volume (mL)	500
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	No
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, no filtration

SAMPLE HANDLING 2 OF 3

Bottle Details

ACZ Labs Bottle Sticker	White
Bottle Volume (mL)	250
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, field-filtered

SAMPLE HANDLING 3 OF 3

Bottle Details

ACZ Labs Bottle Sticker	Green PC
Bottle Volume (mL)	125
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Nitric Acid

Analysis	Metals (dissolved including ICPMS) - nitric preserved, field-filtered

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400339292	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 9, 2025 4:59:11 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-15
Water present to measure/sample?	No
Is the water present within 0.25 feet of the well TD?	No
Dry Well	Yes

Misc

Site Photo

SAMPLING DETAILS

Sampler

Sampler Name	Meghan Way - GCC Pueblo Environmental Engineer
Sampler's Signature	

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400339742	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 9, 2025 5:15:35 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-16
Water present to measure/sample?	Yes
Is the water present within 0.25 feet of the well TD?	No

Wellhead Stick-Up from Ground Level Reference Point to Depth to Water Level Reference Point (ft)	2.88
Static Depth to Water (ft)	76.72
Well Total Depth (ft below top of casing)	75.37
Depth to Water below ground Surface (ft)	73.84
Well Diameter (In)	2

Misc

Site Photo

Water Quality Meter

Water Quality Meter Make/Model/SN	In-Situ AquaTroll 400 SN 896017
Calibration Date/Time:	Feb 14, 2025 4:09:00 PM MST
Calibration Parameters	Specific Conductivity (SC) pH Oxygen Reduction Potential (ORP) Dissolved Oxygen (DO or RDO)
AquaTroll calibration log generated?	Yes

SAMPLING DETAILS

Weather	Cloudy
Air Temperature (°F)	68
Date	Mar 3, 2025
Time	2:05:00 PM MST
Comments	Only able to purge 0.1 gal then ran dry
Insufficient water for parameters/sampling	Yes

Sampler

Sampler Name	Meghan Way - GCC Pueblo Environmental Engineer

Sampler's Signature

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400339283	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 9, 2025 4:58:50 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-17
Water present to measure/sample?	No
Is the water present within 0.25 feet of the well TD?	No
Dry Well	Yes

Misc

Site Photo

SAMPLING DETAILS

Sampler

Sampler Name Meghan Way - GCC Pueblo Environmental Engineer

Sampler's Signature

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400339709	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 9, 2025 5:14:31 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-18
Water present to measure/sample?	Yes
Is the water present within 0.25 feet of the well TD?	No

Wellhead Stick-Up from Ground Level Reference Point to Depth to Water Level Reference Point (ft)	2.87
Static Depth to Water (ft)	36.96
Well Total Depth (ft below top of casing)	55.74
Depth to Water below ground Surface (ft)	34.09
Well Diameter (In)	2

Misc

Site Photo

Water Quality Meter

Water Quality Meter Make/Model/SN	In-Situ AquaTroll 400 SN 896017
Calibration Date/Time:	Feb 14, 2025 4:09:00 PM MST
Calibration Parameters	Specific Conductivity (SC) pH Oxygen Reduction Potential (ORP) Dissolved Oxygen (DO or RDO)
AquaTroll calibration log generated?	Yes

SAMPLING DETAILS

Weather	Cloudy
Air Temperature (°F)	67
Date	Mar 3, 2025
Time	1:45:00 PM MST
Insufficient water for parameters/sampling	No

Micro-Purge Stabilization Parameters #1

Purge Start Time	Mar 3, 2025 1:29:00 PM MST
Date/Time #1 (1st Parameter time after purging has already started)	Mar 3, 2025 1:39:00 PM MST
Flow Rate (gpm) #1	0.04
Calculated Purge Volume (gal) #1	0.40
Sample Temperature (°C)	15.84

Specific Conductivity (µS/cm)	1319.81
pH (S.U.)	7.56
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	0.95
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #2

Date/Time #2	Mar 3, 2025 1:42:00 PM MST
Flow Rate (gpm) #2	0.04
Sample Temperature (°C)	15.87
Specific Conductivity (µS/cm)	1316.36
pH (S.U.)	7.56
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	0.62
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #3 (FINAL)

Date/Time #3	Mar 3, 2025 1:45:00 PM MST
Flow Rate (gpm) #3	0.04
Sample Temperature (°C)	15.85
Specific Conductivity (µS/cm)	1318.00
pH (S.U.)	7.55
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	0.42

Purge and Sampling

Water level measured at sample time?	Depth to Water (ft TOC) measured at Sample Time
Depth to Water (ft TOC)	38.58
Was flow rate measured?	Flow Rate was measured.
Static Flow Rate (gpm)	0.04
Total Purged (gal)	0.70
Geographic Sample Location	3372 Lime Rd, North Avondale, CO 81022, USA latitude: 38.129360929595705 altitude: 1535.4983 longitude: -104.60641146040804 [viewMap]

Sample(s) collected for laboratory analysis?	Yes

Sampler

Sampler Name	Meghan Way - GCC Pueblo Environmental Engineer
Sampler's Signature	

SAMPLE(S) COLLECTED FOR LABORATORY ANALYSIS

Sample Submittal Information

LAB SAMPLE 1 OF 1

Details

Method of Sample Collection	MW-18 – Dedicated Proactive Environmental SS Sample Champ XL 12-volt low-flow submersible pump
Lab Sample Name	MW-18
Sample Date/Time	Mar 3, 2025 1:45:00 PM MST
Lab Suite	GW-Compliance
Number of Bottles/Containers	3
Lab Sample Type	Normal

Sample Handling

SAMPLE HANDLING 1 OF 3

Bottle Details

ACZ Labs Bottle Sticker	None
Bottle Volume (mL)	500

Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	No
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, no filtration

SAMPLE HANDLING 2 OF 3

Bottle Details

ACZ Labs Bottle Sticker	White
Bottle Volume (mL)	250
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, field-filtered

SAMPLE HANDLING 3 OF 3

Bottle Details

ACZ Labs Bottle Sticker	Green PC
Bottle Volume (mL)	125
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Nitric Acid
Analysis	Metals (dissolved including ICPMS) - nitric preserved, field-filtered

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400315106	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 9, 2025 2:45:21 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-19
Water present to measure/sample?	Yes
Is the water present within 0.25 feet of the well TD?	No

Wellhead Stick-Up from Ground Level Reference Point to Depth to Water Level Reference Point (ft)	2.74
Static Depth to Water (ft)	14.20
Well Total Depth (ft below top of casing)	75.01
Depth to Water below ground Surface (ft)	11.46
Well Diameter (In)	2

Misc

Site Photo

Water Quality Meter

Water Quality Meter Make/Model/SN	In-Situ AquaTroll 400 SN 896017
Calibration Date/Time:	Feb 14, 2025 4:09:00 PM MST
Calibration Parameters	Specific Conductivity (SC) pH Oxygen Reduction Potential (ORP) Dissolved Oxygen (DO or RDO)
AquaTroll calibration log generated?	Yes

SAMPLING DETAILS

Weather	Partly Sunny
Air Temperature (°F)	34
Date	Feb 17, 2025
Time	11:57:00 AM MST
Insufficient water for parameters/sampling	No

Micro-Purge Stabilization Parameters #1

Purge Start Time	Feb 17, 2025 11:58:00 AM MST
Date/Time #1 (1st Parameter time after purging has already started)	Feb 17, 2025 12:04:00 PM MST
Flow Rate (gpm) #1	0.06
Calculated Purge Volume (gal) #1	0.36
Sample Temperature (°C)	13.95

Specific Conductivity (µS/cm)	1968.46
pH (S.U.)	8.20
Oxygen Reduction Potential (mV)	337.47
Are you sure? This value seems very unlikely based on past data?	Yes
ORP - Out of Range	Suspect specific probe malfunction for this parameter
Dissolved Oxygen (mg/L)	2.56
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #2

Date/Time #2	Feb 17, 2025 12:07:00 PM MST
Flow Rate (gpm) #2	0.06
Sample Temperature (°C)	14.02
Specific Conductivity (µS/cm)	1974.53
pH (S.U.)	8.21
Oxygen Reduction Potential (mV)	366.40
Are you sure? This value seems very unlikely based on past data?	Yes
ORP - Out of Range	Suspect specific probe malfunction for this parameter
Dissolved Oxygen (mg/L)	2.11
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #3 (FINAL)

Date/Time #3	Feb 17, 2025 12:10:00 PM MST
Flow Rate (gpm) #3	0.06
Sample Temperature (°C)	14.04
Specific Conductivity (µS/cm)	1975.80
pH (S.U.)	8.21
Oxygen Reduction Potential (mV)	384.86
Are you sure? This value seems very unlikely based on past data?	Yes
ORP - Out of Range	Suspect specific probe malfunction for this parameter
Dissolved Oxygen (mg/L)	1.87

Purge and Sampling

Water level measured at sample time?	Depth to Water (ft TOC) measured at Sample Time
Depth to Water (ft TOC)	14.72
Was flow rate measured?	Flow Rate was measured.
Static Flow Rate (gpm)	0.06
Total Purged (gal)	0.75
Geographic Sample Location	latitude: altitude: longitude: [viewMap]
Sample(s) collected for laboratory analysis?	Yes

Sampler

Sampler Name	Meghan Way - GCC Pueblo Environmental Engineer
Sampler's Signature	

SAMPLE(S) COLLECTED FOR LABORATORY ANALYSIS

Sample Submittal Information

LAB SAMPLE 1 OF 1

Details

Method of Sample Collection	MW-19 – Dedicated Proactive Environmental SS Sample Champ XL 12-volt low-flow submersible pump
Lab Sample Name	MW-19
Sample Date/Time	Feb 17, 2025 12:10:00 PM MST
Lab Suite	GW-Compliance
Number of Bottles/Containers	3

Lab Sample Type	Normal

Sample Handling

SAMPLE HANDLING 1 OF 3

Bottle Details

ACZ Labs Bottle Sticker	None
Bottle Volume (mL)	500
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	No
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, no filtration

SAMPLE HANDLING 2 OF 3

Bottle Details

ACZ Labs Bottle Sticker	White
Bottle Volume (mL)	250
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, field-filtered

SAMPLE HANDLING 3 OF 3

Bottle Details

ACZ Labs Bottle Sticker	Green PC
Bottle Volume (mL)	125
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Nitric Acid

Analysis	Metals (dissolved including ICPMS) - nitric preserved, field-filtered

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400315582	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 9, 2025 2:53:30 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-20
Water present to measure/sample?	Yes
Is the water present within 0.25 feet of the well TD?	No

Wellhead Stick-Up from Ground Level Reference Point to Depth to Water Level Reference Point (ft)	2.75
Static Depth to Water (ft)	12.79
Well Total Depth (ft below top of casing)	97.4
Depth to Water below ground Surface (ft)	10.04
Well Diameter (In)	2

Misc

Site Photo

Water Quality Meter

Water Quality Meter Make/Model/SN	In-Situ AquaTroll 400 SN 896017
Calibration Date/Time:	Feb 14, 2025 4:09:00 PM MST
Calibration Parameters	Specific Conductivity (SC) pH Oxygen Reduction Potential (ORP) Dissolved Oxygen (DO or RDO)
AquaTroll calibration log generated?	Yes

SAMPLING DETAILS

Weather	Partly Sunny
Air Temperature (°F)	30
Date	Feb 17, 2025
Time	11:46:00 AM MST
Comments	Slight sulfur smell; difficult to get consistent purge rate
Insufficient water for parameters/sampling	No

Micro-Purge Stabilization Parameters #1

Purge Start Time	Feb 17, 2025 11:23:00 AM MST
Date/Time #1 (1st Parameter time after purging has already started)	Feb 17, 2025 11:40:00 AM MST
Flow Rate (gpm) #1	0.05

Calculated Purge Volume (gal) #1	0.85
Sample Temperature (°C)	13.85
Specific Conductivity (µS/cm)	3603.96
pH (S.U.)	8.12
Oxygen Reduction Potential (mV)	294.70
Dissolved Oxygen (mg/L)	0.90
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #2

Date/Time #2	Feb 17, 2025 11:43:00 AM MST
Flow Rate (gpm) #2	0.05
Sample Temperature (°C)	14.06
Specific Conductivity (µS/cm)	3517.25
pH (S.U.)	8.12
Oxygen Reduction Potential (mV)	304.11
Are you sure? This value seems very unlikely based on past data?	Yes
ORP - Out of Range	Suspect specific probe malfunction for this parameter
Dissolved Oxygen (mg/L)	0.69
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #3 (FINAL)

Date/Time #3	Feb 17, 2025 11:46:00 AM MST
Flow Rate (gpm) #3	0.05
Sample Temperature (°C)	13.92
Specific Conductivity (µS/cm)	3498.16
pH (S.U.)	8.13
Oxygen Reduction Potential (mV)	321.55
Are you sure? This value seems very unlikely based on past data?	Yes
ORP - Out of Range	Suspect specific probe malfunction for this parameter
Dissolved Oxygen (mg/L)	0.51

Purge and Sampling

Water level measured at sample time?	Depth to Water (ft TOC) measured at Sample Time
Depth to Water (ft TOC)	20.04
Was flow rate measured?	Flow Rate was measured.
Static Flow Rate (gpm)	0.05
Total Purged (gal)	0.90
Geographic Sample Location	4CG2+25 Pueblo, CO, USA latitude: 38.12508663066995 altitude: 1537.3 longitude: -104.59960509063289 [viewMap]
Sample(s) collected for laboratory analysis?	Yes

Sampler

Sampler Name	Meghan Way - GCC Pueblo Environmental Engineer
Sampler's Signature	

SAMPLE(S) COLLECTED FOR LABORATORY ANALYSIS

Sample Submittal Information

LAB SAMPLE 1 OF 1

Details

Method of Sample Collection	MW-20 – Dedicated Proactive Environmental SS Sample Champ XL 12-volt low-flow submersible pump
Lab Sample Name	MW-20
Sample Date/Time	Feb 17, 2025 11:46:00 AM MST
Lab Suite	GW-Compliance
Number of Bottles/Containers	3
Lab Sample Type	Normal

Sample Handling

SAMPLE HANDLING 1 OF 3

Bottle Details

ACZ Labs Bottle Sticker	None
Bottle Volume (mL)	500
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	No
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, no filtration

SAMPLE HANDLING 2 OF 3

Bottle Details

ACZ Labs Bottle Sticker	White
Bottle Volume (mL)	250
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, field-filtered

SAMPLE HANDLING 3 OF 3

Bottle Details

ACZ Labs Bottle Sticker	Green PC
Bottle Volume (mL)	125
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Nitric Acid
Analysis	Metals (dissolved including ICPMS) - nitric preserved, field-filtered

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400319607	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 9, 2025 3:10:39 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-21
Water present to measure/sample?	Yes
Is the water present within 0.25 feet of the well TD?	No

Wellhead Stick-Up from Ground Level Reference Point to Depth to Water Level Reference Point (ft)	2.6
Static Depth to Water (ft)	46.44
Well Total Depth (ft below top of casing)	124.88
Depth to Water below ground Surface (ft)	43.84
Well Diameter (In)	2

Misc

Site Photo

Water Quality Meter

Water Quality Meter Make/Model/SN	In-Situ AquaTroll 400 SN 896017
Calibration Date/Time:	Feb 14, 2025 4:09:00 PM MST
Calibration Parameters	Specific Conductivity (SC) pH Oxygen Reduction Potential (ORP) Dissolved Oxygen (DO or RDO)
AquaTroll calibration log generated?	Yes

SAMPLING DETAILS

Weather	Sunny
Air Temperature (°F)	71
Date	Feb 24, 2025
Time	12:57:00 PM MST
Comments	Very cloudy and smelly purge
Insufficient water for parameters/sampling	No

Micro-Purge Stabilization Parameters #1

Purge Start Time	Feb 24, 2025 12:38:00 PM MST
Date/Time #1 (1st Parameter time after purging has already started)	Feb 24, 2025 12:51:00 PM MST
Flow Rate (gpm) #1	0.04
Calculated Purge Volume (gal) #1	0.52

Sample Temperature (°C)	15.63
Specific Conductivity (µS/cm)	3356.54
pH (S.U.)	8.31
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	0.90
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #2

Date/Time #2	Feb 24, 2025 12:54:00 PM MST
Flow Rate (gpm) #2	0.04
Sample Temperature (°C)	15.52
Specific Conductivity (µS/cm)	3365.97
pH (S.U.)	8.32
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	0.61
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #3 (FINAL)

Date/Time #3	Feb 24, 2025 12:57:00 PM MST
Flow Rate (gpm) #3	0.04
Sample Temperature (°C)	15.57
Specific Conductivity (µS/cm)	3366.08
pH (S.U.)	8.32
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	0.33

Purge and Sampling

Water level measured at sample time?	Depth to Water (ft TOC) measured at Sample Time
Depth to Water (ft TOC)	46.91
Was flow rate measured?	Flow Rate was measured.
Static Flow Rate (gpm)	0.04
Total Purged (gal)	1.25
Geographic Sample Location	3372 Lime Rd, North Avondale, CO 81022, USA

	latitude: 38.129896410885785 altitude: 1534.5983 longitude: -104.60697257119311 [viewMap]
Sample(s) collected for laboratory analysis?	Yes

Sampler

Sampler Name	Meghan Way - GCC Pueblo Environmental Engineer
Sampler's Signature	

SAMPLE(S) COLLECTED FOR LABORATORY ANALYSIS

Sample Submittal Information

LAB SAMPLE 1 OF 1

Details

Method of Sample Collection	MW-21 – Dedicated Proactive Environmental SS Sample Champ XL 12-volt low-flow submersible pump
Lab Sample Name	MW-21
Sample Date/Time	Feb 24, 2025 12:57:00 PM MST
Lab Suite	GW-Compliance
Number of Bottles/Containers	3
Lab Sample Type	Normal

Sample Handling

SAMPLE HANDLING 1 OF 3

Bottle Details

ACZ Labs Bottle Sticker	None
Bottle Volume (mL)	500
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	No
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, no filtration

SAMPLE HANDLING 2 OF 3

Bottle Details

ACZ Labs Bottle Sticker	White
Bottle Volume (mL)	250
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, field-filtered

SAMPLE HANDLING 3 OF 3

Bottle Details

ACZ Labs Bottle Sticker	Green PC
Bottle Volume (mL)	125
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Nitric Acid
Analysis	Metals (dissolved including ICPMS) - nitric preserved, field-filtered

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400319662	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 9, 2025 3:12:00 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-22
Water present to measure/sample?	Yes
Is the water present within 0.25 feet of the well TD?	No

Wellhead Stick-Up from Ground Level Reference Point to Depth to Water Level Reference Point (ft)	2.6
Static Depth to Water (ft)	152.11
Well Total Depth (ft below top of casing)	155.15
Depth to Water below ground Surface (ft)	149.51
Well Diameter (In)	2

Misc

Site Photo

Water Quality Meter

Water Quality Meter Make/Model/SN	In-Situ AquaTroll 400 SN 896017
Calibration Date/Time:	Feb 14, 2025 4:09:00 PM MST
Calibration Parameters	Specific Conductivity (SC) pH Oxygen Reduction Potential (ORP) Dissolved Oxygen (DO or RDO)
AquaTroll calibration log generated?	Yes

SAMPLING DETAILS

Weather	Sunny
Air Temperature (°F)	71
Date	Feb 24, 2025
Time	1:14:00 PM MST
Comments	Could not get any water to purge
Insufficient water for parameters/sampling	Yes

Sampler

Sampler Name	Meghan Way - GCC Pueblo Environmental Engineer

Sampler's Signature

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400323168	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 9, 2025 3:25:00 PM MDT**

SITE INFORMATION

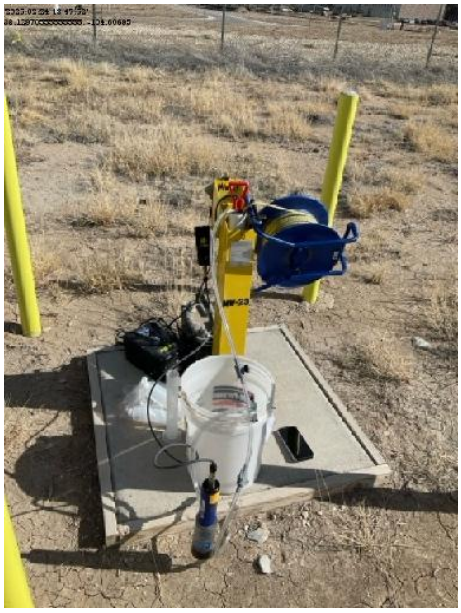
Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-23
Water present to measure/sample?	Yes
Is the water present within 0.25 feet of the well TD?	No

Wellhead Stick-Up from Ground Level Reference Point to Depth to Water Level Reference Point (ft)	2.8
Static Depth to Water (ft)	76.72
Well Total Depth (ft below top of casing)	80
Depth to Water below ground Surface (ft)	73.92
Well Diameter (In)	2

Misc

Site Photo



Water Quality Meter

Water Quality Meter Make/Model/SN	In-Situ AquaTroll 400 SN 896017
Calibration Date/Time:	Feb 14, 2025 4:09:00 PM MST
Calibration Parameters	Specific Conductivity (SC) pH Oxygen Reduction Potential (ORP) Dissolved Oxygen (DO or RDO)
AquaTroll calibration log generated?	Yes

SAMPLING DETAILS

Weather	Sunny
Air Temperature (°F)	72
Date	Feb 24, 2025
Time	2:04:00 PM MST
Insufficient water for parameters/sampling	No

Micro-Purge Stabilization Parameters #1

Purge Start Time	Feb 24, 2025 1:51:00 PM MST
Date/Time #1 (1st Parameter time after purging has already started)	Feb 24, 2025 1:58:00 PM MST
Flow Rate (gpm) #1	0.05
Calculated Purge Volume (gal) #1	0.35
Sample Temperature (°C)	17.61

Specific Conductivity (µS/cm)	2117.05
pH (S.U.)	7.63
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	2.06
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #2

Date/Time #2	Feb 24, 2025 2:01:00 PM MST
Flow Rate (gpm) #2	0.05
Sample Temperature (°C)	17.79
Specific Conductivity (µS/cm)	2108.95
pH (S.U.)	7.60
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	1.59
Insufficient water for next set of parameters/sampling	No

Micro-Purge Stabilization Parameters #3 (FINAL)

Date/Time #3	Feb 24, 2025 2:04:00 PM MST
Flow Rate (gpm) #3	0.05
Sample Temperature (°C)	17.72
Specific Conductivity (µS/cm)	2108.51
pH (S.U.)	7.59
Oxygen Reduction Potential (mV)	0.00
Dissolved Oxygen (mg/L)	1.29

Purge and Sampling

Water level measured at sample time?	Depth to Water (ft TOC) measured at Sample Time
Depth to Water (ft TOC)	78.74
Was flow rate measured?	Flow Rate was measured.
Static Flow Rate (gpm)	0.05
Total Purged (gal)	0.75
Geographic Sample Location	3372 Lime Rd, North Avondale, CO 81022, USA latitude: 38.1300507320327 altitude: 1537.3 longitude: -104.60629902406409 [viewMap]

Sample(s) collected for laboratory analysis?	Yes

Sampler

Sampler Name	Meghan Way - GCC Pueblo Environmental Engineer
Sampler's Signature	

SAMPLE(S) COLLECTED FOR LABORATORY ANALYSIS

Sample Submittal Information

LAB SAMPLE 1 OF 1

Details

Method of Sample Collection	MW-23 – Dedicated Proactive Environmental SS Sample Champ XL 12-volt low-flow submersible pump
Lab Sample Name	MW-23
Sample Date/Time	Feb 24, 2025 2:04:00 PM MST
Lab Suite	GW-Compliance
Number of Bottles/Containers	3
Lab Sample Type	Normal

Sample Handling

SAMPLE HANDLING 1 OF 3

Bottle Details

ACZ Labs Bottle Sticker	None
Bottle Volume (mL)	500

Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	No
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, no filtration

SAMPLE HANDLING 2 OF 3

Bottle Details

ACZ Labs Bottle Sticker	White
Bottle Volume (mL)	250
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Raw/None
Analysis	Wet Chemistry - no preservative, field-filtered

SAMPLE HANDLING 3 OF 3

Bottle Details

ACZ Labs Bottle Sticker	Green PC
Bottle Volume (mL)	125
Bottle Composition	Poly
Bottle Quantity	1
Field-Filtered to 0.45 µm (Yes/No)	Yes
Preservative (Type)	Nitric Acid
Analysis	Metals (dissolved including ICPMS) - nitric preserved, field-filtered

Wells - GCC Pueblo Compliance Water Sampling

GCC Pueblo Quarry and Cement Plant
(719) 647-6800
3372 Lime Road
Pueblo, CO 81004
www.gcc.com

Reference Number:	Form Name:
GCC_RGPP-20250409-1314032001-18400323202	**Wells - GCC Pueblo Compliance Water Sampling**
Submitter Name:	Date Sent on Device:
Amy Rodrigues | amy.rodrigues	**Apr 9, 2025 3:26:08 PM MDT**

SITE INFORMATION

Location

Project Site	GCC Rio Grande Pueblo Plant
Sample ID	MW-24
Water present to measure/sample?	Yes
Is the water present within 0.25 feet of the well TD?	No

Wellhead Stick-Up from Ground Level Reference Point to Depth to Water Level Reference Point (ft)	2.8
Static Depth to Water (ft)	112.78
Well Total Depth (ft below top of casing)	113
Depth to Water below ground Surface (ft)	109.98
Well Diameter (In)	2

Misc

Site Photo

Water Quality Meter

Water Quality Meter Make/Model/SN	In-Situ AquaTroll 400 SN 896017
Calibration Date/Time:	Feb 14, 2025 4:09:00 PM MST
Calibration Parameters	Specific Conductivity (SC) pH Oxygen Reduction Potential (ORP) Dissolved Oxygen (DO or RDO)
AquaTroll calibration log generated?	Yes

SAMPLING DETAILS

Weather	Sunny
Air Temperature (°F)	72
Date	Feb 24, 2025
Time	2:24:00 PM MST
Comments	Could only purge 0.15 gal
Insufficient water for parameters/sampling	Yes

Sampler

Sampler Name	Meghan Way - GCC Pueblo Environmental Engineer

Sampler's Signature

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

March 06, 2025

Report to:
Meghan Way
GCC Rio Grande
3372 Lime Road
Pueblo, CO 81004

cc: Landon Beck

Bill to:
Meghan Way
GCC Rio Grande
3372 Lime Road
Pueblo, CO 81004

Project ID:
ACZ Project ID: L93074

Meghan Way:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on February 19, 2025. This project has been assigned to ACZ's project number, L93074. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L93074. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after March 06, 2026. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Sue Webber has reviewed and approved this report.

GCC Rio Grande

March 06, 2025

Project ID:
ACZ Project ID: L93074

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 8 groundwater samples from GCC Rio Grande on February 19, 2025. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L93074. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times except for parameters flagged with "H" flags (H3, HE), received either after the hold time expired or too close to the hold time.

Sample Analysis

These samples were analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The following required further explanation not provided by the Extended Qualifier Report:

1. The below is from WG606545, Qualifier: N1, Applies to: L93074-01 through -04/TOTAL DISSOLVED SOLIDS - Originally assigned duplicate's beaker chipped during analysis. Another batch duplicate was used to assess precision. Method frequency for duplicates was met.

2. The below is from WG607131, Qualifier: N1, Applies to: L93074-06 through -08/FLUORIDE - Quality control sample exceeded method requirements. Samples have been run multiple times and demonstrated consistent results below or near the PQL. It is not believed that increasing dilutions/runs will yield a better result.

GCC Rio Grande
Project ID:
Sample ID: MW-20

ACZ Sample ID: ***L93074-01***
Date Sampled: *02/17/25 11:46*
Date Received: *02/19/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	EPA 200.7	2	<0.14	U		mg/L	0.14	0.5	02/26/25 18:21	wtc
Arsenic, dissolved	EPA 200.8	1	0.00338			mg/L	0.0002	0.001	02/20/25 13:42	gjl
Beryllium, dissolved	EPA 200.7	2	0.020	B		mg/L	0.02	0.1	02/26/25 18:21	wtc
Boron, dissolved	EPA 200.7	2	0.830			mg/L	0.06	0.2	03/03/25 20:05	msp
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/20/25 13:42	gjl
Calcium, dissolved	EPA 200.7	2	8.32		*	mg/L	0.2	1	02/26/25 18:21	wtc
Chromium, dissolved	EPA 200.7	2	<0.04	U		mg/L	0.04	0.1	03/03/25 20:05	msp
Cobalt, dissolved	EPA 200.8	1	0.000131	B		mg/L	0.00005	0.00025	02/20/25 13:42	gjl
Copper, dissolved	EPA 200.7	2	<0.02	U		mg/L	0.02	0.1	02/26/25 18:21	wtc
Iron, dissolved	EPA 200.7	2	<0.12	U		mg/L	0.12	0.3	02/26/25 18:21	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/20/25 13:42	gjl
Lithium, dissolved	EPA 200.7	2	0.197			mg/L	0.016	0.08	02/26/25 18:21	wtc
Magnesium, dissolved	EPA 200.7	2	3.49		*	mg/L	0.4	2	02/26/25 18:21	wtc
Manganese, dissolved	EPA 200.7	2	0.051	B		mg/L	0.02	0.1	02/26/25 18:21	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	02/23/25 14:07	rjw
Nickel, dissolved	EPA 200.7	2	<0.016	U		mg/L	0.016	0.08	02/26/25 18:21	wtc
Potassium, dissolved	EPA 200.7	2	3.49			mg/L	1	2	02/26/25 18:21	wtc
Selenium, dissolved	EPA 200.8	20	<0.002	U	*	mg/L	0.002	0.005	02/26/25 14:25	gjl
Sodium, dissolved	EPA 200.7	2	847		*	mg/L	0.4	2	02/26/25 18:21	wtc
Vanadium, dissolved	EPA 200.7	2	<0.02	U		mg/L	0.02	0.05	02/26/25 18:21	wtc
Zinc, dissolved	EPA 200.7	2	<0.04	U		mg/L	0.04	0.1	02/26/25 18:21	wtc

GCC Rio Grande
Project ID:
Sample ID: MW-20

ACZ Sample ID: ***L93074-01***
Date Sampled: *02/17/25 11:46*
Date Received: *02/19/25*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	535			mg/L	2	20	02/21/25 0:00	asn
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/21/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/21/25 0:00	asn
Total Alkalinity		1	535			mg/L	2	20	02/21/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-6.2			%			03/06/25 0:00	calc
Sum of Anions			43			meq/L			03/06/25 0:00	calc
Sum of Cations			38			meq/L			03/06/25 0:00	calc
Chloride	SM 4500-Cl E-2011	50	1080		*	mg/L	50	100	02/20/25 14:49	jqr
Fluoride	SM 4500-F C-2011	1	2.52			mg/L	0.15	0.35	03/01/25 1:28	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		35			mg/L	0.5	10	03/06/25 0:00	calc
Nitrate as N	Calculation (NO3NO2-NO2)		<0.02	UH		mg/L	0.02	0.1	03/06/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	UH	*	mg/L	0.02	0.1	02/22/25 1:18	pjb
Nitrite as N	EPA 353.2	1	<0.01	UH	*	mg/L	0.01	0.05	02/22/25 1:18	pjb
Residue, Filterable (TDS) @180C	SM 2540 C-2011	2	2310		*	mg/L	40	80	02/21/25 13:05	cm
Sulfate	ASTM D516-07/-11/-16	5	79.4		*	mg/L	5	25	02/21/25 10:33	jqr
TDS (calculated)	Calculation		2350			mg/L			03/06/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.98						03/06/25 0:00	calc

GCC Rio Grande
Project ID:
Sample ID: MW-19

ACZ Sample ID: ***L93074-02***
Date Sampled: *02/17/25 12:10*
Date Received: *02/19/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	EPA 200.7	1	<0.07	U		mg/L	0.07	0.25	02/26/25 18:24	wtc
Arsenic, dissolved	EPA 200.8	1	<0.0002	U		mg/L	0.0002	0.001	02/20/25 13:45	gjl
Beryllium, dissolved	EPA 200.7	1	0.010	B		mg/L	0.01	0.05	02/26/25 18:24	wtc
Boron, dissolved	EPA 200.7	1	0.432			mg/L	0.03	0.1	03/01/25 13:12	msp
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/20/25 13:45	gjl
Calcium, dissolved	EPA 200.7	1	10.2		*	mg/L	0.1	0.5	02/26/25 18:24	wtc
Chromium, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	03/01/25 13:12	msp
Cobalt, dissolved	EPA 200.8	1	0.000058	B		mg/L	0.00005	0.00025	02/20/25 13:45	gjl
Copper, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	02/26/25 18:24	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/26/25 18:24	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/20/25 13:45	gjl
Lithium, dissolved	EPA 200.7	1	0.121			mg/L	0.008	0.04	02/26/25 18:24	wtc
Magnesium, dissolved	EPA 200.7	1	5.14		*	mg/L	0.2	1	02/26/25 18:24	wtc
Manganese, dissolved	EPA 200.7	1	0.013	B		mg/L	0.01	0.05	02/26/25 18:24	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	02/23/25 14:08	rjw
Nickel, dissolved	EPA 200.7	1	<0.008	U		mg/L	0.008	0.04	02/26/25 18:24	wtc
Potassium, dissolved	EPA 200.7	1	2.45			mg/L	0.5	1	02/26/25 18:24	wtc
Selenium, dissolved	EPA 200.8	5	<0.0005	U	*	mg/L	0.0005	0.00125	02/25/25 11:33	gjl
Sodium, dissolved	EPA 200.7	1	466		*	mg/L	0.2	1	02/26/25 18:24	wtc
Vanadium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.025	02/26/25 18:24	wtc
Zinc, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	02/26/25 18:24	wtc

GCC Rio Grande
Project ID:
Sample ID: MW-19

ACZ Sample ID: ***L93074-02***
Date Sampled: *02/17/25 12:10*
Date Received: *02/19/25*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	555			mg/L	2	20	02/21/25 0:00	asn
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/21/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/21/25 0:00	asn
Total Alkalinity		1	555			mg/L	2	20	02/21/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-4.3			%			03/06/25 0:00	calc
Sum of Anions			24.0			meq/L			03/06/25 0:00	calc
Sum of Cations			22			meq/L			03/06/25 0:00	calc
Chloride	SM 4500-Cl E-2011	5	128		*	mg/L	5	10	02/20/25 14:09	jqr
Fluoride	SM 4500-F C-2011	1	1.63			mg/L	0.15	0.35	03/01/25 1:37	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		47			mg/L	0.2	5	03/06/25 0:00	calc
Nitrate as N	Calculation (NO3NO2-NO2)		<0.02	UH		mg/L	0.02	0.1	03/06/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	UH	*	mg/L	0.02	0.1	02/22/25 1:20	pjb
Nitrite as N	EPA 353.2	1	<0.01	UH	*	mg/L	0.01	0.05	02/22/25 1:20	pjb
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1340		*	mg/L	20	40	02/21/25 13:07	cm
Sulfate	ASTM D516-07/-11/-16	25	441		*	mg/L	25	125	02/21/25 10:57	jqr
TDS (calculated)	Calculation		1390			mg/L			03/06/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.96						03/06/25 0:00	calc

GCC Rio Grande
Project ID:
Sample ID: MW-12

ACZ Sample ID: ***L93074-03***
Date Sampled: *02/17/25 12:53*
Date Received: *02/19/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	EPA 200.7	2	<0.14	U		mg/L	0.14	0.5	02/26/25 18:27	wtc
Arsenic, dissolved	EPA 200.8	1	0.00306			mg/L	0.0002	0.001	02/20/25 13:47	gjl
Beryllium, dissolved	EPA 200.7	2	0.020	B		mg/L	0.02	0.1	02/26/25 18:27	wtc
Boron, dissolved	EPA 200.7	2	0.911			mg/L	0.06	0.2	03/01/25 13:15	msp
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/20/25 13:47	gjl
Calcium, dissolved	EPA 200.7	2	19.6		*	mg/L	0.2	1	02/26/25 18:27	wtc
Chromium, dissolved	EPA 200.7	2	<0.04	U		mg/L	0.04	0.1	03/01/25 13:15	msp
Cobalt, dissolved	EPA 200.8	1	0.000363			mg/L	0.00005	0.00025	02/20/25 13:47	gjl
Copper, dissolved	EPA 200.7	2	<0.02	U		mg/L	0.02	0.1	02/26/25 18:27	wtc
Iron, dissolved	EPA 200.7	2	0.140	B		mg/L	0.12	0.3	02/26/25 18:27	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/20/25 13:47	gjl
Lithium, dissolved	EPA 200.7	2	0.227			mg/L	0.016	0.08	02/26/25 18:27	wtc
Magnesium, dissolved	EPA 200.7	2	8.66		*	mg/L	0.4	2	02/26/25 18:27	wtc
Manganese, dissolved	EPA 200.7	2	0.054	B		mg/L	0.02	0.1	02/26/25 18:27	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	02/23/25 14:09	rjw
Nickel, dissolved	EPA 200.7	2	<0.016	U		mg/L	0.016	0.08	02/26/25 18:27	wtc
Potassium, dissolved	EPA 200.7	2	3.90			mg/L	1	2	02/26/25 18:27	wtc
Selenium, dissolved	EPA 200.8	20	<0.002	U	*	mg/L	0.002	0.005	02/26/25 14:28	gjl
Sodium, dissolved	EPA 200.7	2	937		*	mg/L	0.4	2	02/26/25 18:27	wtc
Vanadium, dissolved	EPA 200.7	2	<0.02	U		mg/L	0.02	0.05	02/26/25 18:27	wtc
Zinc, dissolved	EPA 200.7	2	<0.04	U		mg/L	0.04	0.1	02/26/25 18:27	wtc

GCC Rio Grande
Project ID:
Sample ID: MW-12

ACZ Sample ID: ***L93074-03***
Date Sampled: *02/17/25 12:53*
Date Received: *02/19/25*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	608			mg/L	2	20	02/21/25 0:00	asn
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/21/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/21/25 0:00	asn
Total Alkalinity		1	608			mg/L	2	20	02/21/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-2.3			%			03/06/25 0:00	calc
Sum of Anions			45			meq/L			03/06/25 0:00	calc
Sum of Cations			43.0			meq/L			03/06/25 0:00	calc
Chloride	SM 4500-Cl E-2011	50	931		*	mg/L	50	100	02/20/25 14:50	jqr
Fluoride	SM 4500-F C-2011	1	1.85			mg/L	0.15	0.35	03/01/25 1:46	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		85			mg/L	0.5	10	03/06/25 0:00	calc
Nitrate as N	Calculation (NO3NO2-NO2)		<0.02	UH		mg/L	0.02	0.1	03/06/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	UH	*	mg/L	0.02	0.1	02/22/25 1:23	pjb
Nitrite as N	EPA 353.2	1	<0.01	UH	*	mg/L	0.01	0.05	02/22/25 1:23	pjb
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	2660		*	mg/L	20	40	02/21/25 13:10	cm
Sulfate	ASTM D516-07/-11/-16	25	300		*	mg/L	25	125	02/21/25 10:57	jqr
TDS (calculated)	Calculation		2570			mg/L			03/06/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.04						03/06/25 0:00	calc

GCC Rio Grande
Project ID:
Sample ID: MW-11

ACZ Sample ID: ***L93074-04***
Date Sampled: *02/17/25 13:22*
Date Received: *02/19/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	EPA 200.7	2	<0.14	U		mg/L	0.14	0.5	02/26/25 18:30	wtc
Arsenic, dissolved	EPA 200.8	1	<0.0002	U		mg/L	0.0002	0.001	02/20/25 13:49	gjl
Beryllium, dissolved	EPA 200.7	2	0.020	B		mg/L	0.02	0.1	02/26/25 18:30	wtc
Boron, dissolved	EPA 200.7	2	0.449			mg/L	0.06	0.2	03/01/25 13:18	msp
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/20/25 13:49	gjl
Calcium, dissolved	EPA 200.7	2	58.3		*	mg/L	0.2	1	02/26/25 18:30	wtc
Chromium, dissolved	EPA 200.7	2	<0.04	U		mg/L	0.04	0.1	03/01/25 13:18	msp
Cobalt, dissolved	EPA 200.8	1	0.000271			mg/L	0.00005	0.00025	02/20/25 13:49	gjl
Copper, dissolved	EPA 200.7	2	<0.02	U		mg/L	0.02	0.1	02/26/25 18:30	wtc
Iron, dissolved	EPA 200.7	2	<0.12	U		mg/L	0.12	0.3	02/26/25 18:30	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/20/25 13:49	gjl
Lithium, dissolved	EPA 200.7	2	0.201			mg/L	0.016	0.08	02/26/25 18:30	wtc
Magnesium, dissolved	EPA 200.7	2	37.6		*	mg/L	0.4	2	02/26/25 18:30	wtc
Manganese, dissolved	EPA 200.7	2	0.021	B		mg/L	0.02	0.1	02/26/25 18:30	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	02/23/25 14:10	rjw
Nickel, dissolved	EPA 200.7	2	<0.016	U		mg/L	0.016	0.08	02/26/25 18:30	wtc
Potassium, dissolved	EPA 200.7	2	3.92			mg/L	1	2	02/26/25 18:30	wtc
Selenium, dissolved	EPA 200.8	5	0.110		*	mg/L	0.0005	0.00125	02/25/25 11:37	gjl
Sodium, dissolved	EPA 200.7	2	587		*	mg/L	0.4	2	02/26/25 18:30	wtc
Vanadium, dissolved	EPA 200.7	2	<0.02	U		mg/L	0.02	0.05	02/26/25 18:30	wtc
Zinc, dissolved	EPA 200.7	2	<0.04	U		mg/L	0.04	0.1	02/26/25 18:30	wtc

GCC Rio Grande
Project ID:
Sample ID: MW-11

ACZ Sample ID: ***L93074-04***
Date Sampled: *02/17/25 13:22*
Date Received: *02/19/25*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	747			mg/L	2	20	02/21/25 0:00	asn
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/21/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/21/25 0:00	asn
Total Alkalinity		1	747			mg/L	2	20	02/21/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-4.5			%			03/06/25 0:00	calc
Sum of Anions			35			meq/L			03/06/25 0:00	calc
Sum of Cations			32			meq/L			03/06/25 0:00	calc
Chloride	SM 4500-Cl E-2011	5	134		*	mg/L	5	10	02/20/25 14:14	jqr
Fluoride	SM 4500-F C-2011	1	0.89			mg/L	0.15	0.35	03/01/25 1:55	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		300			mg/L	0.5	10	03/06/25 0:00	calc
Nitrate as N	Calculation (NO3NO2-NO2)		<0.02	UH		mg/L	0.02	0.1	03/06/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	UH	*	mg/L	0.02	0.1	02/22/25 1:24	pjb
Nitrite as N	EPA 353.2	1	<0.01	UH	*	mg/L	0.01	0.05	02/22/25 1:24	pjb
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	2120		*	mg/L	20	40	02/21/25 13:13	cm
Sulfate	ASTM D516-07/-11/-16	50	756		*	mg/L	50	250	02/21/25 10:58	jqr
TDS (calculated)	Calculation		2030			mg/L			03/06/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.04						03/06/25 0:00	calc

GCC Rio Grande
Project ID:
Sample ID: MW-8

ACZ Sample ID: ***L93074-05***
Date Sampled: *02/17/25 14:03*
Date Received: *02/19/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	EPA 200.7	1	<0.07	U		mg/L	0.07	0.25	02/26/25 18:33	wtc
Arsenic, dissolved	EPA 200.8	1	0.00035	B		mg/L	0.0002	0.001	02/20/25 13:51	gjl
Beryllium, dissolved	EPA 200.7	1	0.010	B		mg/L	0.01	0.05	02/26/25 18:33	wtc
Boron, dissolved	EPA 200.7	2	0.884			mg/L	0.06	0.2	03/01/25 13:21	msp
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/20/25 13:51	gjl
Calcium, dissolved	EPA 200.7	1	47.4		*	mg/L	0.1	0.5	02/26/25 18:33	wtc
Chromium, dissolved	EPA 200.7	2	<0.04	U		mg/L	0.04	0.1	03/01/25 13:21	msp
Cobalt, dissolved	EPA 200.8	1	0.000198	B		mg/L	0.00005	0.00025	02/20/25 13:51	gjl
Copper, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	02/26/25 18:33	wtc
Iron, dissolved	EPA 200.7	1	0.335			mg/L	0.06	0.15	02/26/25 18:33	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/20/25 13:51	gjl
Lithium, dissolved	EPA 200.7	1	0.334			mg/L	0.008	0.04	02/26/25 18:33	wtc
Magnesium, dissolved	EPA 200.7	1	22.1		*	mg/L	0.2	1	02/26/25 18:33	wtc
Manganese, dissolved	EPA 200.7	1	0.141			mg/L	0.01	0.05	02/26/25 18:33	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	02/23/25 14:13	rjw
Nickel, dissolved	EPA 200.7	1	<0.008	U		mg/L	0.008	0.04	02/26/25 18:33	wtc
Potassium, dissolved	EPA 200.7	1	5.06			mg/L	0.5	1	02/26/25 18:33	wtc
Selenium, dissolved	EPA 200.8	10	0.00116	B	*	mg/L	0.001	0.0025	02/26/25 14:30	gjl
Sodium, dissolved	EPA 200.7	2	1120			mg/L	0.4	2	02/27/25 19:10	msp
Vanadium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.025	02/26/25 18:33	wtc
Zinc, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	02/26/25 18:33	wtc

GCC Rio Grande
Project ID:
Sample ID: MW-8

ACZ Sample ID: ***L93074-05***
Date Sampled: *02/17/25 14:03*
Date Received: *02/19/25*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	1330			mg/L	2	20	02/21/25 0:00	asn
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/21/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/21/25 0:00	asn
Total Alkalinity		1	1330			mg/L	2	20	02/21/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-5.3			%			03/06/25 0:00	calc
Sum of Anions			60			meq/L			03/06/25 0:00	calc
Sum of Cations			54			meq/L			03/06/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	344		*	mg/L	25	50	02/20/25 14:55	jqr
Fluoride	SM 4500-F C-2011	1	1.43			mg/L	0.15	0.35	03/01/25 2:03	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		209			mg/L	0.2	5	03/06/25 0:00	calc
Nitrate as N	Calculation (NO3NO2-NO2)		0.041	BH		mg/L	0.02	0.1	03/06/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.041	BH	*	mg/L	0.02	0.1	02/22/25 1:25	pjb
Nitrite as N	EPA 353.2	1	<0.01	UH	*	mg/L	0.01	0.05	02/22/25 1:25	pjb
Residue, Filterable (TDS) @180C	SM 2540 C-2011	5	3470			mg/L	100	200	02/24/25 10:24	cob
Sulfate	ASTM D516-07/-11/-16	50	1120		*	mg/L	50	250	02/21/25 10:58	jqr
TDS (calculated)	Calculation		3470			mg/L			03/06/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.00						03/06/25 0:00	calc

GCC Rio Grande
Project ID:
Sample ID: MW-7

ACZ Sample ID: ***L93074-06***
Date Sampled: *02/17/25 14:42*
Date Received: *02/19/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	EPA 200.7	1	<0.07	U		mg/L	0.07	0.25	02/26/25 18:42	wtc
Arsenic, dissolved	EPA 200.8	1	0.00025	B		mg/L	0.0002	0.001	02/20/25 13:58	gjl
Beryllium, dissolved	EPA 200.7	1	0.010	B		mg/L	0.01	0.05	02/26/25 18:42	wtc
Boron, dissolved	EPA 200.7	5	0.433	B		mg/L	0.15	0.5	02/27/25 19:13	msp
Cadmium, dissolved	EPA 200.8	1	0.000108	B		mg/L	0.00005	0.00025	02/20/25 13:58	gjl
Calcium, dissolved	EPA 200.7	1	337		*	mg/L	0.1	0.5	02/26/25 18:42	wtc
Chromium, dissolved	EPA 200.7	5	<0.1	U		mg/L	0.1	0.25	02/27/25 19:13	msp
Cobalt, dissolved	EPA 200.8	1	0.00207			mg/L	0.00005	0.00025	02/20/25 13:58	gjl
Copper, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	02/26/25 18:42	wtc
Iron, dissolved	EPA 200.7	1	0.875			mg/L	0.06	0.15	02/26/25 18:42	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/20/25 13:58	gjl
Lithium, dissolved	EPA 200.7	1	0.519			mg/L	0.008	0.04	02/26/25 18:42	wtc
Magnesium, dissolved	EPA 200.7	1	347		*	mg/L	0.2	1	02/26/25 18:42	wtc
Manganese, dissolved	EPA 200.7	1	0.114			mg/L	0.01	0.05	02/26/25 18:42	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	02/23/25 14:14	rjw
Nickel, dissolved	EPA 200.7	1	<0.008	U		mg/L	0.008	0.04	02/26/25 18:42	wtc
Potassium, dissolved	EPA 200.7	1	9.04			mg/L	0.5	1	02/26/25 18:42	wtc
Selenium, dissolved	EPA 200.8	5	<0.0005	U	*	mg/L	0.0005	0.00125	02/26/25 14:32	gjl
Sodium, dissolved	EPA 200.7	1	751		*	mg/L	0.2	1	02/26/25 18:42	wtc
Vanadium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.025	02/26/25 18:42	wtc
Zinc, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	02/26/25 18:42	wtc

GCC Rio Grande
Project ID:
Sample ID: MW-7

ACZ Sample ID: ***L93074-06***
Date Sampled: *02/17/25 14:42*
Date Received: *02/19/25*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	520			mg/L	2	20	02/21/25 0:00	asn
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/21/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/21/25 0:00	asn
Total Alkalinity		1	520			mg/L	2	20	02/21/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-5.4			%			03/06/25 0:00	calc
Sum of Anions			88			meq/L			03/06/25 0:00	calc
Sum of Cations			79			meq/L			03/06/25 0:00	calc
Chloride	SM 4500-Cl E-2011	5	122		*	mg/L	5	10	02/20/25 14:15	jqr
Fluoride	SM 4500-F C-2011	1	0.57		*	mg/L	0.15	0.35	03/05/25 2:14	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		2270			mg/L	0.2	5	03/06/25 0:00	calc
Nitrate as N	Calculation (NO3NO2-NO2)		<0.02	UH		mg/L	0.02	0.1	03/06/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	UH	*	mg/L	0.02	0.1	02/22/25 1:31	pjb
Nitrite as N	EPA 353.2	1	0.015	BH	*	mg/L	0.01	0.05	02/22/25 1:31	pjb
Residue, Filterable (TDS) @180C	SM 2540 C-2011	2	5240			mg/L	40	80	02/24/25 10:27	cob
Sulfate	ASTM D516-07/-11/-16	100	3540		*	mg/L	100	500	02/21/25 10:59	jqr
TDS (calculated)	Calculation		5420			mg/L			03/06/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.97						03/06/25 0:00	calc

GCC Rio Grande
Project ID:
Sample ID: MW-2B

ACZ Sample ID: ***L93074-07***
Date Sampled: *02/17/25 12:00*
Date Received: *02/19/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	EPA 200.7	1	<0.07	U		mg/L	0.07	0.25	02/26/25 18:46	wtc
Arsenic, dissolved	EPA 200.8	1	0.00026	B		mg/L	0.0002	0.001	02/20/25 14:05	gjl
Beryllium, dissolved	EPA 200.7	1	0.010	B		mg/L	0.01	0.05	02/26/25 18:46	wtc
Boron, dissolved	EPA 200.7	5	0.426	B		mg/L	0.15	0.5	02/27/25 19:17	msp
Cadmium, dissolved	EPA 200.8	1	0.000131	B		mg/L	0.00005	0.00025	02/20/25 14:05	gjl
Calcium, dissolved	EPA 200.7	1	337		*	mg/L	0.1	0.5	02/26/25 18:46	wtc
Chromium, dissolved	EPA 200.7	5	<0.1	U		mg/L	0.1	0.25	02/27/25 19:17	msp
Cobalt, dissolved	EPA 200.8	1	0.00202			mg/L	0.00005	0.00025	02/20/25 14:05	gjl
Copper, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	02/26/25 18:46	wtc
Iron, dissolved	EPA 200.7	1	0.854			mg/L	0.06	0.15	02/26/25 18:46	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/20/25 14:05	gjl
Lithium, dissolved	EPA 200.7	1	0.518			mg/L	0.008	0.04	02/26/25 18:46	wtc
Magnesium, dissolved	EPA 200.7	1	346		*	mg/L	0.2	1	02/26/25 18:46	wtc
Manganese, dissolved	EPA 200.7	1	0.113			mg/L	0.01	0.05	02/26/25 18:46	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	02/23/25 14:16	rjw
Nickel, dissolved	EPA 200.7	1	0.0084	B		mg/L	0.008	0.04	02/26/25 18:46	wtc
Potassium, dissolved	EPA 200.7	1	9.04			mg/L	0.5	1	02/26/25 18:46	wtc
Selenium, dissolved	EPA 200.8	5	<0.0005	U	*	mg/L	0.0005	0.00125	02/26/25 14:39	gjl
Sodium, dissolved	EPA 200.7	1	753		*	mg/L	0.2	1	02/26/25 18:46	wtc
Vanadium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.025	02/26/25 18:46	wtc
Zinc, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	02/26/25 18:46	wtc

GCC Rio Grande
Project ID:
Sample ID: MW-2B

ACZ Sample ID: ***L93074-07***
Date Sampled: *02/17/25 12:00*
Date Received: *02/19/25*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	520			mg/L	2	20	02/21/25 0:00	asn
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/21/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/21/25 0:00	asn
Total Alkalinity		1	520			mg/L	2	20	02/21/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			03/06/25 0:00	calc
Sum of Anions			79			meq/L			03/06/25 0:00	calc
Sum of Cations			79			meq/L			03/06/25 0:00	calc
Chloride	SM 4500-Cl E-2011	5	106		*	mg/L	5	10	02/20/25 14:15	jqr
Fluoride	SM 4500-F C-2011	1	0.58		*	mg/L	0.15	0.35	03/05/25 2:18	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		2270			mg/L	0.2	5	03/06/25 0:00	calc
Nitrate as N	Calculation (NO3NO2-NO2)		<0.02	UH		mg/L	0.02	0.1	03/06/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	UH	*	mg/L	0.02	0.1	02/22/25 1:32	pjb
Nitrite as N	EPA 353.2	1	<0.01	UH	*	mg/L	0.01	0.05	02/22/25 1:32	pjb
Residue, Filterable (TDS) @180C	SM 2540 C-2011	2	5560	H	*	mg/L	40	80	02/28/25 21:30	jck
Sulfate	ASTM D516-07/-11/-16	100	3120		*	mg/L	100	500	02/21/25 11:00	jqr
TDS (calculated)	Calculation		4990			mg/L			03/06/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.11						03/06/25 0:00	calc

GCC Rio Grande
Project ID:
Sample ID: MW-6

ACZ Sample ID: ***L93074-08***
Date Sampled: *02/17/25 15:11*
Date Received: *02/19/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	EPA 200.7	1	<0.07	U		mg/L	0.07	0.25	02/26/25 18:55	wtc
Arsenic, dissolved	EPA 200.8	1	0.00257			mg/L	0.0002	0.001	02/20/25 14:07	gjl
Beryllium, dissolved	EPA 200.7	1	0.010	B		mg/L	0.01	0.05	02/26/25 18:55	wtc
Boron, dissolved	EPA 200.7	5	0.368	B		mg/L	0.15	0.5	02/27/25 19:20	msp
Cadmium, dissolved	EPA 200.8	1	0.000113	B		mg/L	0.00005	0.00025	02/20/25 14:07	gjl
Calcium, dissolved	EPA 200.7	1	339		*	mg/L	0.1	0.5	02/26/25 18:55	wtc
Chromium, dissolved	EPA 200.7	5	<0.1	U		mg/L	0.1	0.25	02/27/25 19:20	msp
Cobalt, dissolved	EPA 200.8	1	0.0223			mg/L	0.00005	0.00025	02/20/25 14:07	gjl
Copper, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	02/26/25 18:55	wtc
Iron, dissolved	EPA 200.7	1	1.67			mg/L	0.06	0.15	02/26/25 18:55	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/20/25 14:07	gjl
Lithium, dissolved	EPA 200.7	1	0.397			mg/L	0.008	0.04	02/26/25 18:55	wtc
Magnesium, dissolved	EPA 200.7	1	336		*	mg/L	0.2	1	02/26/25 18:55	wtc
Manganese, dissolved	EPA 200.7	1	0.467			mg/L	0.01	0.05	02/26/25 18:55	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	02/23/25 14:17	rjw
Nickel, dissolved	EPA 200.7	1	0.0480			mg/L	0.008	0.04	02/26/25 18:55	wtc
Potassium, dissolved	EPA 200.7	1	9.20			mg/L	0.5	1	02/26/25 18:55	wtc
Selenium, dissolved	EPA 200.8	5	<0.0005	U	*	mg/L	0.0005	0.00125	02/25/25 11:55	gjl
Sodium, dissolved	EPA 200.7	1	646		*	mg/L	0.2	1	02/26/25 18:55	wtc
Vanadium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.025	02/26/25 18:55	wtc
Zinc, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	02/26/25 18:55	wtc

GCC Rio Grande
Project ID:
Sample ID: MW-6

ACZ Sample ID: ***L93074-08***
Date Sampled: *02/17/25 15:11*
Date Received: *02/19/25*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	445			mg/L	2	20	02/21/25 0:00	asn
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/21/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/21/25 0:00	asn
Total Alkalinity		1	445			mg/L	2	20	02/21/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-0.7			%			03/06/25 0:00	calc
Sum of Anions			74			meq/L			03/06/25 0:00	calc
Sum of Cations			73			meq/L			03/06/25 0:00	calc
Chloride	SM 4500-Cl E-2011	5	96.8		*	mg/L	5	10	02/20/25 14:16	jqr
Fluoride	SM 4500-F C-2011	1	0.53		*	mg/L	0.15	0.35	03/05/25 2:22	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		2230			mg/L	0.2	5	03/06/25 0:00	calc
Nitrate as N	Calculation (NO3NO2-NO2)		<0.02	UH		mg/L	0.02	0.1	03/06/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	UH	*	mg/L	0.02	0.1	02/22/25 1:33	pjb
Nitrite as N	EPA 353.2	1	<0.01	UH	*	mg/L	0.01	0.05	02/22/25 1:33	pjb
Residue, Filterable (TDS) @180C	SM 2540 C-2011	2	4840			mg/L	40	80	02/24/25 10:32	cob
Sulfate	ASTM D516-07/-11/-16	100	2980		*	mg/L	100	500	02/21/25 11:00	jqr
TDS (calculated)	Calculation		4680			mg/L			03/06/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.03						03/06/25 0:00	calc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4) EPA SW-846. Test Methods for Evaluating Solid Waste.
(5) Standard Methods for the Examination of Water and Wastewater.

Comments

(1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5) If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

GCC

ACZ Project ID: ***L93074***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606539													
WG606539PBW1	PBW	02/21/25 13:03				2.9	mg/L		-20	20			
WG606539LCSW3	LCSW	02/21/25 13:15	WC250215-1	820.0001		840.2	mg/L	102	90	110			
WG606539LCSW6	LCSW	02/21/25 16:33	WC250215-1	820.0001		842.8	mg/L	103	90	110			
WG606539PBW2	PBW	02/21/25 16:44				2.5	mg/L		-20	20			
L93074-03DUP	DUP	02/21/25 18:15			608	627.8	mg/L				3	20	
L93097-02DUP	DUP	02/21/25 20:00			161	161.2	mg/L				0	20	
WG606539LCSW9	LCSW	02/21/25 20:17	WC250215-1	820.0001		847.3	mg/L	103	90	110			
WG606539PBW3	PBW	02/21/25 20:27				2.2	mg/L		-20	20			
WG606539LCSW12	LCSW	02/21/25 21:43	WC250215-1	820.0001		852.3	mg/L	104	90	110			

Aluminum, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606802													
WG606802ICV	ICV	02/26/25 17:11	II250212-1	2		1.998	mg/L	100	95	105			
WG606802ICB	ICB	02/26/25 17:17				U	mg/L		-0.15	0.15			
WG606802PQV	PQV	02/26/25 17:20	II250225-3	.250625		.276	mg/L	110	70	130			
WG606802SIC	SIC	02/26/25 17:23	II250225-7	200.750625		201	mg/L	100	1	200			
WG606802LFB	LFB	02/26/25 17:30	II250204-5	1.0025		1.036	mg/L	103	85	115			
WG606802CCV1	CCV	02/26/25 18:00	II250226-1	1		1.003	mg/L	100	90	110			
WG606802CCB1	CCB	02/26/25 18:03				U	mg/L		-0.15	0.15			
WG606802CCV2	CCV	02/26/25 18:36	II250226-1	1		.992	mg/L	99	90	110			
WG606802CCB2	CCB	02/26/25 18:39				U	mg/L		-0.15	0.15			
L93074-07AS	AS	02/26/25 18:49	II250204-5	1.0025	U	1.098	mg/L	110	85	115			
L93074-07ASD	ASD	02/26/25 18:52	II250204-5	1.0025	U	1.114	mg/L	111	85	115	1	20	
WG606802CCV3	CCV	02/26/25 18:58	II250226-1	1		.995	mg/L	100	90	110			
WG606802CCB3	CCB	02/26/25 19:01				U	mg/L		-0.15	0.15			

Arsenic, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606480													
WG606480ICV	ICV	02/20/25 13:27	MS241212-10	.05		.04998	mg/L	100	90	110			
WG606480ICB	ICB	02/20/25 13:29				U	mg/L		-0.00044	0.00044			
WG606480LFB	LFB	02/20/25 13:31	MS250120-3	.0501		.04606	mg/L	92	85	115			
WG606480CCV1	CCV	02/20/25 13:54	MS241213-9	.1002		.10171	mg/L	102	90	110			
WG606480CCB1	CCB	02/20/25 13:56				.00026	mg/L		-0.0006	0.0006			
L93074-06AS	AS	02/20/25 14:00	MS250120-3	.0501	.00025	.05953	mg/L	118	70	130			
L93074-06ASD	ASD	02/20/25 14:03	MS250120-3	.0501	.00025	.05632	mg/L	112	70	130	6	20	
L93076-01AS	AS	02/20/25 14:14	MS250120-3	.0501	U	.05145	mg/L	103	70	130			
L93076-01ASD	ASD	02/20/25 14:16	MS250120-3	.0501	U	.05385	mg/L	107	70	130	5	20	
WG606480CCV2	CCV	02/20/25 14:18	MS241213-9	.1002		.10767	mg/L	107	90	110			
WG606480CCB2	CCB	02/20/25 14:20				U	mg/L		-0.0006	0.0006			

GCC

ACZ Project ID: ***L93074***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Beryllium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606802													
WG606802ICV	ICV	02/26/25 17:11	II250212-1	2		1.906	mg/L	95	95	105			
WG606802ICB	ICB	02/26/25 17:17				.011	mg/L		-0.03	0.03			
WG606802PQV	PQV	02/26/25 17:20	II250225-3	.05005		.058	mg/L	116	70	130			
WG606802SIC	SIC	02/26/25 17:23	II250225-7	.1001		.107	mg/L	107	80	120			
WG606802LFB	LFB	02/26/25 17:30	II250204-5	.5005		.495	mg/L	99	85	115			
WG606802CCV1	CCV	02/26/25 18:00	II250226-1	1		.947	mg/L	95	90	110			
WG606802CCB1	CCB	02/26/25 18:03				.011	mg/L		-0.03	0.03			
WG606802CCV2	CCV	02/26/25 18:36	II250226-1	1		.949	mg/L	95	90	110			
WG606802CCB2	CCB	02/26/25 18:39				.011	mg/L		-0.03	0.03			
L93074-07AS	AS	02/26/25 18:49	II250204-5	.5005	.01	.481	mg/L	94	85	115			
L93074-07ASD	ASD	02/26/25 18:52	II250204-5	.5005	.01	.488	mg/L	96	85	115	1	20	
WG606802CCV3	CCV	02/26/25 18:58	II250226-1	1		.943	mg/L	94	90	110			
WG606802CCB3	CCB	02/26/25 19:01				.011	mg/L		-0.03	0.03			

GCC

ACZ Project ID: ***L93074***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Boron, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606845													
WG606845ICV	ICV	02/27/25 18:06	II250212-1	2		2.091	mg/L	105	95	105			
WG606845ICB	ICB	02/27/25 18:12				U	mg/L		-0.09	0.09			
WG606845PQV	PQV	02/27/25 18:15	II250225-3	.1001		.118	mg/L	118	70	130			
WG606845SIC	SIC	02/27/25 18:18	II250225-7	.1001		.115	mg/L	115	80	120			
WG606845LFB	LFB	02/27/25 18:25	II250204-5	.5005		.515	mg/L	103	85	115			
WG606845CCV1	CCV	02/27/25 18:57	II250204-1	1		1.057	mg/L	106	90	110			
WG606845CCB1	CCB	02/27/25 19:00				U	mg/L		-0.09	0.09			
WG606845CCV2	CCV	02/27/25 19:37	II250204-1	1		1.061	mg/L	106	90	110			
WG606845CCB2	CCB	02/27/25 19:40				U	mg/L		-0.09	0.09			
L93104-01AS	AS	02/27/25 19:50	II250204-5	.5005	U	.545	mg/L	109	85	115			
L93104-01ASD	ASD	02/27/25 19:53	II250204-5	.5005	U	.543	mg/L	108	85	115	0	20	
WG606845CCV3	CCV	02/27/25 19:59	II250204-1	1		1.047	mg/L	105	90	110			
WG606845CCB3	CCB	02/27/25 20:03				U	mg/L		-0.09	0.09			
WG606924													
WG606924ICV	ICV	03/01/25 12:08	II250212-1	2		2.043	mg/L	102	95	105			
WG606924ICB	ICB	03/01/25 12:14				U	mg/L		-0.09	0.09			
WG606924PQV	PQV	03/01/25 12:17	II250225-3	.1001		.099	mg/L	99	70	130			
WG606924SIC	SIC	03/01/25 12:20	II250225-7	.1001		.094	mg/L	94	80	120			
WG606924LFB	LFB	03/01/25 12:26	II250204-5	.5005		.524	mg/L	105	85	115			
WG606924CCV1	CCV	03/01/25 12:57	II250204-1	1		1.012	mg/L	101	90	110			
WG606924CCB1	CCB	03/01/25 13:00				U	mg/L		-0.09	0.09			
WG606924CCV2	CCV	03/01/25 13:34	II250204-1	1		1.006	mg/L	101	90	110			
WG606924CCB2	CCB	03/01/25 13:37				U	mg/L		-0.09	0.09			
L93145-01AS	AS	03/01/25 13:43	II250204-5	.5005	U	.506	mg/L	101	85	115			
L93145-01ASD	ASD	03/01/25 13:46	II250204-5	.5005	U	.529	mg/L	106	85	115	4	20	
WG606924CCV3	CCV	03/01/25 13:55	II250204-1	1		1.017	mg/L	102	90	110			
WG606924CCB3	CCB	03/01/25 13:58				U	mg/L		-0.09	0.09			
WG607022													
WG607022ICV	ICV	03/03/25 18:52	II250212-1	2		2.106	mg/L	105	95	105			
WG607022ICB	ICB	03/03/25 18:58				U	mg/L		-0.09	0.09			
WG607022PQV	PQV	03/03/25 19:01	II250225-3	.1001		.117	mg/L	117	70	130			
WG607022SIC	SIC	03/03/25 19:05	II250225-7	.1001		.113	mg/L	113	80	120			
WG607022LFB	LFB	03/03/25 19:11	II250204-5	.5005		.515	mg/L	103	85	115			
WG607022CCV1	CCV	03/03/25 19:43	II250204-1	1		1.026	mg/L	103	90	110			
WG607022CCB1	CCB	03/03/25 19:46				U	mg/L		-0.09	0.09			
WG607022CCV2	CCV	03/03/25 20:21	II250204-1	1		1.041	mg/L	104	90	110			
WG607022CCB2	CCB	03/03/25 20:24				U	mg/L		-0.09	0.09			
L93221-03AS	AS	03/03/25 20:30	II250204-5	.5005	U	.552	mg/L	110	85	115			
L93221-03ASD	ASD	03/03/25 20:34	II250204-5	.5005	U	.544	mg/L	109	85	115	1	20	
WG607022CCV3	CCV	03/03/25 20:43	II250204-1	1		1.044	mg/L	104	90	110			
WG607022CCB3	CCB	03/03/25 20:46				U	mg/L		-0.09	0.09			

GCC

ACZ Project ID: ***L93074***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Cadmium, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606480													
WG606480ICV	ICV	02/20/25 13:27	MS241212-10	.05		.049476	mg/L	99	90	110			
WG606480ICB	ICB	02/20/25 13:29				U	mg/L		-0.00011	0.00011			
WG606480LFB	LFB	02/20/25 13:31	MS250120-3	.05005		.044517	mg/L	89	85	115			
WG606480CCV1	CCV	02/20/25 13:54	MS241213-9	.1001		.100347	mg/L	100	90	110			
WG606480CCB1	CCB	02/20/25 13:56				U	mg/L		-0.00015	0.00015			
L93074-06AS	AS	02/20/25 14:00	MS250120-3	.05005	.000108	.043718	mg/L	87	70	130			
L93074-06ASD	ASD	02/20/25 14:03	MS250120-3	.05005	.000108	.042703	mg/L	85	70	130	2	20	
L93076-01AS	AS	02/20/25 14:14	MS250120-3	.05005	U	.048896	mg/L	98	70	130			
L93076-01ASD	ASD	02/20/25 14:16	MS250120-3	.05005	U	.051409	mg/L	103	70	130	5	20	
WG606480CCV2	CCV	02/20/25 14:18	MS241213-9	.1001		.105309	mg/L	105	90	110			
WG606480CCB2	CCB	02/20/25 14:20				U	mg/L		-0.00015	0.00015			

Calcium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606802													
WG606802ICV	ICV	02/26/25 17:11	II250212-1	100		96.61	mg/L	97	95	105			
WG606802ICB	ICB	02/26/25 17:17				U	mg/L		-0.3	0.3			
WG606802PQV	PQV	02/26/25 17:20	II250225-3	.5025		.49	mg/L	98	70	130			
WG606802SIC	SIC	02/26/25 17:23	II250225-7	201.5025		195.7	mg/L	97	1	200			
WG606802LFB	LFB	02/26/25 17:30	II250204-5	68.14236		68.66	mg/L	101	85	115			
WG606802CCV1	CCV	02/26/25 18:00	II250226-1	50		47.48	mg/L	95	90	110			
WG606802CCB1	CCB	02/26/25 18:03				U	mg/L		-0.3	0.3			
WG606802CCV2	CCV	02/26/25 18:36	II250226-1	50		47.39	mg/L	95	90	110			
WG606802CCB2	CCB	02/26/25 18:39				U	mg/L		-0.3	0.3			
L93074-07AS	AS	02/26/25 18:49	II250204-5	68.14236	337	391.3	mg/L	80	85	115			M3
L93074-07ASD	ASD	02/26/25 18:52	II250204-5	68.14236	337	395.8	mg/L	86	85	115	1	20	
WG606802CCV3	CCV	02/26/25 18:58	II250226-1	50		47.69	mg/L	95	90	110			
WG606802CCB3	CCB	02/26/25 19:01				U	mg/L		-0.3	0.3			

GCC

ACZ Project ID: ***L93074***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Chloride SM 4500-Cl E-2011

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606470													
WG606470ICV	ICV	02/20/25 11:17	WI250102-6	40		39.18	mg/L	98	90	110			
WG606470ICB	ICB	02/20/25 11:17				U	mg/L						
WG606470CCV1	CCV	02/20/25 13:47	WI241113-1	25		25.08	mg/L	100	90	110			
WG606470CCB1	CCB	02/20/25 13:47				U	mg/L						
WG606470PQV	PQV	02/20/25 13:47	WI250220-1	2		1.9	mg/L	95	50	150			
WG606470LFB	LFB	02/20/25 13:48	WI240820-1	20		20.76	mg/L	104	90	110			
WG606470CCV2	CCV	02/20/25 13:50	WI241113-1	25		25.68	mg/L	103	90	110			
WG606470CCB2	CCB	02/20/25 13:51				U	mg/L						
WG606470CCV3	CCV	02/20/25 13:58	WI241113-1	25		25.44	mg/L	102	90	110			
WG606470CCB3	CCB	02/20/25 13:58				U	mg/L						
WG606470CCV4	CCV	02/20/25 14:07	WI241113-1	25		25.38	mg/L	102	90	110			
WG606470CCB4	CCB	02/20/25 14:07				U	mg/L						
WG606470CCV5	CCV	02/20/25 14:12	WI241113-1	25		23.63	mg/L	95	90	110			
WG606470CCB5	CCB	02/20/25 14:12				U	mg/L						
WG606470CCV6	CCV	02/20/25 14:16	WI241113-1	25		25.41	mg/L	102	90	110			
WG606470CCB6	CCB	02/20/25 14:16				U	mg/L						
L93074-08AS	AS	02/20/25 14:17	5XCL GAL	20	96.8	114.41	mg/L	88	90	110			M3
L93074-08ASD	ASD	02/20/25 14:22	5XCL GAL	20	96.8	114.85	mg/L	90	90	110	0	20	
WG606470CCV7	CCV	02/20/25 14:22	WI241113-1	25		25.25	mg/L	101	90	110			
WG606470CCB7	CCB	02/20/25 14:23				U	mg/L						
WG606470CCV8	CCV	02/20/25 14:46	WI241113-1	25		24.4	mg/L	98	90	110			
WG606470CCB8	CCB	02/20/25 14:46				U	mg/L						
WG606470CCV9	CCV	02/20/25 14:55	WI241113-1	25		25.4	mg/L	102	90	110			
WG606470CCB9	CCB	02/20/25 14:55				U	mg/L						

GCC

ACZ Project ID: ***L93074***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Chromium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606845													
WG606845ICV	ICV	02/27/25 18:06	II250212-1	2		1.946	mg/L	97	95	105			
WG606845ICB	ICB	02/27/25 18:12				U	mg/L		-0.06	0.06			
WG606845PQV	PQV	02/27/25 18:15	II250225-3	.0501		.059	mg/L	118	70	130			
WG606845SIC	SIC	02/27/25 18:18	II250225-7	.1002		.097	mg/L	97	80	120			
WG606845LFB	LFB	02/27/25 18:25	II250204-5	.501		.493	mg/L	98	85	115			
WG606845CCV1	CCV	02/27/25 18:57	II250204-1	1		.99	mg/L	99	90	110			
WG606845CCB1	CCB	02/27/25 19:00				U	mg/L		-0.06	0.06			
WG606845CCV2	CCV	02/27/25 19:37	II250204-1	1		.983	mg/L	98	90	110			
WG606845CCB2	CCB	02/27/25 19:40				U	mg/L		-0.06	0.06			
L93104-01AS	AS	02/27/25 19:50	II250204-5	.501	U	.502	mg/L	100	85	115			
L93104-01ASD	ASD	02/27/25 19:53	II250204-5	.501	U	.505	mg/L	101	85	115	1	20	
WG606845CCV3	CCV	02/27/25 19:59	II250204-1	1		.976	mg/L	98	90	110			
WG606845CCB3	CCB	02/27/25 20:03				U	mg/L		-0.06	0.06			
WG606924													
WG606924ICV	ICV	03/01/25 12:08	II250212-1	2		1.928	mg/L	96	95	105			
WG606924ICB	ICB	03/01/25 12:14				U	mg/L		-0.06	0.06			
WG606924PQV	PQV	03/01/25 12:17	II250225-3	.0501		.046	mg/L	92	70	130			
WG606924SIC	SIC	03/01/25 12:20	II250225-7	.1002		.094	mg/L	94	80	120			
WG606924LFB	LFB	03/01/25 12:26	II250204-5	.501		.515	mg/L	103	85	115			
WG606924CCV1	CCV	03/01/25 12:57	II250204-1	1		.966	mg/L	97	90	110			
WG606924CCB1	CCB	03/01/25 13:00				U	mg/L		-0.06	0.06			
WG606924CCV2	CCV	03/01/25 13:34	II250204-1	1		.968	mg/L	97	90	110			
WG606924CCB2	CCB	03/01/25 13:37				U	mg/L		-0.06	0.06			
L93145-01AS	AS	03/01/25 13:43	II250204-5	.501	U	.498	mg/L	99	85	115			
L93145-01ASD	ASD	03/01/25 13:46	II250204-5	.501	U	.518	mg/L	103	85	115	4	20	
WG606924CCV3	CCV	03/01/25 13:55	II250204-1	1		.975	mg/L	98	90	110			
WG606924CCB3	CCB	03/01/25 13:58				U	mg/L		-0.06	0.06			
WG607022													
WG607022ICV	ICV	03/03/25 18:52	II250212-1	2		1.955	mg/L	98	95	105			
WG607022ICB	ICB	03/03/25 18:58				U	mg/L		-0.06	0.06			
WG607022PQV	PQV	03/03/25 19:01	II250225-3	.0501		.061	mg/L	122	70	130			
WG607022SIC	SIC	03/03/25 19:05	II250225-7	.1002		.097	mg/L	97	80	120			
WG607022LFB	LFB	03/03/25 19:11	II250204-5	.501		.507	mg/L	101	85	115			
WG607022CCV1	CCV	03/03/25 19:43	II250204-1	1		.971	mg/L	97	90	110			
WG607022CCB1	CCB	03/03/25 19:46				U	mg/L		-0.06	0.06			
WG607022CCV2	CCV	03/03/25 20:21	II250204-1	1		.988	mg/L	99	90	110			
WG607022CCB2	CCB	03/03/25 20:24				U	mg/L		-0.06	0.06			
L93221-03AS	AS	03/03/25 20:30	II250204-5	.501	U	.517	mg/L	103	85	115			
L93221-03ASD	ASD	03/03/25 20:34	II250204-5	.501	U	.52	mg/L	104	85	115	1	20	
WG607022CCV3	CCV	03/03/25 20:43	II250204-1	1		.986	mg/L	99	90	110			
WG607022CCB3	CCB	03/03/25 20:46				U	mg/L		-0.06	0.06			

GCC

ACZ Project ID: ***L93074***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Cobalt, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606480													
WG606480ICV	ICV	02/20/25 13:27	MS241212-10	.05		.049731	mg/L	99	90	110			
WG606480ICB	ICB	02/20/25 13:29				U	mg/L		-0.00011	0.00011			
WG606480LFB	LFB	02/20/25 13:31	MS250120-3	.05005		.044902	mg/L	90	85	115			
WG606480CCV1	CCV	02/20/25 13:54	MS241213-9	.1001		.100057	mg/L	100	90	110			
WG606480CCB1	CCB	02/20/25 13:56				U	mg/L		-0.00015	0.00015			
L93074-06AS	AS	02/20/25 14:00	MS250120-3	.05005	.00207	.043498	mg/L	83	70	130			
L93074-06ASD	ASD	02/20/25 14:03	MS250120-3	.05005	.00207	.042914	mg/L	82	70	130	1	20	
L93076-01AS	AS	02/20/25 14:14	MS250120-3	.05005	.000103	.046538	mg/L	93	70	130			
L93076-01ASD	ASD	02/20/25 14:16	MS250120-3	.05005	.000103	.048083	mg/L	96	70	130	3	20	
WG606480CCV2	CCV	02/20/25 14:18	MS241213-9	.1001		.104529	mg/L	104	90	110			
WG606480CCB2	CCB	02/20/25 14:20				U	mg/L		-0.00015	0.00015			

Copper, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606802													
WG606802ICV	ICV	02/26/25 17:11	II250212-1	2		1.931	mg/L	97	95	105			
WG606802ICB	ICB	02/26/25 17:17				U	mg/L		-0.03	0.03			
WG606802PQV	PQV	02/26/25 17:20	II250225-3	.05005		.056	mg/L	112	70	130			
WG606802SIC	SIC	02/26/25 17:23	II250225-7	.1001		.106	mg/L	106	80	120			
WG606802LFB	LFB	02/26/25 17:30	II250204-5	.5005		.489	mg/L	98	85	115			
WG606802CCV1	CCV	02/26/25 18:00	II250226-1	1		.95	mg/L	95	90	110			
WG606802CCB1	CCB	02/26/25 18:03				U	mg/L		-0.03	0.03			
WG606802CCV2	CCV	02/26/25 18:36	II250226-1	1		.956	mg/L	96	90	110			
WG606802CCB2	CCB	02/26/25 18:39				U	mg/L		-0.03	0.03			
L93074-07AS	AS	02/26/25 18:49	II250204-5	.5005	U	.502	mg/L	100	85	115			
L93074-07ASD	ASD	02/26/25 18:52	II250204-5	.5005	U	.51	mg/L	102	85	115	2	20	
WG606802CCV3	CCV	02/26/25 18:58	II250226-1	1		.956	mg/L	96	90	110			
WG606802CCB3	CCB	02/26/25 19:01				U	mg/L		-0.03	0.03			

GCC

ACZ Project ID: ***L93074***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Fluoride SM 4500-F C-2011

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606898													
WG606898ICV	ICV	02/28/25 16:26	WC250227-1	2		2.05	mg/L	103	90	110			
WG606898ICB	ICB	02/28/25 16:32				U	mg/L		-0.3	0.3			
WG606895													
WG606895ICV	ICV	02/28/25 23:15	WC250227-1	2		2.02	mg/L	101	90	110			
WG606895ICB	ICB	02/28/25 23:21				U	mg/L		-0.3	0.3			
WG606895PQV	PQV	02/28/25 23:30	WC250120-1	.35		.31	mg/L	89	50	150			
WG606895LFB1	LFB	02/28/25 23:37	WC241104-8	5		4.89	mg/L	98	90	110			
WG606895CCV1	CCV	03/01/25 0:42	WC250227-1	2		1.997	mg/L	100	90	110			
WG606895CCB1	CCB	03/01/25 0:46				U	mg/L		-0.3	0.3			
WG606895CCV2	CCV	03/01/25 2:08	WC250227-1	2		2.055	mg/L	103	90	110			
WG606895CCB2	CCB	03/01/25 2:12				U	mg/L		-0.3	0.3			
WG606895LFB2	LFB	03/01/25 2:38	WC241104-8	5		5.43	mg/L	109	90	110			
L93184-03AS	AS	03/01/25 2:51	WC241104-8	5	U	5.05	mg/L	101	90	110			
L93184-03ASD	ASD	03/01/25 2:54	WC241104-8	5	U	5.22	mg/L	104	90	110	3	20	
WG606895CCV3	CCV	03/01/25 3:20	WC250227-1	2		4.069	mg/L	203	90	110			VC
WG606895CCB3	CCB	03/01/25 3:25				U	mg/L		-0.3	0.3			
WG606895CCV4	CCV	03/01/25 4:44	WC250227-1	2		1.969	mg/L	98	90	110			
WG606895CCB4	CCB	03/01/25 4:48				U	mg/L		-0.3	0.3			
WG606895CCV5	CCV	03/01/25 6:05	WC250227-1	2		1.975	mg/L	99	90	110			
WG606895CCB5	CCB	03/01/25 6:10				U	mg/L		-0.3	0.3			
WG607108													
WG607108ICV	ICV	03/04/25 12:28	WC250227-1	2		2.1	mg/L	105	90	110			
WG607108ICB	ICB	03/04/25 12:34				U	mg/L		-0.3	0.3			
WG607131													
WG607131ICV	ICV	03/04/25 20:47	WC250227-1	2		1.91	mg/L	96	90	110			
WG607131ICB	ICB	03/04/25 20:52				U	mg/L		-0.3	0.3			
WG607131PQV	PQV	03/04/25 20:56	WC250120-1	.35		.37	mg/L	106	50	150			
WG607131LFB1	LFB	03/04/25 20:59	WC241104-8	5		5.48	mg/L	110	90	110			
WG607131CCV1	CCV	03/04/25 22:00	WC250227-1	2		1.914	mg/L	96	90	110			
WG607131CCB1	CCB	03/04/25 22:04				U	mg/L		-0.3	0.3			
WG607131CCV2	CCV	03/04/25 23:12	WC250227-1	2		2.391	mg/L	120	90	110			VC
WG607131CCB2	CCB	03/04/25 23:20				U	mg/L		-0.3	0.3			
WG607131LFB2	LFB	03/05/25 0:03	WC241104-8	5		5.92	mg/L	118	90	110			LA N1
WG607131CCV3	CCV	03/05/25 0:32	WC250227-1	2		2.326	mg/L	116	90	110			VC
WG607131CCB3	CCB	03/05/25 0:40				U	mg/L		-0.3	0.3			
L92857-03AS	AS	03/05/25 1:52	WC241104-8	5	.4	6.11	mg/L	114	90	110			M1
WG607131CCV4	CCV	03/05/25 1:55	WC250227-1	2		2.305	mg/L	115	90	110			VC
WG607131CCB4	CCB	03/05/25 2:03				U	mg/L		-0.3	0.3			
L92857-03ASD	ASD	03/05/25 2:07	WC241104-8	5	.4	5.97	mg/L	111	90	110	2	20	M1
WG607131CCB5	CCB	03/05/25 2:52				U	mg/L		-0.3	0.3			

GCC

ACZ Project ID: ***L93074***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Iron, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606802													
WG606802ICV	ICV	02/26/25 17:11	II250212-1	2		1.941	mg/L	97	95	105			
WG606802ICB	ICB	02/26/25 17:17				U	mg/L		-0.18	0.18			
WG606802PQV	PQV	02/26/25 17:20	II250225-3	.15045		.167	mg/L	111	70	130			
WG606802SIC	SIC	02/26/25 17:23	II250225-7	200.75045		190.5	mg/L	95	1	200			
WG606802LFB	LFB	02/26/25 17:30	II250204-5	1.003		.999	mg/L	100	85	115			
WG606802CCV1	CCV	02/26/25 18:00	II250226-1	1		.992	mg/L	99	90	110			
WG606802CCB1	CCB	02/26/25 18:03				U	mg/L		-0.18	0.18			
WG606802CCV2	CCV	02/26/25 18:36	II250226-1	1		.98	mg/L	98	90	110			
WG606802CCB2	CCB	02/26/25 18:39				U	mg/L		-0.18	0.18			
L93074-07AS	AS	02/26/25 18:49	II250204-5	1.003	.854	1.785	mg/L	93	85	115			
L93074-07ASD	ASD	02/26/25 18:52	II250204-5	1.003	.854	1.809	mg/L	95	85	115	1	20	
WG606802CCV3	CCV	02/26/25 18:58	II250226-1	1		.98	mg/L	98	90	110			
WG606802CCB3	CCB	02/26/25 19:01				U	mg/L		-0.18	0.18			

Lead, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606480													
WG606480ICV	ICV	02/20/25 13:27	MS241212-10	.05		.04952	mg/L	99	90	110			
WG606480ICB	ICB	02/20/25 13:29				U	mg/L		-0.00022	0.00022			
WG606480LFB	LFB	02/20/25 13:31	MS250120-3	.05005		.04458	mg/L	89	85	115			
WG606480CCV1	CCV	02/20/25 13:54	MS241213-9	.25025		.25723	mg/L	103	90	110			
WG606480CCB1	CCB	02/20/25 13:56				U	mg/L		-0.0003	0.0003			
L93074-06AS	AS	02/20/25 14:00	MS250120-3	.05005	U	.03941	mg/L	79	70	130			
L93074-06ASD	ASD	02/20/25 14:03	MS250120-3	.05005	U	.03889	mg/L	78	70	130	1	20	
L93076-01AS	AS	02/20/25 14:14	MS250120-3	.05005	U	.04555	mg/L	91	70	130			
L93076-01ASD	ASD	02/20/25 14:16	MS250120-3	.05005	U	.04789	mg/L	96	70	130	5	20	
WG606480CCV2	CCV	02/20/25 14:18	MS241213-9	.25025		.26617	mg/L	106	90	110			
WG606480CCB2	CCB	02/20/25 14:20				U	mg/L		-0.0003	0.0003			

Lithium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606802													
WG606802ICV	ICV	02/26/25 17:11	II250212-1	2		1.9468	mg/L	97	95	105			
WG606802ICB	ICB	02/26/25 17:17				.0089	mg/L		-0.024	0.024			
WG606802PQV	PQV	02/26/25 17:20	II250225-3	.04004		.047	mg/L	117	70	130			
WG606802SIC	SIC	02/26/25 17:23	II250225-7	.1001		.1088	mg/L	109	80	120			
WG606802LFB	LFB	02/26/25 17:30	II250204-5	1.001		.9639	mg/L	96	85	115			
WG606802CCV1	CCV	02/26/25 18:00	II250226-1	1		.9591	mg/L	96	90	110			
WG606802CCB1	CCB	02/26/25 18:03				.0094	mg/L		-0.024	0.024			
WG606802CCV2	CCV	02/26/25 18:36	II250226-1	1		.9641	mg/L	96	90	110			
WG606802CCB2	CCB	02/26/25 18:39				.0099	mg/L		-0.024	0.024			
L93074-07AS	AS	02/26/25 18:49	II250204-5	1.001	.518	1.495	mg/L	98	85	115			
L93074-07ASD	ASD	02/26/25 18:52	II250204-5	1.001	.518	1.523	mg/L	100	85	115	2	20	
WG606802CCV3	CCV	02/26/25 18:58	II250226-1	1		.9563	mg/L	96	90	110			
WG606802CCB3	CCB	02/26/25 19:01				.0103	mg/L		-0.024	0.024			

GCC

ACZ Project ID: ***L93074***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Magnesium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606802													
WG606802ICV	ICV	02/26/25 17:11	II250212-1	100		96.84	mg/L	97	95	105			
WG606802ICB	ICB	02/26/25 17:17				U	mg/L		-0.6	0.6			
WG606802PQV	PQV	02/26/25 17:20	II250225-3	1.0087		1.02	mg/L	101	70	130			
WG606802SIC	SIC	02/26/25 17:23	II250225-7	202.7487		202.1	mg/L	100	1	200			
WG606802LFB	LFB	02/26/25 17:30	II250204-5	49.92945		49.92	mg/L	100	85	115			
WG606802CCV1	CCV	02/26/25 18:00	II250226-1	50		47.66	mg/L	95	90	110			
WG606802CCB1	CCB	02/26/25 18:03				U	mg/L		-0.6	0.6			
WG606802CCV2	CCV	02/26/25 18:36	II250226-1	50		47.5	mg/L	95	90	110			
WG606802CCB2	CCB	02/26/25 18:39				U	mg/L		-0.6	0.6			
L93074-07AS	AS	02/26/25 18:49	II250204-5	49.92945	346	385.1	mg/L	78	85	115			M3
L93074-07ASD	ASD	02/26/25 18:52	II250204-5	49.92945	346	391	mg/L	90	85	115	2	20	
WG606802CCV3	CCV	02/26/25 18:58	II250226-1	50		47.61	mg/L	95	90	110			
WG606802CCB3	CCB	02/26/25 19:01				U	mg/L		-0.6	0.6			

Manganese, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606802													
WG606802ICV	ICV	02/26/25 17:11	II250212-1	2		1.929	mg/L	96	95	105			
WG606802ICB	ICB	02/26/25 17:17				U	mg/L		-0.03	0.03			
WG606802PQV	PQV	02/26/25 17:20	II250225-3	.0498		.056	mg/L	112	70	130			
WG606802SIC	SIC	02/26/25 17:23	II250225-7	50.4498		46.71	mg/L	93	1	200			
WG606802LFB	LFB	02/26/25 17:30	II250204-5	.504		.495	mg/L	98	85	115			
WG606802CCV1	CCV	02/26/25 18:00	II250226-1	1		.972	mg/L	97	90	110			
WG606802CCB1	CCB	02/26/25 18:03				U	mg/L		-0.03	0.03			
WG606802CCV2	CCV	02/26/25 18:36	II250226-1	1		.965	mg/L	97	90	110			
WG606802CCB2	CCB	02/26/25 18:39				U	mg/L		-0.03	0.03			
L93074-07AS	AS	02/26/25 18:49	II250204-5	.504	.113	.591	mg/L	95	85	115			
L93074-07ASD	ASD	02/26/25 18:52	II250204-5	.504	.113	.6	mg/L	97	85	115	2	20	
WG606802CCV3	CCV	02/26/25 18:58	II250226-1	1		.966	mg/L	97	90	110			
WG606802CCB3	CCB	02/26/25 19:01				U	mg/L		-0.03	0.03			

Mercury, dissolved EPA 245.1

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606569													
WG606569ICV	ICV	02/23/25 13:48	HG241210-3	.00501		.00506	mg/L	101	95	105			
WG606569ICB	ICB	02/23/25 13:49				U	mg/L		-0.0002	0.0002			
WG606569PQV	PQV	02/23/25 13:50	HG250205-13	.001001		.00093	mg/L	93	70	130			
WG606569LRB	LRB	02/23/25 13:51				U	mg/L		-0.00044	0.00044			
WG606569LFB	LFB	02/23/25 13:52	HG250205-14	.002002		.00187	mg/L	93	85	115			
WG606569CCV1	CCV	02/23/25 13:59	HG241210-3	.00501		.00512	mg/L	102	90	110			
WG606569CCB1	CCB	02/23/25 14:00				U	mg/L		-0.0002	0.0002			
WG606569CCV2	CCV	02/23/25 14:11	HG241210-3	.00501		.0052	mg/L	104	90	110			
WG606569CCB2	CCB	02/23/25 14:12				U	mg/L		-0.0002	0.0002			
L93074-06LFM	LFM	02/23/25 14:15	HG250205-14	.002002	U	.00189	mg/L	94	85	115			
L93074-06LFMD	LFMD	02/23/25 14:15	HG250205-14	.002002	U	.00186	mg/L	93	85	115	2	20	
WG606569CCV3	CCV	02/23/25 14:19	HG241210-3	.00501		.00505	mg/L	101	90	110			
WG606569CCB3	CCB	02/23/25 14:20				U	mg/L		-0.0002	0.0002			

GCC

ACZ Project ID: ***L93074***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Nickel, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606802													
WG606802ICV	ICV	02/26/25 17:11	II250212-1	2.004		1.979	mg/L	99	95	105			
WG606802ICB	ICB	02/26/25 17:17				U	mg/L		-0.024	0.024			
WG606802PQV	PQV	02/26/25 17:20	II250225-3	.04004		.0387	mg/L	97	70	130			
WG606802SIC	SIC	02/26/25 17:23	II250225-7	.1001		.0933	mg/L	93	80	120			
WG606802LFB	LFB	02/26/25 17:30	II250204-5	.5005		.4904	mg/L	98	85	115			
WG606802CCV1	CCV	02/26/25 18:00	II250226-1	1.002		.9728	mg/L	97	90	110			
WG606802CCB1	CCB	02/26/25 18:03				U	mg/L		-0.024	0.024			
WG606802CCV2	CCV	02/26/25 18:36	II250226-1	1.002		.9757	mg/L	97	90	110			
WG606802CCB2	CCB	02/26/25 18:39				U	mg/L		-0.024	0.024			
L93074-07AS	AS	02/26/25 18:49	II250204-5	.5005	.0084	.4797	mg/L	94	85	115			
L93074-07ASD	ASD	02/26/25 18:52	II250204-5	.5005	.0084	.4865	mg/L	96	85	115	1	20	
WG606802CCV3	CCV	02/26/25 18:58	II250226-1	1.002		.9799	mg/L	98	90	110			
WG606802CCB3	CCB	02/26/25 19:01				U	mg/L		-0.024	0.024			

Nitrate/Nitrite as N EPA 353.2

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606558													
WG606558ICV	ICV	02/22/25 1:11	WI250128-7	2.416		2.47	mg/L	102	90	110			
WG606558ICB	ICB	02/22/25 1:13				U	mg/L		-0.02	0.02			
WG606558LFB	LFB	02/22/25 1:16	WI250201-3	2		2.081	mg/L	104	90	110			
L93074-01AS	AS	02/22/25 1:19	WI250201-3	2	U	2.103	mg/L	105	90	110			
L93074-02DUP	DUP	02/22/25 1:21			U	U	mg/L				0	20	RA
WG606558CCV1	CCV	02/22/25 1:26	WI250218-1	2		1.971	mg/L	99	90	110			
WG606558CCB1	CCB	02/22/25 1:29				U	mg/L		-0.02	0.02			
WG606558CCV2	CCV	02/22/25 1:43	WI250218-1	2		1.983	mg/L	99	90	110			
WG606558CCB2	CCB	02/22/25 1:46				U	mg/L		-0.02	0.02			
WG606558CCV3	CCV	02/22/25 2:00	WI250218-1	2		1.985	mg/L	99	90	110			
WG606558CCB3	CCB	02/22/25 2:03				U	mg/L		-0.02	0.02			
WG606558CCV4	CCV	02/22/25 2:09	WI250218-1	2		1.981	mg/L	99	90	110			
WG606558CCB4	CCB	02/22/25 2:12				U	mg/L		-0.02	0.02			

Nitrite as N EPA 353.2

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606558													
WG606558ICV	ICV	02/22/25 1:11	WI250128-7	.609		.631	mg/L	104	90	110			
WG606558ICB	ICB	02/22/25 1:13				U	mg/L		-0.01	0.01			
WG606558LFB	LFB	02/22/25 1:16	WI250201-3	1		1.053	mg/L	105	90	110			
L93074-01AS	AS	02/22/25 1:19	WI250201-3	1	U	1.069	mg/L	107	90	110			
L93074-02DUP	DUP	02/22/25 1:21			U	U	mg/L				0	20	RA
WG606558CCV1	CCV	02/22/25 1:26	WI250218-1	1		.976	mg/L	98	90	110			
WG606558CCB1	CCB	02/22/25 1:29				U	mg/L		-0.01	0.01			
WG606558CCV2	CCV	02/22/25 1:43	WI250218-1	1		.991	mg/L	99	90	110			
WG606558CCB2	CCB	02/22/25 1:46				U	mg/L		-0.01	0.01			
WG606558CCV3	CCV	02/22/25 2:00	WI250218-1	1		1	mg/L	100	90	110			
WG606558CCB3	CCB	02/22/25 2:03				U	mg/L		-0.01	0.01			
WG606558CCV4	CCV	02/22/25 2:09	WI250218-1	1		.995	mg/L	100	90	110			
WG606558CCB4	CCB	02/22/25 2:12				U	mg/L		-0.01	0.01			

GCC

ACZ Project ID: ***L93074***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Potassium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606802													
WG606802ICV	ICV	02/26/25 17:11	II250212-1	20		19.47	mg/L	97	95	105			
WG606802ICB	ICB	02/26/25 17:17				U	mg/L		-1.5	1.5			
WG606802PQV	PQV	02/26/25 17:20	II250225-3	1.002		1.08	mg/L	108	70	130			
WG606802SIC	SIC	02/26/25 17:23	II250225-7	1.002		1.09	mg/L	109	80	120			
WG606802LFB	LFB	02/26/25 17:30	II250204-5	100.0671		100.1	mg/L	100	85	115			
WG606802CCV1	CCV	02/26/25 18:00	II250226-1	10		9.65	mg/L	97	90	110			
WG606802CCB1	CCB	02/26/25 18:03				U	mg/L		-1.5	1.5			
WG606802CCV2	CCV	02/26/25 18:36	II250226-1	10		9.64	mg/L	96	90	110			
WG606802CCB2	CCB	02/26/25 18:39				U	mg/L		-1.5	1.5			
L93074-07AS	AS	02/26/25 18:49	II250204-5	100.0671	9.04	114.2	mg/L	105	85	115			
L93074-07ASD	ASD	02/26/25 18:52	II250204-5	100.0671	9.04	116.5	mg/L	107	85	115	2	20	
WG606802CCV3	CCV	02/26/25 18:58	II250226-1	10		9.65	mg/L	97	90	110			
WG606802CCB3	CCB	02/26/25 19:01				U	mg/L		-1.5	1.5			

Residue, Filterable (TDS) @180C SM 2540 C-2011

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606545													
WG606545PBW	PBW	02/21/25 13:00				U	mg/L		-20	20			
WG606545LCSW	LCSW	02/21/25 13:02	PCN627748	1000		992	mg/L	99	90	110			
L93104-02DUP	DUP	02/21/25 14:00			1020	1010	mg/L				1	10	
WG606602													
WG606602PBW	PBW	02/24/25 9:40				U	mg/L		-20	20			
WG606602LCSW	LCSW	02/24/25 9:42	PCN627748	1000		998	mg/L	100	90	110			
L93079-02DUP	DUP	02/24/25 10:40			6630	6860	mg/L				3	10	
WG606963													
WG606963PBW	PBW	02/28/25 21:20				U	mg/L		-20	20			
WG606963LCSW	LCSW	02/28/25 21:22	PCN627532	1000		1004	mg/L	100	90	110			
L93248-02DUP	DUP	02/28/25 21:51			94	88	mg/L				7	10	RA

GCC

ACZ Project ID: ***L93074***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Selenium, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606657													
WG606657ICV	ICV	02/25/25 11:15	MS241212-10	.05		.05143	mg/L	103	90	110			
WG606657ICB	ICB	02/25/25 11:17				.00014	mg/L		-0.00022	0.00022			
WG606657LFB	LFB	02/25/25 11:19	MS250120-3	.05005		.0443	mg/L	89	85	115			
WG606657CCV1	CCV	02/25/25 11:42	MS250126-4	.1001		.1004	mg/L	100	90	110			
WG606657CCB1	CCB	02/25/25 11:44				.00039	mg/L		-0.0003	0.0003			BB BE
L93074-06AS	AS	02/25/25 11:48	MS250120-3	.25025	.00053	.25353	mg/L	101	70	130			
L93074-06ASD	ASD	02/25/25 11:51	MS250120-3	.25025	.00053	.2647	mg/L	106	70	130	4	20	
WG606657CCV2	CCV	02/25/25 12:09	MS250126-4	.1001		.09356	mg/L	93	90	110			
WG606657CCB2	CCB	02/25/25 12:11				.00021	mg/L		-0.0003	0.0003			
L93104-02AS	AS	02/25/25 12:20	MS250120-3	.05005	U	.05772	mg/L	115	70	130			
L93104-02ASD	ASD	02/25/25 12:22	MS250120-3	.05005	U	.05936	mg/L	119	70	130	3	20	
WG606657CCV3	CCV	02/25/25 12:27	MS250126-4	.1001		.0983	mg/L	98	90	110			
WG606709													
WG606709ICV	ICV	02/26/25 13:54	MS241212-10	.05		.05156	mg/L	103	90	110			
WG606709ICB	ICB	02/26/25 13:56				U	mg/L		-0.00022	0.00022			
WG606709LFB	LFB	02/26/25 13:58	MS250120-3	.05005		.048	mg/L	96	85	115			
WG606709CCV1	CCV	02/26/25 14:21	MS250126-4	.1001		.10308	mg/L	103	90	110			
WG606709CCB1	CCB	02/26/25 14:23				.00017	mg/L		-0.0003	0.0003			
L93074-06AS	AS	02/26/25 14:34	MS250120-3	.25025	U	.24881	mg/L	99	70	130			
L93074-06ASD	ASD	02/26/25 14:37	MS250120-3	.25025	U	.2553	mg/L	102	70	130	3	20	
WG606709CCV2	CCV	02/26/25 14:41	MS250126-4	.1001		.10037	mg/L	100	90	110			
WG606709CCB2	CCB	02/26/25 14:43				.00017	mg/L		-0.0003	0.0003			

GCC

ACZ Project ID: ***L93074***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sodium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606802													
WG606802ICV	ICV	02/26/25 17:11	II250212-1	100		99.14	mg/L	99	95	105			
WG606802ICB	ICB	02/26/25 17:17				U	mg/L		-0.6	0.6			
WG606802PQV	PQV	02/26/25 17:20	II250225-3	.9958		1.01	mg/L	101	70	130			
WG606802SIC	SIC	02/26/25 17:23	II250225-7	.9958		1.04	mg/L	104	80	120			
WG606802LFB	LFB	02/26/25 17:30	II250204-5	100.0605		101.1	mg/L	101	85	115			
WG606802CCV1	CCV	02/26/25 18:00	II250226-1	50		48.77	mg/L	98	90	110			
WG606802CCB1	CCB	02/26/25 18:03				U	mg/L		-0.6	0.6			
WG606802CCV2	CCV	02/26/25 18:36	II250226-1	50		49.31	mg/L	99	90	110			
WG606802CCB2	CCB	02/26/25 18:39				U	mg/L		-0.6	0.6			
L93074-07AS	AS	02/26/25 18:49	II250204-5	100.0605	753	813.3	mg/L	60	85	115			M3
L93074-07ASD	ASD	02/26/25 18:52	II250204-5	100.0605	753	829.6	mg/L	77	85	115	2	20	M3
WG606802CCV3	CCV	02/26/25 18:58	II250226-1	50		48.97	mg/L	98	90	110			
WG606802CCB3	CCB	02/26/25 19:01				U	mg/L		-0.6	0.6			
WG606845													
WG606845ICV	ICV	02/27/25 18:06	II250212-1	100		100.13	mg/L	100	95	105			
WG606845ICB	ICB	02/27/25 18:12				U	mg/L		-0.6	0.6			
WG606845PQV	PQV	02/27/25 18:15	II250225-3	.9958		1	mg/L	100	70	130			
WG606845SIC	SIC	02/27/25 18:18	II250225-7	.9958		1.03	mg/L	103	80	120			
WG606845LFB	LFB	02/27/25 18:25	II250204-5	100.0605		99.55	mg/L	99	85	115			
L92858-04AS	AS	02/27/25 18:44	II250204-5	100.0605	1.55	99.66	mg/L	98	85	115			
L92858-04ASD	ASD	02/27/25 18:47	II250204-5	100.0605	1.55	102.3	mg/L	101	85	115	3	20	
WG606845CCV1	CCV	02/27/25 18:57	II250204-1	50		50.34	mg/L	101	90	110			
WG606845CCB1	CCB	02/27/25 19:00				.25	mg/L		-0.6	0.6			
WG606845CCV2	CCV	02/27/25 19:37	II250204-1	50		49.8	mg/L	100	90	110			
WG606845CCB2	CCB	02/27/25 19:40				U	mg/L		-0.6	0.6			
L93104-01AS	AS	02/27/25 19:50	II250204-5	100.0605	21.7	121.6	mg/L	100	85	115			
L93104-01ASD	ASD	02/27/25 19:53	II250204-5	100.0605	21.7	121.1	mg/L	99	85	115	0	20	
WG606845CCV3	CCV	02/27/25 19:59	II250204-1	50		49.86	mg/L	100	90	110			
WG606845CCB3	CCB	02/27/25 20:03				U	mg/L		-0.6	0.6			

GCC

ACZ Project ID: ***L93074***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate ASTM D516-07/-11/-16

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606525													
WG606525ICV	ICV	02/21/25 9:40	WI250214-1	20.06		20.7	mg/L	103	85	115			
WG606525ICB	ICB	02/21/25 9:40				U	mg/L		-2.5	2.5			
WG606525CCV1	CCV	02/21/25 10:21	WI250210-1	25		25.6	mg/L	102	85	115			
WG606525CCB1	CCB	02/21/25 10:21				U	mg/L		-2.5	2.5			
WG606525LFB	LFB	02/21/25 10:21	WI241001-1	10		10.4	mg/L	104	85	115			
WG606525CCV2	CCV	02/21/25 10:24	WI250210-1	25		27.4	mg/L	110	85	115			
WG606525CCB2	CCB	02/21/25 10:24				U	mg/L		-2.5	2.5			
WG606525CCV3	CCV	02/21/25 10:28	WI250210-1	25		25.5	mg/L	102	85	115			
WG606525CCB3	CCB	02/21/25 10:28				U	mg/L		-2.5	2.5			
WG606525CCV4	CCV	02/21/25 10:32	WI250210-1	25		26.1	mg/L	104	85	115			
WG606525CCB4	CCB	02/21/25 10:32				U	mg/L		-2.5	2.5			
WG606525CCV5	CCV	02/21/25 10:37	WI250210-1	25		23.7	mg/L	95	85	115			
WG606525CCB5	CCB	02/21/25 10:37				U	mg/L		-2.5	2.5			
WG606525CCV8	CCV	02/21/25 10:54	WI250210-1	25		26.3	mg/L	105	85	115			
WG606525CCB8	CCB	02/21/25 10:54				U	mg/L		-2.5	2.5			
WG606525CCV9	CCV	02/21/25 10:59	WI250210-1	25		24.1	mg/L	96	85	115			
WG606525CCB9	CCB	02/21/25 10:59				U	mg/L		-2.5	2.5			
L93076-01AS	AS	02/21/25 11:01	SO4TURB5X	10	46.8	51.6	mg/L	48	85	115			M3
L93076-01ASD	ASD	02/21/25 11:02	SO4TURB5X	10	46.8	52.4	mg/L	56	85	115	2	20	M3
WG606525CCV10	CCV	02/21/25 11:02	WI250210-1	25		24.6	mg/L	98	85	115			
WG606525CCB10	CCB	02/21/25 11:02				U	mg/L		-2.5	2.5			
WG606525CCV11	CCV	02/21/25 11:10	WI250210-1	25		26.8	mg/L	107	85	115			
WG606525CCB11	CCB	02/21/25 11:10				U	mg/L		-2.5	2.5			
WG606525CCV12	CCV	02/21/25 11:13	WI250210-1	25		24.5	mg/L	98	85	115			
WG606525CCB12	CCB	02/21/25 11:13				U	mg/L		-2.5	2.5			

Vanadium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606802													
WG606802ICV	ICV	02/26/25 17:11	II250212-1	2		1.91	mg/L	96	95	105			
WG606802ICB	ICB	02/26/25 17:17				.0054	mg/L		-0.015	0.015			
WG606802PQV	PQV	02/26/25 17:20	II250225-3	.025025		.031	mg/L	124	70	130			
WG606802SIC	SIC	02/26/25 17:23	II250225-7	.1001		.084	mg/L	84	80	120			
WG606802LFB	LFB	02/26/25 17:30	II250204-5	.5005		.4966	mg/L	99	85	115			
WG606802CCV1	CCV	02/26/25 18:00	II250226-1	1		.932	mg/L	93	90	110			
WG606802CCB1	CCB	02/26/25 18:03				U	mg/L		-0.03	0.03			
WG606802CCV2	CCV	02/26/25 18:36	II250226-1	1		.938	mg/L	94	90	110			
WG606802CCB2	CCB	02/26/25 18:39				U	mg/L		-0.03	0.03			
L93074-07AS	AS	02/26/25 18:49	II250204-5	.5005	U	.4956	mg/L	99	85	115			
L93074-07ASD	ASD	02/26/25 18:52	II250204-5	.5005	U	.503	mg/L	100	85	115	1	20	
WG606802CCV3	CCV	02/26/25 18:58	II250226-1	1		.944	mg/L	94	90	110			
WG606802CCB3	CCB	02/26/25 19:01				U	mg/L		-0.03	0.03			

GCC

ACZ Project ID: ***L93074***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Zinc, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606802													
WG606802ICV	ICV	02/26/25 17:11	II250212-1	2		1.94	mg/L	97	95	105			
WG606802ICB	ICB	02/26/25 17:17				U	mg/L		-0.06	0.06			
WG606802PQV	PQV	02/26/25 17:20	II250225-3	.0502		.056	mg/L	112	70	130			
WG606802SIC	SIC	02/26/25 17:23	II250225-7	.1004		.101	mg/L	101	80	120			
WG606802LFB	LFB	02/26/25 17:30	II250204-5	.50045		.513	mg/L	103	85	115			
WG606802CCV1	CCV	02/26/25 18:00	II250226-1	1		.952	mg/L	95	90	110			
WG606802CCB1	CCB	02/26/25 18:03				U	mg/L		-0.06	0.06			
WG606802CCV2	CCV	02/26/25 18:36	II250226-1	1		.954	mg/L	95	90	110			
WG606802CCB2	CCB	02/26/25 18:39				U	mg/L		-0.06	0.06			
L93074-07AS	AS	02/26/25 18:49	II250204-5	.50045	U	.527	mg/L	105	85	115			
L93074-07ASD	ASD	02/26/25 18:52	II250204-5	.50045	U	.534	mg/L	107	85	115	1	20	
WG606802CCV3	CCV	02/26/25 18:58	II250226-1	1		.959	mg/L	96	90	110			
WG606802CCB3	CCB	02/26/25 19:01				U	mg/L		-0.06	0.06			

GCC Rio Grande ACZ Project ID: ***L93074***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93074-01	WG606802	Calcium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606470	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606802	Magnesium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606558	Nitrate/Nitrite as N	EPA 353.2	H3	Sample was received and analyzed past holding time.
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Nitrite as N	EPA 353.2	H3	Sample was received and analyzed past holding time.
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606545	Residue, Filterable (TDS) @180C	SM 2540 C-2011	N1	See Case Narrative.
	WG606709	Selenium, dissolved	EPA 200.8	D1	Sample required dilution due to matrix.
			EPA 200.8	DB	Sample required dilution due to low bias result.
	WG606802	Sodium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606525	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

GCC Rio Grande ACZ Project ID: ***L93074***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93074-02	WG606802	Calcium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606470	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606802	Magnesium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606558	Nitrate/Nitrite as N	EPA 353.2	H3	Sample was received and analyzed past holding time.
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Nitrite as N	EPA 353.2	H3	Sample was received and analyzed past holding time.
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606545	Residue, Filterable (TDS) @180C	SM 2540 C-2011	N1	See Case Narrative.
	WG606657	Selenium, dissolved	EPA 200.8	BE	Target analyte in continuing calibration blank (CCB) at or above the acceptance criteria. Target analyte was not detected in the sample [< MDL].
			EPA 200.8	D5	Sample required dilution. Sample matrix causing internal standards to recover outside method limits.
	WG606802	Sodium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606525	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

GCC Rio Grande ACZ Project ID: ***L93074***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93074-03	WG606802	Calcium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606470	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606802	Magnesium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606558	Nitrate/Nitrite as N	EPA 353.2	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Nitrite as N	EPA 353.2	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606545	Residue, Filterable (TDS) @180C	SM 2540 C-2011	N1	See Case Narrative.
	WG606709	Selenium, dissolved	EPA 200.8	D1	Sample required dilution due to matrix.
			EPA 200.8	DB	Sample required dilution due to low bias result.
	WG606802	Sodium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606525	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

GCC Rio Grande ACZ Project ID: ***L93074***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93074-04	WG606802	Calcium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606470	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606802	Magnesium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606558	Nitrate/Nitrite as N	EPA 353.2	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Nitrite as N	EPA 353.2	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606545	Residue, Filterable (TDS) @180C	SM 2540 C-2011	N1	See Case Narrative.
	WG606657	Selenium, dissolved	EPA 200.8	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			EPA 200.8	D5	Sample required dilution. Sample matrix causing internal standards to recover outside method limits.
	WG606802	Sodium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606525	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

GCC Rio Grande ACZ Project ID: ***L93074***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93074-05	WG606802	Calcium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606470	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606802	Magnesium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606558	Nitrate/Nitrite as N	EPA 353.2	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Nitrite as N	EPA 353.2	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606709	Selenium, dissolved	EPA 200.8	D1	Sample required dilution due to matrix.
			EPA 200.8	D5	Sample required dilution. Sample matrix causing internal standards to recover outside method limits.
	WG606525	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

GCC Rio Grande ACZ Project ID: ***L93074***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93074-06	WG606802	Calcium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606470	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607131	Fluoride	SM 4500-F C-2011	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			SM 4500-F C-2011	N1	See Case Narrative.
	WG606802	Magnesium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606558	Nitrate/Nitrite as N	EPA 353.2	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Nitrite as N	EPA 353.2	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606709	Selenium, dissolved	EPA 200.8	D1	Sample required dilution due to matrix.
			EPA 200.8	D5	Sample required dilution. Sample matrix causing internal standards to recover outside method limits.
	WG606802	Sodium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606525	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

GCC Rio Grande ACZ Project ID: ***L93074***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93074-07	WG606802	Calcium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606470	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607131	Fluoride	SM 4500-F C-2011	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			SM 4500-F C-2011	N1	See Case Narrative.
	WG606802	Magnesium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606558	Nitrate/Nitrite as N	EPA 353.2	H3	Sample was received and analyzed past holding time.
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Nitrite as N	EPA 353.2	H3	Sample was received and analyzed past holding time.
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606963	Residue, Filterable (TDS) @180C	SM 2540 C-2011	H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
			SM 2540 C-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606709	Selenium, dissolved	EPA 200.8	D1	Sample required dilution due to matrix.
			EPA 200.8	D5	Sample required dilution. Sample matrix causing internal standards to recover outside method limits.
	WG606802	Sodium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606525	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

GCC Rio Grande ACZ Project ID: ***L93074***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93074-08	WG606802	Calcium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606470	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607131	Fluoride	SM 4500-F C-2011	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			SM 4500-F C-2011	N1	See Case Narrative.
	WG606802	Magnesium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606558	Nitrate/Nitrite as N	EPA 353.2	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Nitrite as N	EPA 353.2	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606657	Selenium, dissolved	EPA 200.8	BE	Target analyte in continuing calibration blank (CCB) at or above the acceptance criteria. Target analyte was not detected in the sample [< MDL].
			EPA 200.8	D5	Sample required dilution. Sample matrix causing internal standards to recover outside method limits.
	WG606802	Sodium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606525	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

GCC Rio Grande ACZ Project ID: ***L93074***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

GCC Rio Grande

ACZ Project ID: L93074
Date Received: 02/19/2025 12:35
Received By:
Date Printed: 2/20/2025

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
6523	-1	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

GCC Rio Grande

ACZ Project ID:	L93074
Date Received:	02/19/2025 12:35
Received By:	
Date Printed:	2/20/2025

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ LABORATORIES | Accredited Environmental Testing | 2773 Downhill Drive, Steamboat Springs, CO 80487, (970) 879-6590 | L93074

L93074 Chain of Custo

Report to:

Name: Meghan Way	Address: 3372 Lime Road
Company: GCC Rio Grande Inc	Pueblo CO 81004
E-mail: meghanway@gcc.com	Telephone: 719-647-6861

Copy of Report to:

Name: Landon Beck	E-mail: lbeck@slrconsulting.com
Company: SLR Consulting	Telephone: (970) 459-4865

Invoice to:

Name: Meghan Way	Address: 3372 Lime Road
Company: GCC Rio Grande Inc	Pueblo CO 81004
E-mail: meghanway@gcc.com	Telephone: 719-647-6861

Copy of Invoice to:

Name: Amy Rodrigues	Address:
Company: GCC Rio Grande Inc	
E-mail: aveek@gcc.com	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES ✓ NO

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring? Yes No ✓

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Meghan Way **Sampler's Site Information** State CO Zip code 81004 Time Zone MST

***Sampler's Signature:** [signature]

*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

PROJECT INFORMATION

ANALYSIS REQUESTED (attach list or use quote number)

Quote #: GW-COMPLIANCE

PO#: 310180

Reporting state for compliance testing:

Check box if samples include NRC licensed material?

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	GW-COmpliance							
MW-20	2/17/2025 11:46	GW	3	✓							
MW-19	2/17/2025 12:10	GW	3	✓							
MW-12	2/17/2025 12:53	GW	3	✓							
MW-11	2/17/2025 13:22	GW	3	✓							
MW-8	2/17/2025 14:03	GW	3	✓							
MW-7	2/17/2025 14:42	GW	3	✓							
MW-2B	2/17/2025 12:00	GW	3	✓							
MW-6	2/17/2025 15:11	GW	3	✓							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
[signature]	2/17/25 16:02	[signature]	2/18/25 12:35

Qualtrax ID: 1984 Revision #: 2 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

March 12, 2025

Report to:
Meghan Way
GCC Rio Grande
3372 Lime Road
Pueblo, CO 81004

cc: Landon Beck

Bill to:
Meghan Way
GCC Rio Grande
3372 Lime Road
Pueblo, CO 81004

Project ID:
ACZ Project ID: L93173

Meghan Way:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on February 25, 2025. This project has been assigned to ACZ's project number, L93173. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L93173. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after March 12, 2026. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Madeleine Murray
Madeleine Murray has reviewed and approved this report.

GCC Rio Grande
Project ID:
Sample ID: MW-21

ACZ Sample ID: ***L93173-01***
Date Sampled: *02/24/25 12:57*
Date Received: *02/25/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	EPA 200.7	1	<0.07	U		mg/L	0.07	0.25	03/03/25 22:21	wtc
Arsenic, dissolved	EPA 200.8	1	<0.0002	U	*	mg/L	0.0002	0.001	02/28/25 19:00	aps
Beryllium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/03/25 22:21	wtc
Boron, dissolved	EPA 200.7	1	0.669			mg/L	0.03	0.1	03/04/25 12:00	msp
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/28/25 19:00	aps
Calcium, dissolved	EPA 200.7	1	9.12			mg/L	0.1	0.5	03/03/25 22:21	wtc
Chromium, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	03/03/25 22:21	wtc
Cobalt, dissolved	EPA 200.8	1	0.000110	B		mg/L	0.00005	0.00025	02/28/25 19:00	aps
Copper, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/03/25 22:21	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/03/25 22:21	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/28/25 19:00	aps
Lithium, dissolved	EPA 200.7	1	0.240			mg/L	0.008	0.04	03/03/25 22:21	wtc
Magnesium, dissolved	EPA 200.7	1	6.25			mg/L	0.2	1	03/03/25 22:21	wtc
Manganese, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/03/25 22:21	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/06/25 14:51	rjw
Nickel, dissolved	EPA 200.7	1	<0.008	U		mg/L	0.008	0.04	03/03/25 22:21	wtc
Potassium, dissolved	EPA 200.7	1	2.74			mg/L	0.5	1	03/03/25 22:21	wtc
Selenium, dissolved	EPA 200.8	2	<0.0002	U	*	mg/L	0.0002	0.0005	03/03/25 16:50	aps
Sodium, dissolved	EPA 200.7	1	879			mg/L	0.2	1	03/03/25 22:21	wtc
Vanadium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.025	03/03/25 22:21	wtc
Zinc, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	03/03/25 22:21	wtc

GCC Rio Grande
Project ID:
Sample ID: MW-21

ACZ Sample ID: ***L93173-01***
Date Sampled: *02/24/25 12:57*
Date Received: *02/25/25*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	856			mg/L	2	20	02/26/25 0:00	jck
Carbonate as CaCO3		1	44.2			mg/L	2	20	02/26/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/26/25 0:00	jck
Total Alkalinity		1	900			mg/L	2	20	02/26/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.6			%			03/12/25 0:00	calc
Sum of Anions			43			meq/L			03/12/25 0:00	calc
Sum of Cations			40			meq/L			03/12/25 0:00	calc
Chloride	SM 4500-Cl E-2011	5	159			mg/L	5	10	02/27/25 13:01	jqr
Fluoride	SM 4500-F C-2011	1	1.31			mg/L	0.15	0.35	03/11/25 19:05	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		49			mg/L	0.2	5	03/12/25 0:00	calc
Nitrate as N	Calculation (NO3NO2-NO2)		<0.02	U		mg/L	0.02	0.1	03/12/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U		mg/L	0.02	0.1	02/26/25 2:55	pjb
Nitrite as N	EPA 353.2	1	<0.01	U	*	mg/L	0.01	0.05	02/26/25 2:55	pjb
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	2460			mg/L	20	40	03/03/25 10:29	asn
Sulfate	ASTM D516-07/-11/-16	50	995		*	mg/L	50	250	02/26/25 14:49	jqr
TDS (calculated)	Calculation		2600			mg/L			03/12/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.95						03/12/25 0:00	calc

GCC Rio Grande
Project ID:
Sample ID: MW-23

ACZ Sample ID: ***L93173-02***
Date Sampled: *02/24/25 14:04*
Date Received: *02/25/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	EPA 200.7	1	<0.07	U		mg/L	0.07	0.25	03/03/25 22:25	wtc
Arsenic, dissolved	EPA 200.8	1	0.00084	B		mg/L	0.0002	0.001	03/03/25 16:52	aps
Beryllium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/03/25 22:25	wtc
Boron, dissolved	EPA 200.7	1	0.365			mg/L	0.03	0.1	03/04/25 12:03	msp
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/28/25 19:02	aps
Calcium, dissolved	EPA 200.7	1	29.2			mg/L	0.1	0.5	03/03/25 22:25	wtc
Chromium, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	03/03/25 22:25	wtc
Cobalt, dissolved	EPA 200.8	1	0.00103			mg/L	0.00005	0.00025	02/28/25 19:02	aps
Copper, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/03/25 22:25	wtc
Iron, dissolved	EPA 200.7	1	0.667			mg/L	0.06	0.15	03/03/25 22:25	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/28/25 19:02	aps
Lithium, dissolved	EPA 200.7	1	0.145			mg/L	0.008	0.04	03/03/25 22:25	wtc
Magnesium, dissolved	EPA 200.7	1	13.4			mg/L	0.2	1	03/03/25 22:25	wtc
Manganese, dissolved	EPA 200.7	1	0.028	B		mg/L	0.01	0.05	03/03/25 22:25	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/06/25 14:52	rjw
Nickel, dissolved	EPA 200.7	1	<0.008	U		mg/L	0.008	0.04	03/03/25 22:25	wtc
Potassium, dissolved	EPA 200.7	1	4.73			mg/L	0.5	1	03/03/25 22:25	wtc
Selenium, dissolved	EPA 200.8	1	0.0151		*	mg/L	0.0001	0.00025	02/28/25 19:02	aps
Sodium, dissolved	EPA 200.7	1	530			mg/L	0.2	1	03/03/25 22:25	wtc
Vanadium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.025	03/03/25 22:25	wtc
Zinc, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	03/03/25 22:25	wtc

GCC Rio Grande
Project ID:
Sample ID: MW-23

ACZ Sample ID: ***L93173-02***
Date Sampled: *02/24/25 14:04*
Date Received: *02/25/25*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	898			mg/L	2	20	02/26/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/26/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/26/25 0:00	jck
Total Alkalinity		1	898			mg/L	2	20	02/26/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-5.5			%			03/12/25 0:00	calc
Sum of Anions			29			meq/L			03/12/25 0:00	calc
Sum of Cations			26.0			meq/L			03/12/25 0:00	calc
Chloride	SM 4500-Cl E-2011	5	108			mg/L	5	10	02/27/25 13:01	jqr
Fluoride	SM 4500-F C-2011	1	0.61			mg/L	0.15	0.35	03/11/25 19:08	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		128			mg/L	0.2	5	03/12/25 0:00	calc
Nitrate as N	Calculation (NO3NO2-NO2)		2.43			mg/L	0.02	0.1	03/12/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	2.47			mg/L	0.02	0.1	02/26/25 2:56	pjb
Nitrite as N	EPA 353.2	1	0.037	B	*	mg/L	0.01	0.05	02/26/25 2:56	pjb
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1490			mg/L	20	40	03/03/25 10:34	asn
Sulfate	ASTM D516-07/-11/-16	25	353		*	mg/L	25	125	02/26/25 14:59	jqr
TDS (calculated)	Calculation		1590			mg/L			03/12/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.94						03/12/25 0:00	calc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4) EPA SW-846. Test Methods for Evaluating Solid Waste.
(5) Standard Methods for the Examination of Water and Wastewater.

Comments

(1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5) If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

GCC

ACZ Project ID: ***L93173***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606728													
WG606728PBW1	PBW	02/25/25 17:30				10.3	mg/L		-20	20			
WG606728LCSW3	LCSW	02/25/25 17:43	WC250215-1	820.0001		840.9	mg/L	103	90	110			
WG606728LCSW6	LCSW	02/25/25 20:14	WC250215-1	820.0001		845.2	mg/L	103	90	110			
WG606728PBW2	PBW	02/25/25 20:25				U	mg/L		-20	20			
WG606728LCSW9	LCSW	02/25/25 22:44	WC250215-1	820.0001		842.6	mg/L	103	90	110			
WG606728PBW3	PBW	02/25/25 22:54				U	mg/L		-20	20			
WG606728LCSW12	LCSW	02/26/25 1:59	WC250215-1	820.0001		847.1	mg/L	103	90	110			
WG606728PBW4	PBW	02/26/25 2:09				U	mg/L		-20	20			
L93173-02DUP	DUP	02/26/25 5:17			898	891.5	mg/L				1	20	
WG606728LCSW15	LCSW	02/26/25 5:34	WC250215-1	820.0001		852.4	mg/L	104	90	110			

Aluminum, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606958													
WG606958ICV	ICV	03/03/25 21:03	II250212-1	2		1.962	mg/L	98	95	105			
WG606958ICB	ICB	03/03/25 21:09				U	mg/L		-0.15	0.15			
WG606958PQV	PQV	03/03/25 21:12	II250225-3	.250625		.249	mg/L	99	70	130			
WG606958SIC	SIC	03/03/25 21:15	II250225-7	200.750625		200.5	mg/L	100	1	200			
WG606958LFB	LFB	03/03/25 21:22	II250204-5	1.0025		1.078	mg/L	108	85	115			
WG606958CCV1	CCV	03/03/25 21:53	II250226-1	1		1.004	mg/L	100	90	110			
WG606958CCB1	CCB	03/03/25 21:56				U	mg/L		-0.15	0.15			
WG606958CCV2	CCV	03/03/25 22:31	II250226-1	1		1.018	mg/L	102	90	110			
WG606958CCB2	CCB	03/03/25 22:34				U	mg/L		-0.15	0.15			
L93210-02AS	AS	03/03/25 22:44	II250204-5	1.0025	U	1.043	mg/L	104	85	115			
L93210-02ASD	ASD	03/03/25 22:47	II250204-5	1.0025	U	1.044	mg/L	104	85	115	0	20	
WG606958CCV3	CCV	03/03/25 22:53	II250226-1	1		1.017	mg/L	102	90	110			
WG606958CCB3	CCB	03/03/25 22:56				U	mg/L		-0.15	0.15			

GCC

ACZ Project ID: ***L93173***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Arsenic, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606865													
WG606865ICV	ICV	02/28/25 18:28	MS241212-10	.05		.04522	mg/L	90	90	110			
WG606865ICB	ICB	02/28/25 18:29				.00061	mg/L		-0.00044	0.00044			B7 BF
WG606865LFB	LFB	02/28/25 18:31	MS250120-3	.0501		.04937	mg/L	99	85	115			
WG606865CCV1	CCV	02/28/25 18:49	MS250126-4	.1002		.09669	mg/L	96	90	110			
WG606865CCB1	CCB	02/28/25 18:51				U	mg/L		-0.0006	0.0006			
WG606865CCV2	CCV	02/28/25 19:11	MS250126-4	.1002		.09659	mg/L	96	90	110			
WG606865CCB2	CCB	02/28/25 19:13				U	mg/L		-0.0006	0.0006			
L93213-03AS	AS	02/28/25 19:17	MS250120-3	.0501	.00024	.05355	mg/L	106	70	130			
L93213-03ASD	ASD	02/28/25 19:19	MS250120-3	.0501	.00024	.05585	mg/L	111	70	130	4	20	
WG606865CCV3	CCV	02/28/25 19:24	MS250126-4	.1002		.09192	mg/L	92	90	110			
WG606865CCB3	CCB	02/28/25 19:26				U	mg/L		-0.0006	0.0006			
WG607023													
WG607023ICV	ICV	03/03/25 16:21	MS241212-10	.05		.04711	mg/L	94	90	110			
WG607023ICB	ICB	03/03/25 16:23				U	mg/L		-0.00044	0.00044			
WG607023LFB	LFB	03/03/25 16:25	MS250120-3	.0501		.05116	mg/L	102	85	115			
L93147-06AS	AS	03/03/25 16:38	MS250120-3	.0501	.00441	.0594	mg/L	110	70	130			
L93147-06ASD	ASD	03/03/25 16:39	MS250120-3	.0501	.00441	.05963	mg/L	110	70	130	0	20	
WG607023CCV1	CCV	03/03/25 16:43	MS250126-4	.1002		.09795	mg/L	98	90	110			
WG607023CCB1	CCB	03/03/25 16:45				U	mg/L		-0.0006	0.0006			
WG607023CCV2	CCV	03/03/25 17:05	MS250126-4	.1002		.09696	mg/L	97	90	110			
WG607023CCB2	CCB	03/03/25 17:07				U	mg/L		-0.0006	0.0006			
L93215-03AS	AS	03/03/25 17:14	MS250120-3	.0501	.00021	.05392	mg/L	107	70	130			
L93215-03ASD	ASD	03/03/25 17:16	MS250120-3	.0501	.00021	.05382	mg/L	107	70	130	0	20	
WG607023CCV3	CCV	03/03/25 17:17	MS250126-4	.1002		.09463	mg/L	94	90	110			
WG607023CCB3	CCB	03/03/25 17:19				U	mg/L		-0.0006	0.0006			

Beryllium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606958													
WG606958ICV	ICV	03/03/25 21:03	II250212-1	2		1.931	mg/L	97	95	105			
WG606958ICB	ICB	03/03/25 21:09				U	mg/L		-0.03	0.03			
WG606958PQV	PQV	03/03/25 21:12	II250225-3	.05005		.047	mg/L	94	70	130			
WG606958SIC	SIC	03/03/25 21:15	II250225-7	.1001		.096	mg/L	96	80	120			
WG606958LFB	LFB	03/03/25 21:22	II250204-5	.5005		.501	mg/L	100	85	115			
WG606958CCV1	CCV	03/03/25 21:53	II250226-1	1		.984	mg/L	98	90	110			
WG606958CCB1	CCB	03/03/25 21:56				U	mg/L		-0.03	0.03			
WG606958CCV2	CCV	03/03/25 22:31	II250226-1	1		1.005	mg/L	101	90	110			
WG606958CCB2	CCB	03/03/25 22:34				U	mg/L		-0.03	0.03			
L93210-02AS	AS	03/03/25 22:44	II250204-5	.5005	U	.527	mg/L	105	85	115			
L93210-02ASD	ASD	03/03/25 22:47	II250204-5	.5005	U	.523	mg/L	104	85	115	1	20	
WG606958CCV3	CCV	03/03/25 22:53	II250226-1	1		1.01	mg/L	101	90	110			
WG606958CCB3	CCB	03/03/25 22:56				U	mg/L		-0.03	0.03			

GCC

ACZ Project ID: ***L93173***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Boron, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607102													
WG607102ICV	ICV	03/04/25 11:00	II250212-1	2		2.041	mg/L	102	95	105			
WG607102ICB	ICB	03/04/25 11:05				U	mg/L		-0.09	0.09			
WG607102PQV	PQV	03/04/25 11:08	II250225-3	.1001		.115	mg/L	115	70	130			
WG607102SIC	SIC	03/04/25 11:12	II250225-7	.1001		.114	mg/L	114	80	120			
WG607102LFB	LFB	03/04/25 11:18	II250204-5	.5005		.516	mg/L	103	85	115			
L93147-07AS	AS	03/04/25 11:33	II250204-5	.5005	.061	.585	mg/L	105	85	115			
L93147-07ASD	ASD	03/04/25 11:36	II250204-5	.5005	.061	.574	mg/L	102	85	115	2	20	
WG607102CCV1	CCV	03/04/25 11:48	II250204-1	1		1.031	mg/L	103	90	110			
WG607102CCB1	CCB	03/04/25 11:51				U	mg/L		-0.09	0.09			
L93185-04AS	AS	03/04/25 12:09	II250204-5	.5005	U	.529	mg/L	106	85	115			
L93185-04ASD	ASD	03/04/25 12:12	II250204-5	.5005	U	.538	mg/L	107	85	115	2	20	
WG607102CCV2	CCV	03/04/25 12:25	II250204-1	1		1.03	mg/L	103	90	110			
WG607102CCB2	CCB	03/04/25 12:28				U	mg/L		-0.09	0.09			
WG607102CCV3	CCV	03/04/25 12:46	II250204-1	1		1.031	mg/L	103	90	110			
WG607102CCB3	CCB	03/04/25 12:49				U	mg/L		-0.09	0.09			

Cadmium, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606865													
WG606865ICV	ICV	02/28/25 18:28	MS241212-10	.05		.050193	mg/L	100	90	110			
WG606865ICB	ICB	02/28/25 18:29				U	mg/L		-0.00011	0.00011			
WG606865LFB	LFB	02/28/25 18:31	MS250120-3	.05005		.052249	mg/L	104	85	115			
WG606865CCV1	CCV	02/28/25 18:49	MS250126-4	.1001		.102817	mg/L	103	90	110			
WG606865CCB1	CCB	02/28/25 18:51				U	mg/L		-0.00015	0.00015			
WG606865CCV2	CCV	02/28/25 19:11	MS250126-4	.1001		.102591	mg/L	102	90	110			
WG606865CCB2	CCB	02/28/25 19:13				U	mg/L		-0.00015	0.00015			
L93213-03AS	AS	02/28/25 19:17	MS250120-3	.05005	.000677	.054338	mg/L	107	70	130			
L93213-03ASD	ASD	02/28/25 19:19	MS250120-3	.05005	.000677	.056081	mg/L	111	70	130	3	20	
WG606865CCV3	CCV	02/28/25 19:24	MS250126-4	.1001		.100875	mg/L	101	90	110			
WG606865CCB3	CCB	02/28/25 19:26				U	mg/L		-0.00015	0.00015			

Calcium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606958													
WG606958ICV	ICV	03/03/25 21:03	II250212-1	100		98.86	mg/L	99	95	105			
WG606958ICB	ICB	03/03/25 21:09				U	mg/L		-0.3	0.3			
WG606958PQV	PQV	03/03/25 21:12	II250225-3	.5025		.5	mg/L	100	70	130			
WG606958SIC	SIC	03/03/25 21:15	II250225-7	201.5025		199.8	mg/L	99	1	200			
WG606958LFB	LFB	03/03/25 21:22	II250204-5	68.14236		72.91	mg/L	107	85	115			
WG606958CCV1	CCV	03/03/25 21:53	II250226-1	50		51.03	mg/L	102	90	110			
WG606958CCB1	CCB	03/03/25 21:56				U	mg/L		-0.3	0.3			
WG606958CCV2	CCV	03/03/25 22:31	II250226-1	50		52.25	mg/L	105	90	110			
WG606958CCB2	CCB	03/03/25 22:34				U	mg/L		-0.3	0.3			
L93210-02AS	AS	03/03/25 22:44	II250204-5	68.14236	52.5	123.5	mg/L	104	85	115			
L93210-02ASD	ASD	03/03/25 22:47	II250204-5	68.14236	52.5	123.2	mg/L	104	85	115	0	20	
WG606958CCV3	CCV	03/03/25 22:53	II250226-1	50		52.53	mg/L	105	90	110			
WG606958CCB3	CCB	03/03/25 22:56				U	mg/L		-0.3	0.3			

GCC

ACZ Project ID: ***L93173***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Chloride SM 4500-Cl E-2011

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606841													
WG606841ICV	ICV	02/27/25 10:53	WI250102-6	40		39.43	mg/L	99	90	110			
WG606841ICB	ICB	02/27/25 10:53				U	mg/L						
WG606841CCV1	CCV	02/27/25 12:41	WI241113-1	25		24.3	mg/L	97	90	110			
WG606841CCB1	CCB	02/27/25 12:41				U	mg/L						
WG606841PQV	PQV	02/27/25 12:42	WI250220-1	2		2.08	mg/L	104	50	150			
WG606841LFB	LFB	02/27/25 12:42	WI240820-1	20		21.58	mg/L	108	90	110			
WG606841CCV2	CCV	02/27/25 12:45	WI241113-1	25		25.19	mg/L	101	90	110			
WG606841CCB2	CCB	02/27/25 12:45				U	mg/L						
WG606841CCV3	CCV	02/27/25 12:52	WI241113-1	25		25.18	mg/L	101	90	110			
WG606841CCB3	CCB	02/27/25 12:53				U	mg/L						
L93211-05AS	AS	02/27/25 12:54	WI240820-1	20	20.2	38.68	mg/L	92	90	110			
WG606841CCV4	CCV	02/27/25 12:54	WI241113-1	25		25.27	mg/L	101	90	110			
WG606841CCB4	CCB	02/27/25 12:59				U	mg/L						
L93211-05ASD	ASD	02/27/25 13:01	WI240820-1	20	20.2	38.8	mg/L	93	90	110	0	20	
WG606841CCV5	CCV	02/27/25 13:02	WI241113-1	25		25.21	mg/L	101	90	110			
WG606841CCB5	CCB	02/27/25 13:02				U	mg/L						

Chromium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606958													
WG606958ICV	ICV	03/03/25 21:03	II250212-1	2		1.94	mg/L	97	95	105			
WG606958ICB	ICB	03/03/25 21:09				U	mg/L		-0.06	0.06			
WG606958PQV	PQV	03/03/25 21:12	II250225-3	.0501		.044	mg/L	88	70	130			
WG606958SIC	SIC	03/03/25 21:15	II250225-7	.1002		.08	mg/L	80	80	120			
WG606958LFB	LFB	03/03/25 21:22	II250204-5	.501		.506	mg/L	101	85	115			
WG606958CCV1	CCV	03/03/25 21:53	II250226-1	1		.989	mg/L	99	90	110			
WG606958CCB1	CCB	03/03/25 21:56				U	mg/L		-0.06	0.06			
WG606958CCV2	CCV	03/03/25 22:31	II250226-1	1		1.022	mg/L	102	90	110			
WG606958CCB2	CCB	03/03/25 22:34				U	mg/L		-0.06	0.06			
L93210-02AS	AS	03/03/25 22:44	II250204-5	.501	U	.533	mg/L	106	85	115			
L93210-02ASD	ASD	03/03/25 22:47	II250204-5	.501	U	.527	mg/L	105	85	115	1	20	
WG606958CCV3	CCV	03/03/25 22:53	II250226-1	1		1.032	mg/L	103	90	110			
WG606958CCB3	CCB	03/03/25 22:56				U	mg/L		-0.06	0.06			

Cobalt, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606865													
WG606865ICV	ICV	02/28/25 18:28	MS241212-10	.05		.047005	mg/L	94	90	110			
WG606865ICB	ICB	02/28/25 18:29				U	mg/L		-0.00011	0.00011			
WG606865LFB	LFB	02/28/25 18:31	MS250120-3	.05005		.049989	mg/L	100	85	115			
WG606865CCV1	CCV	02/28/25 18:49	MS250126-4	.1001		.097271	mg/L	97	90	110			
WG606865CCB1	CCB	02/28/25 18:51				U	mg/L		-0.00015	0.00015			
WG606865CCV2	CCV	02/28/25 19:11	MS250126-4	.1001		.097888	mg/L	98	90	110			
WG606865CCB2	CCB	02/28/25 19:13				U	mg/L		-0.00015	0.00015			
L93213-03AS	AS	02/28/25 19:17	MS250120-3	.05005	.000091	.048771	mg/L	97	70	130			
L93213-03ASD	ASD	02/28/25 19:19	MS250120-3	.05005	.000091	.050361	mg/L	100	70	130	3	20	
WG606865CCV3	CCV	02/28/25 19:24	MS250126-4	.1001		.095671	mg/L	96	90	110			
WG606865CCB3	CCB	02/28/25 19:26				U	mg/L		-0.00015	0.00015			

GCC

ACZ Project ID: ***L93173***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Copper, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606958													
WG606958ICV	ICV	03/03/25 21:03	II250212-1	2		1.935	mg/L	97	95	105			
WG606958ICB	ICB	03/03/25 21:09				U	mg/L		-0.03	0.03			
WG606958PQV	PQV	03/03/25 21:12	II250225-3	.05005		.043	mg/L	86	70	130			
WG606958SIC	SIC	03/03/25 21:15	II250225-7	.1001		.094	mg/L	94	80	120			
WG606958LFB	LFB	03/03/25 21:22	II250204-5	.5005		.492	mg/L	98	85	115			
WG606958CCV1	CCV	03/03/25 21:53	II250226-1	1		.988	mg/L	99	90	110			
WG606958CCB1	CCB	03/03/25 21:56				U	mg/L		-0.03	0.03			
WG606958CCV2	CCV	03/03/25 22:31	II250226-1	1		1.016	mg/L	102	90	110			
WG606958CCB2	CCB	03/03/25 22:34				U	mg/L		-0.03	0.03			
L93210-02AS	AS	03/03/25 22:44	II250204-5	.5005	U	.522	mg/L	104	85	115			
L93210-02ASD	ASD	03/03/25 22:47	II250204-5	.5005	U	.526	mg/L	105	85	115	1	20	
WG606958CCV3	CCV	03/03/25 22:53	II250226-1	1		1.017	mg/L	102	90	110			
WG606958CCB3	CCB	03/03/25 22:56				U	mg/L		-0.03	0.03			

Fluoride SM 4500-F C-2011

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607526													
WG607526ICV	ICV	03/11/25 18:24	WC250306-8	2		1.85	mg/L	93	90	110			
WG607526ICB	ICB	03/11/25 18:32				U	mg/L		-0.3	0.3			
WG607526PQV	PQV	03/11/25 18:36	WC250120-1	.35		.26	mg/L	74	50	150			
WG607526LFB1	LFB	03/11/25 18:40	WC241104-8	5		4.72	mg/L	94	90	110			
L93147-01AS	AS	03/11/25 18:48	WC241104-8	5	.52	5.28	mg/L	95	90	110			
L93147-01ASD	ASD	03/11/25 18:51	WC241104-8	5	.52	5.33	mg/L	96	90	110	1	20	
WG607526CCV1	CCV	03/11/25 19:21	WC250306-8	2		2.022	mg/L	101	90	110			
WG607526CCB1	CCB	03/11/25 19:29				U	mg/L		-0.3	0.3			
WG607526CCV2	CCV	03/11/25 20:09	WC250306-8	2		2.042	mg/L	102	90	110			
WG607526CCB2	CCB	03/11/25 20:17				U	mg/L		-0.3	0.3			
WG607526LFB2	LFB	03/11/25 20:41	WC241104-8	5		5.18	mg/L	104	90	110			
WG607526CCV3	CCV	03/11/25 21:01	WC250306-8	2		2.091	mg/L	105	90	110			
WG607526CCB3	CCB	03/11/25 21:09				U	mg/L		-0.3	0.3			
WG607526CCV4	CCV	03/11/25 21:41	WC250306-8	2		2.122	mg/L	106	90	110			
WG607526CCB4	CCB	03/11/25 21:49				U	mg/L		-0.3	0.3			

GCC

ACZ Project ID: ***L93173***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Iron, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606958													
WG606958ICV	ICV	03/03/25 21:03	II250212-1	2		1.964	mg/L	98	95	105			
WG606958ICB	ICB	03/03/25 21:09				U	mg/L		-0.18	0.18			
WG606958PQV	PQV	03/03/25 21:12	II250225-3	.15045		.14	mg/L	93	70	130			
WG606958SIC	SIC	03/03/25 21:15	II250225-7	200.75045		196.6	mg/L	98	1	200			
WG606958LFB	LFB	03/03/25 21:22	II250204-5	1.003		1.062	mg/L	106	85	115			
WG606958CCV1	CCV	03/03/25 21:53	II250226-1	1		1.002	mg/L	100	90	110			
WG606958CCB1	CCB	03/03/25 21:56				U	mg/L		-0.18	0.18			
WG606958CCV2	CCV	03/03/25 22:31	II250226-1	1		1.04	mg/L	104	90	110			
WG606958CCB2	CCB	03/03/25 22:34				U	mg/L		-0.18	0.18			
L93210-02AS	AS	03/03/25 22:44	II250204-5	1.003	U	1.072	mg/L	107	85	115			
L93210-02ASD	ASD	03/03/25 22:47	II250204-5	1.003	U	1.055	mg/L	105	85	115	2	20	
WG606958CCV3	CCV	03/03/25 22:53	II250226-1	1		1.043	mg/L	104	90	110			
WG606958CCB3	CCB	03/03/25 22:56				U	mg/L		-0.18	0.18			

Lead, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606865													
WG606865ICV	ICV	02/28/25 18:28	MS241212-10	.05		.04883	mg/L	98	90	110			
WG606865ICB	ICB	02/28/25 18:29				U	mg/L		-0.00022	0.00022			
WG606865LFB	LFB	02/28/25 18:31	MS250120-3	.05005		.05117	mg/L	102	85	115			
WG606865CCV1	CCV	02/28/25 18:49	MS250126-4	.25025		.2432	mg/L	97	90	110			
WG606865CCB1	CCB	02/28/25 18:51				U	mg/L		-0.0003	0.0003			
WG606865CCV2	CCV	02/28/25 19:11	MS250126-4	.25025		.24423	mg/L	98	90	110			
WG606865CCB2	CCB	02/28/25 19:13				U	mg/L		-0.0003	0.0003			
L93213-03AS	AS	02/28/25 19:17	MS250120-3	.05005	.00024	.05188	mg/L	103	70	130			
L93213-03ASD	ASD	02/28/25 19:19	MS250120-3	.05005	.00024	.05265	mg/L	105	70	130	1	20	
WG606865CCV3	CCV	02/28/25 19:24	MS250126-4	.25025		.23766	mg/L	95	90	110			
WG606865CCB3	CCB	02/28/25 19:26				U	mg/L		-0.0003	0.0003			

Lithium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606958													
WG606958ICV	ICV	03/03/25 21:03	II250212-1	2		1.9175	mg/L	96	95	105			
WG606958ICB	ICB	03/03/25 21:09				U	mg/L		-0.024	0.024			
WG606958PQV	PQV	03/03/25 21:12	II250225-3	.04004		.0399	mg/L	100	70	130			
WG606958SIC	SIC	03/03/25 21:15	II250225-7	.1001		.1094	mg/L	109	80	120			
WG606958LFB	LFB	03/03/25 21:22	II250204-5	1.001		.954	mg/L	95	85	115			
WG606958CCV1	CCV	03/03/25 21:53	II250226-1	1		.9759	mg/L	98	90	110			
WG606958CCB1	CCB	03/03/25 21:56				U	mg/L		-0.024	0.024			
WG606958CCV2	CCV	03/03/25 22:31	II250226-1	1		.9995	mg/L	100	90	110			
WG606958CCB2	CCB	03/03/25 22:34				U	mg/L		-0.024	0.024			
L93210-02AS	AS	03/03/25 22:44	II250204-5	1.001	U	1.021	mg/L	102	85	115			
L93210-02ASD	ASD	03/03/25 22:47	II250204-5	1.001	U	.9904	mg/L	99	85	115	3	20	
WG606958CCV3	CCV	03/03/25 22:53	II250226-1	1		1.005	mg/L	101	90	110			
WG606958CCB3	CCB	03/03/25 22:56				U	mg/L		-0.024	0.024			

GCC

ACZ Project ID: ***L93173***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Magnesium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606958													
WG606958ICV	ICV	03/03/25 21:03	II250212-1	100		98.74	mg/L	99	95	105			
WG606958ICB	ICB	03/03/25 21:09				U	mg/L		-0.6	0.6			
WG606958PQV	PQV	03/03/25 21:12	II250225-3	1.0087		.91	mg/L	90	70	130			
WG606958SIC	SIC	03/03/25 21:15	II250225-7	202.7487		204.6	mg/L	101	1	200			
WG606958LFB	LFB	03/03/25 21:22	II250204-5	49.92945		53.23	mg/L	107	85	115			
WG606958CCV1	CCV	03/03/25 21:53	II250226-1	50		50.8	mg/L	102	90	110			
WG606958CCB1	CCB	03/03/25 21:56				U	mg/L		-0.6	0.6			
WG606958CCV2	CCV	03/03/25 22:31	II250226-1	50		52.22	mg/L	104	90	110			
WG606958CCB2	CCB	03/03/25 22:34				U	mg/L		-0.6	0.6			
L93210-02AS	AS	03/03/25 22:44	II250204-5	49.92945	24.6	76.64	mg/L	104	85	115			
L93210-02ASD	ASD	03/03/25 22:47	II250204-5	49.92945	24.6	76.37	mg/L	104	85	115	0	20	
WG606958CCV3	CCV	03/03/25 22:53	II250226-1	50		52.57	mg/L	105	90	110			
WG606958CCB3	CCB	03/03/25 22:56				U	mg/L		-0.6	0.6			

Manganese, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606958													
WG606958ICV	ICV	03/03/25 21:03	II250212-1	2		1.945	mg/L	97	95	105			
WG606958ICB	ICB	03/03/25 21:09				U	mg/L		-0.03	0.03			
WG606958PQV	PQV	03/03/25 21:12	II250225-3	.0498		.045	mg/L	90	70	130			
WG606958SIC	SIC	03/03/25 21:15	II250225-7	50.4498		48.35	mg/L	96	1	200			
WG606958LFB	LFB	03/03/25 21:22	II250204-5	.504		.514	mg/L	102	85	115			
WG606958CCV1	CCV	03/03/25 21:53	II250226-1	1		1.008	mg/L	101	90	110			
WG606958CCB1	CCB	03/03/25 21:56				U	mg/L		-0.03	0.03			
WG606958CCV2	CCV	03/03/25 22:31	II250226-1	1		1.041	mg/L	104	90	110			
WG606958CCB2	CCB	03/03/25 22:34				U	mg/L		-0.03	0.03			
L93210-02AS	AS	03/03/25 22:44	II250204-5	.504	U	.533	mg/L	106	85	115			
L93210-02ASD	ASD	03/03/25 22:47	II250204-5	.504	U	.529	mg/L	105	85	115	1	20	
WG606958CCV3	CCV	03/03/25 22:53	II250226-1	1		1.051	mg/L	105	90	110			
WG606958CCB3	CCB	03/03/25 22:56				U	mg/L		-0.03	0.03			

GCC

ACZ Project ID: ***L93173***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Mercury, dissolved EPA 245.1

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607221													
WG607221ICV	ICV	03/06/25 13:39	HG250303-3	.00501		.00476	mg/L	95	95	105			
WG607221ICB	ICB	03/06/25 13:40				U	mg/L		-0.0002	0.0002			
WG607223													
WG607223CCV1	CCV	03/06/25 14:46	HG250303-3	.00501		.00519	mg/L	104	90	110			
WG607223CCB1	CCB	03/06/25 14:47				U	mg/L		-0.0002	0.0002			
WG607223PQV	PQV	03/06/25 14:48	HG250303-5	.001001		.00096	mg/L	96	70	130			
WG607223LRB	LRB	03/06/25 14:49				U	mg/L		-0.00044	0.00044			
WG607223LFB	LFB	03/06/25 14:50	HG250303-6	.002002		.00198	mg/L	99	85	115			
L93213-01LFM	LFM	03/06/25 14:54	HG250303-6	.002002	U	.00189	mg/L	94	85	115			
L93213-01LFMD	LFMD	03/06/25 14:54	HG250303-6	.002002	U	.00187	mg/L	93	85	115	1	20	
WG607223CCV2	CCV	03/06/25 14:57	HG250303-3	.00501		.00509	mg/L	102	90	110			
WG607223CCB2	CCB	03/06/25 14:58				U	mg/L		-0.0002	0.0002			
WG607223CCV3	CCV	03/06/25 15:09	HG250303-3	.00501		.00508	mg/L	101	90	110			
WG607223CCB3	CCB	03/06/25 15:10				U	mg/L		-0.0002	0.0002			
WG607223CCV4	CCV	03/06/25 15:18	HG250303-3	.00501		.00508	mg/L	101	90	110			
WG607223CCB4	CCB	03/06/25 15:18				U	mg/L		-0.0002	0.0002			

Nickel, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606958													
WG606958ICV	ICV	03/03/25 21:03	II250212-1	2.004		1.9915	mg/L	99	95	105			
WG606958ICB	ICB	03/03/25 21:09				U	mg/L		-0.024	0.024			
WG606958PQV	PQV	03/03/25 21:12	II250225-3	.04004		.0427	mg/L	107	70	130			
WG606958SIC	SIC	03/03/25 21:15	II250225-7	.1001		.0918	mg/L	92	80	120			
WG606958LFB	LFB	03/03/25 21:22	II250204-5	.5005		.5179	mg/L	103	85	115			
WG606958CCV1	CCV	03/03/25 21:53	II250226-1	1.002		1.032	mg/L	103	90	110			
WG606958CCB1	CCB	03/03/25 21:56				U	mg/L		-0.024	0.024			
WG606958CCV2	CCV	03/03/25 22:31	II250226-1	1.002		1.081	mg/L	108	90	110			
WG606958CCB2	CCB	03/03/25 22:34				U	mg/L		-0.024	0.024			
L93210-02AS	AS	03/03/25 22:44	II250204-5	.5005	U	.5463	mg/L	109	85	115			
L93210-02ASD	ASD	03/03/25 22:47	II250204-5	.5005	U	.538	mg/L	107	85	115	2	20	
WG606958CCV3	CCV	03/03/25 22:53	II250226-1	1.002		1.095	mg/L	109	90	110			
WG606958CCB3	CCB	03/03/25 22:56				U	mg/L		-0.024	0.024			

GCC

ACZ Project ID: ***L93173***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Nitrate/Nitrite as N EPA 353.2

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606733													
WG606733ICV	ICV	02/26/25 2:13	WI250128-7	2.416		2.38	mg/L	99	90	110			
WG606733ICB	ICB	02/26/25 2:14				U	mg/L		-0.02	0.02			
WG606733LFB	LFB	02/26/25 2:18	WI250201-3	2		2.044	mg/L	102	90	110			
WG606733CCV1	CCV	02/26/25 2:28	WI250225-3	2		1.923	mg/L	96	90	110			
WG606733CCB1	CCB	02/26/25 2:31				U	mg/L		-0.02	0.02			
L93151-07DUP	DUP	02/26/25 2:42			1.17	1.174	mg/L				0	20	
WG606733CCV2	CCV	02/26/25 2:45	WI250225-3	2		1.987	mg/L	99	90	110			
WG606733CCB2	CCB	02/26/25 2:48				U	mg/L		-0.02	0.02			
WG606733CCV3	CCV	02/26/25 3:02	WI250225-3	2		1.997	mg/L	100	90	110			
WG606733CCB3	CCB	02/26/25 3:05				U	mg/L		-0.02	0.02			
WG606733CCV4	CCV	02/26/25 3:18	WI250225-3	2		1.991	mg/L	100	90	110			
WG606733CCB4	CCB	02/26/25 3:21				U	mg/L		-0.02	0.02			
L93151-06AS	AS	02/26/25 3:23	WI250201-3	2	1.16	3.042	mg/L	94	90	110			
WG606733CCV5	CCV	02/26/25 3:25	WI250225-3	2		1.999	mg/L	100	90	110			
WG606733CCB5	CCB	02/26/25 3:28				U	mg/L		-0.02	0.02			

Nitrite as N EPA 353.2

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606733													
WG606733ICV	ICV	02/26/25 2:13	WI250128-7	.609		.63	mg/L	103	90	110			
WG606733ICB	ICB	02/26/25 2:14				U	mg/L		-0.01	0.01			
WG606733LFB	LFB	02/26/25 2:18	WI250201-3	1		1.034	mg/L	103	90	110			
WG606733CCV1	CCV	02/26/25 2:28	WI250225-3	1		.987	mg/L	99	90	110			
WG606733CCB1	CCB	02/26/25 2:31				U	mg/L		-0.01	0.01			
L93151-06AS	AS	02/26/25 2:40	WI250201-3	1	U	.879	mg/L	88	90	110			M2
L93151-07DUP	DUP	02/26/25 2:42			U	U	mg/L				0	20	RA
WG606733CCV2	CCV	02/26/25 2:45	WI250225-3	1		.996	mg/L	100	90	110			
WG606733CCB2	CCB	02/26/25 2:48				U	mg/L		-0.01	0.01			
WG606733CCV3	CCV	02/26/25 3:02	WI250225-3	1		1.028	mg/L	103	90	110			
WG606733CCB3	CCB	02/26/25 3:05				U	mg/L		-0.01	0.01			
WG606733CCV4	CCV	02/26/25 3:18	WI250225-3	1		1	mg/L	100	90	110			
WG606733CCB4	CCB	02/26/25 3:21				U	mg/L		-0.01	0.01			
WG606733CCV5	CCV	02/26/25 3:25	WI250225-3	1		1.015	mg/L	102	90	110			
WG606733CCB5	CCB	02/26/25 3:28				U	mg/L		-0.01	0.01			

GCC

ACZ Project ID: ***L93173***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Potassium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606958													
WG606958ICV	ICV	03/03/25 21:03	II250212-1	20		19.67	mg/L	98	95	105			
WG606958ICB	ICB	03/03/25 21:09				U	mg/L		-1.5	1.5			
WG606958PQV	PQV	03/03/25 21:12	II250225-3	1.002		.86	mg/L	86	70	130			
WG606958SIC	SIC	03/03/25 21:15	II250225-7	1.002		.86	mg/L	86	80	120			
WG606958LFB	LFB	03/03/25 21:22	II250204-5	100.0671		103.2	mg/L	103	85	115			
WG606958CCV1	CCV	03/03/25 21:53	II250226-1	10		10.03	mg/L	100	90	110			
WG606958CCB1	CCB	03/03/25 21:56				U	mg/L		-1.5	1.5			
WG606958CCV2	CCV	03/03/25 22:31	II250226-1	10		10.41	mg/L	104	90	110			
WG606958CCB2	CCB	03/03/25 22:34				U	mg/L		-1.5	1.5			
L93210-02AS	AS	03/03/25 22:44	II250204-5	100.0671	.91	108.1	mg/L	107	85	115			
L93210-02ASD	ASD	03/03/25 22:47	II250204-5	100.0671	.91	106.7	mg/L	106	85	115	1	20	
WG606958CCV3	CCV	03/03/25 22:53	II250226-1	10		10.48	mg/L	105	90	110			
WG606958CCB3	CCB	03/03/25 22:56				U	mg/L		-1.5	1.5			

Residue, Filterable (TDS) @180C SM 2540 C-2011

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607009													
WG607009PBW	PBW	03/03/25 10:04				U	mg/L		-20	20			
WG607009LCSW	LCSW	03/03/25 10:09	PCN627535	1000		1000	mg/L	100	90	110			
L93172-01DUP	DUP	03/03/25 10:19			404	404	mg/L				0	10	

GCC

ACZ Project ID: ***L93173***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Selenium, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606865													
WG606865ICV	ICV	02/28/25 18:28	MS241212-10	.05		.04808	mg/L	96	90	110			
WG606865ICB	ICB	02/28/25 18:29				U	mg/L		-0.00022	0.00022			
WG606865LFB	LFB	02/28/25 18:31	MS250120-3	.05005		.04958	mg/L	99	85	115			
WG606865CCV1	CCV	02/28/25 18:49	MS250126-4	.1001		.09706	mg/L	97	90	110			
WG606865CCB1	CCB	02/28/25 18:51				.00041	mg/L		-0.0003	0.0003			BB
WG606865CCV2	CCV	02/28/25 19:11	MS250126-4	.1001		.099	mg/L	99	90	110			
WG606865CCB2	CCB	02/28/25 19:13				U	mg/L		-0.0003	0.0003			
L93213-03AS	AS	02/28/25 19:17	MS250120-3	.05005	.00016	.05578	mg/L	111	70	130			
L93213-03ASD	ASD	02/28/25 19:19	MS250120-3	.05005	.00016	.05881	mg/L	117	70	130	5	20	
WG606865CCV3	CCV	02/28/25 19:24	MS250126-4	.1001		.09213	mg/L	92	90	110			
WG606865CCB3	CCB	02/28/25 19:26				U	mg/L		-0.0003	0.0003			
WG607023													
WG607023ICV	ICV	03/03/25 16:21	MS241212-10	.05		.04875	mg/L	98	90	110			
WG607023ICB	ICB	03/03/25 16:23				U	mg/L		-0.00022	0.00022			
WG607023LFB	LFB	03/03/25 16:25	MS250120-3	.05005		.05215	mg/L	104	85	115			
L93147-06AS	AS	03/03/25 16:38	MS250120-3	.05005	.00058	.06011	mg/L	119	70	130			
L93147-06ASD	ASD	03/03/25 16:39	MS250120-3	.05005	.00058	.05947	mg/L	118	70	130	1	20	
WG607023CCV1	CCV	03/03/25 16:43	MS250126-4	.1001		.09912	mg/L	99	90	110			
WG607023CCB1	CCB	03/03/25 16:45				U	mg/L		-0.0003	0.0003			
WG607023CCV2	CCV	03/03/25 17:05	MS250126-4	.1001		.09765	mg/L	98	90	110			
WG607023CCB2	CCB	03/03/25 17:07				U	mg/L		-0.0003	0.0003			
L93215-03AS	AS	03/03/25 17:14	MS250120-3	.05005	U	.05638	mg/L	113	70	130			
L93215-03ASD	ASD	03/03/25 17:16	MS250120-3	.05005	U	.05731	mg/L	115	70	130	2	20	
WG607023CCV3	CCV	03/03/25 17:17	MS250126-4	.1001		.09495	mg/L	95	90	110			
WG607023CCB3	CCB	03/03/25 17:19				U	mg/L		-0.0003	0.0003			

Sodium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606958													
WG606958ICV	ICV	03/03/25 21:03	II250212-1	100		100.23	mg/L	100	95	105			
WG606958ICB	ICB	03/03/25 21:09				U	mg/L		-0.6	0.6			
WG606958PQV	PQV	03/03/25 21:12	II250225-3	.9958		.86	mg/L	86	70	130			
WG606958SIC	SIC	03/03/25 21:15	II250225-7	.9958		.83	mg/L	83	80	120			
WG606958LFB	LFB	03/03/25 21:22	II250204-5	100.0605		103.7	mg/L	104	85	115			
WG606958CCV1	CCV	03/03/25 21:53	II250226-1	50		51.09	mg/L	102	90	110			
WG606958CCB1	CCB	03/03/25 21:56				U	mg/L		-0.6	0.6			
WG606958CCV2	CCV	03/03/25 22:31	II250226-1	50		52.45	mg/L	105	90	110			
WG606958CCB2	CCB	03/03/25 22:34				.43	mg/L		-0.6	0.6			
L93210-02AS	AS	03/03/25 22:44	II250204-5	100.0605	3.06	108.7	mg/L	106	85	115			
L93210-02ASD	ASD	03/03/25 22:47	II250204-5	100.0605	3.06	107.6	mg/L	104	85	115	1	20	
WG606958CCV3	CCV	03/03/25 22:53	II250226-1	50		52.15	mg/L	104	90	110			
WG606958CCB3	CCB	03/03/25 22:56				.22	mg/L		-0.6	0.6			

GCC

ACZ Project ID: ***L93173***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate ASTM D516-07/-11/-16

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606769													
WG606769ICV	ICV	02/26/25 12:37	WI250214-1	20.06		21.7	mg/L	108	85	115			
WG606769ICB	ICB	02/26/25 12:37				U	mg/L		-2.5	2.5			
WG606769CCV1	CCV	02/26/25 14:18	WI250225-1	25		27.1	mg/L	108	85	115			
WG606769CCB1	CCB	02/26/25 14:18				U	mg/L		-2.5	2.5			
WG606769LFB	LFB	02/26/25 14:18	WI241001-1	10		10.2	mg/L	102	85	115			
WG606769CCV2	CCV	02/26/25 14:21	WI250225-1	25		25.5	mg/L	102	85	115			
WG606769CCB2	CCB	02/26/25 14:21				U	mg/L		-2.5	2.5			
WG606769CCV3	CCV	02/26/25 14:25	WI250225-1	25		24.9	mg/L	100	85	115			
WG606769CCB3	CCB	02/26/25 14:25				U	mg/L		-2.5	2.5			
WG606769CCV4	CCV	02/26/25 14:29	WI250225-1	25		26	mg/L	104	85	115			
WG606769CCB4	CCB	02/26/25 14:29				U	mg/L		-2.5	2.5			
WG606769CCV8	CCV	02/26/25 14:45	WI250225-1	25		26.8	mg/L	107	85	115			
WG606769CCB8	CCB	02/26/25 14:45				U	mg/L		-2.5	2.5			
WG606769CCV9	CCV	02/26/25 14:49	WI250225-1	25		26	mg/L	104	85	115			
WG606769CCB9	CCB	02/26/25 14:50				U	mg/L		-2.5	2.5			
WG606769CCV11	CCV	02/26/25 14:59	WI250225-1	25		26.9	mg/L	108	85	115			
WG606769CCB11	CCB	02/26/25 14:59				U	mg/L		-2.5	2.5			
L93173-02AS	AS	02/26/25 15:00	SO4TURB25X	10	353	278.1	mg/L	-749	85	115			M3
L93173-02ASD	ASD	02/26/25 15:00	SO4TURB25X	10	353	332.8	mg/L	-202	85	115	18	20	M3
WG606769CCV12	CCV	02/26/25 15:00	WI250225-1	25		26.1	mg/L	104	85	115			
WG606769CCB12	CCB	02/26/25 15:01				U	mg/L		-2.5	2.5			

Vanadium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606958													
WG606958ICV	ICV	03/03/25 21:03	II250212-1	2		1.97	mg/L	99	95	105			
WG606958ICB	ICB	03/03/25 21:09				U	mg/L		-0.015	0.015			
WG606958PQV	PQV	03/03/25 21:12	II250225-3	.025025		.026	mg/L	104	70	130			
WG606958SIC	SIC	03/03/25 21:15	II250225-7	.1001		.098	mg/L	98	80	120			
WG606958LFB	LFB	03/03/25 21:22	II250204-5	.5005		.5288	mg/L	106	85	115			
WG606958CCV1	CCV	03/03/25 21:53	II250226-1	1		1.013	mg/L	101	90	110			
WG606958CCB1	CCB	03/03/25 21:56				U	mg/L		-0.03	0.03			
WG606958CCV2	CCV	03/03/25 22:31	II250226-1	1		1.027	mg/L	103	90	110			
WG606958CCB2	CCB	03/03/25 22:34				U	mg/L		-0.03	0.03			
L93210-02AS	AS	03/03/25 22:44	II250204-5	.5005	U	.5357	mg/L	107	85	115			
L93210-02ASD	ASD	03/03/25 22:47	II250204-5	.5005	U	.53	mg/L	106	85	115	1	20	
WG606958CCV3	CCV	03/03/25 22:53	II250226-1	1		1.032	mg/L	103	90	110			
WG606958CCB3	CCB	03/03/25 22:56				U	mg/L		-0.03	0.03			

GCC

ACZ Project ID: ***L93173***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Zinc, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG606958													
WG606958ICV	ICV	03/03/25 21:03	II250212-1	2		1.96	mg/L	98	95	105			
WG606958ICB	ICB	03/03/25 21:09				U	mg/L		-0.06	0.06			
WG606958PQV	PQV	03/03/25 21:12	II250225-3	.0502		.048	mg/L	96	70	130			
WG606958SIC	SIC	03/03/25 21:15	II250225-7	.1004		.092	mg/L	92	80	120			
WG606958LFB	LFB	03/03/25 21:22	II250204-5	.50045		.525	mg/L	105	85	115			
WG606958CCV1	CCV	03/03/25 21:53	II250226-1	1		1.002	mg/L	100	90	110			
WG606958CCB1	CCB	03/03/25 21:56				U	mg/L		-0.06	0.06			
WG606958CCV2	CCV	03/03/25 22:31	II250226-1	1		1.036	mg/L	104	90	110			
WG606958CCB2	CCB	03/03/25 22:34				U	mg/L		-0.06	0.06			
L93210-02AS	AS	03/03/25 22:44	II250204-5	.50045	U	.559	mg/L	112	85	115			
L93210-02ASD	ASD	03/03/25 22:47	II250204-5	.50045	U	.551	mg/L	110	85	115	1	20	
WG606958CCV3	CCV	03/03/25 22:53	II250226-1	1		1.049	mg/L	105	90	110			
WG606958CCB3	CCB	03/03/25 22:56				U	mg/L		-0.06	0.06			

GCC Rio Grande ACZ Project ID: ***L93173***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93173-01	WG606865	Arsenic, dissolved	EPA 200.8	BF	Target analyte in prep / method blank at or above the acceptance criteria. Target analyte was not detected in the sample [< MDL].
	WG606733	Nitrite as N	EPA 353.2	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607023	Selenium, dissolved	EPA 200.8	DB	Sample required dilution due to low bias result.
	WG606769	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L93173-02	WG606733	Nitrite as N	EPA 353.2	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606865	Selenium, dissolved	EPA 200.8	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
	WG606769	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

GCC Rio Grande ACZ Project ID: ***L93173***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

GCC Rio Grande

ACZ Project ID: L93173
Date Received: 02/25/2025 12:56
Received By:
Date Printed: 2/26/2025

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
NA44367	4.9	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

GCC Rio Grande

ACZ Project ID:	L93173
Date Received:	02/25/2025 12:56
Received By:	
Date Printed:	2/26/2025

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ LABORATORIES | Accredited Environmental Testing | 2773 Downhill Drive, Steamboat Springs, CO 80487, (970) 879-6590 | L93173

CHAIN of CUSTODY

Report to:

Name: Meghan Way	Address: 3372 Lime Road
Company: GCC Rio Grande Inc	Pueblo CO 81004
E-mail: meghanway@gcc.com	Telephone: 719-647-6861

Copy of Report to:

Name: Landon Beck	E-mail: lbeck@slrconsulting.com
Company: SLR Consulting	Telephone: (970) 459-4865

Invoice to:

Name: Meghan Way	Address: 3372 Lime Road
Company: GCC Rio Grande Inc	Pueblo CO 81004
E-mail: meghanway@gcc.com	Telephone: 719-647-6861

Copy of Invoice to:

Name: Amy Rodrigues	Address:
Company: GCC Rio Grande Inc	
E-mail: aveek@gcc.com	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES ✓ NO

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring? Yes ☐ No ✓

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Meghan Way **Sampler's Site Information** State CO Zip code 81004 Time Zone MST

***Sampler's Signature:** [signature]

*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

PROJECT INFORMATION

Quote #: GW-COMPLIANCE

PO#: 310180

Reporting state for compliance testing:

Check box if samples include NRC licensed material? ☐

ANALYSES REQUESTED (attach list or use quote number)

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	GW-COmpliance
MW-21	2/24/2025 12:57	GW	3	✓
MW-23	2/24/2025 14:04	GW	3	✓

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
[signature]	2/24/25 16:01	[signature]	2/25/25 1256

Qualtrax ID: 1984 Revision #: 2 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

March 19, 2025

Report to:
Meghan Way
GCC Rio Grande
3372 Lime Road
Pueblo, CO 81004

cc: Landon Beck

Bill to:
Meghan Way
GCC Rio Grande
3372 Lime Road
Pueblo, CO 81004

Project ID:
ACZ Project ID: L93296

Meghan Way:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on March 04, 2025. This project has been assigned to ACZ's project number, L93296. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L93296. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after March 19, 2026. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Sue Webber has reviewed and approved this report.

GCC Rio Grande
Project ID:
Sample ID: MW-14

ACZ Sample ID: ***L93296-01***
Date Sampled: *03/03/25 10:59*
Date Received: *03/04/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	EPA 200.7	1	<0.07	U		mg/L	0.07	0.25	03/07/25 23:18	msp
Arsenic, dissolved	EPA 200.8	5	0.00252	B		mg/L	0.001	0.005	03/06/25 13:00	gjl
Beryllium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/07/25 23:18	msp
Boron, dissolved	EPA 200.7	1	1.17		*	mg/L	0.03	0.1	03/07/25 23:18	msp
Cadmium, dissolved	EPA 200.8	5	<0.00025	U		mg/L	0.00025	0.00125	03/06/25 13:00	gjl
Calcium, dissolved	EPA 200.7	1	14.3			mg/L	0.1	0.5	03/07/25 23:18	msp
Chromium, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	03/07/25 23:18	msp
Cobalt, dissolved	EPA 200.8	5	<0.00025	U		mg/L	0.00025	0.00125	03/06/25 13:00	gjl
Copper, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/07/25 23:18	msp
Iron, dissolved	EPA 200.7	1	0.625			mg/L	0.06	0.15	03/07/25 23:18	msp
Lead, dissolved	EPA 200.8	5	<0.0005	U		mg/L	0.0005	0.0025	03/06/25 13:00	gjl
Lithium, dissolved	EPA 200.7	1	0.372			mg/L	0.008	0.04	03/07/25 23:18	msp
Magnesium, dissolved	EPA 200.7	1	4.88			mg/L	0.2	1	03/07/25 23:18	msp
Manganese, dissolved	EPA 200.7	1	0.012	B		mg/L	0.01	0.05	03/07/25 23:18	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/12/25 9:57	rjw
Nickel, dissolved	EPA 200.7	1	<0.008	U		mg/L	0.008	0.04	03/07/25 23:18	msp
Potassium, dissolved	EPA 200.7	1	4.81			mg/L	0.5	1	03/07/25 23:18	msp
Selenium, dissolved	EPA 200.8	20	<0.002	U	*	mg/L	0.002	0.005	03/07/25 9:03	gjl
Sodium, dissolved	EPA 200.7	5	1680		*	mg/L	1	5	03/08/25 12:39	wtc
Vanadium, dissolved	EPA 200.7	5	<0.05	U		mg/L	0.05	0.125	03/08/25 12:39	wtc
Zinc, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	03/07/25 23:18	msp

GCC Rio Grande
Project ID:
Sample ID: MW-14

ACZ Sample ID: ***L93296-01***
Date Sampled: *03/03/25 10:59*
Date Received: *03/04/25*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	1330			mg/L	2	20	03/13/25 0:00	jck
Carbonate as CaCO3		1	68.7			mg/L	2	20	03/13/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/13/25 0:00	jck
Total Alkalinity		1	1400			mg/L	2	20	03/13/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-7.4			%			03/19/25 0:00	calc
Sum of Anions			87			meq/L			03/19/25 0:00	calc
Sum of Cations			75			meq/L			03/19/25 0:00	calc
Chloride	SM 4500-Cl E-2011	100	1940			mg/L	100	200	03/10/25 9:35	jqr
Fluoride	SM 4500-F C-2011	1	3.55			mg/L	0.15	0.35	03/12/25 18:53	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		56			mg/L	0.2	5	03/19/25 0:00	calc
Nitrate as N	Calculation (NO3NO2-NO2)		<0.02	U		mg/L	0.02	0.1	03/19/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U		mg/L	0.02	0.1	03/05/25 0:02	pjb
Nitrite as N	EPA 353.2	1	<0.01	U	*	mg/L	0.01	0.05	03/05/25 0:02	pjb
Residue, Filterable (TDS) @180C	SM 2540 C-2011	2	4580			mg/L	40	80	03/10/25 10:34	lgh
Sulfate	ASTM D516-07/-11/-16	5	196		*	mg/L	5	25	03/06/25 10:13	jqr
TDS (calculated)	Calculation		4700			mg/L			03/19/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.97						03/19/25 0:00	calc

GCC Rio Grande
Project ID:
Sample ID: MW-13

ACZ Sample ID: ***L93296-02***
Date Sampled: *03/03/25 11:36*
Date Received: *03/04/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	EPA 200.7	1	<0.07	U		mg/L	0.07	0.25	03/07/25 23:28	msp
Arsenic, dissolved	EPA 200.8	5	<0.001	U		mg/L	0.001	0.005	03/06/25 13:03	gjl
Beryllium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/07/25 23:28	msp
Boron, dissolved	EPA 200.7	1	1.04			mg/L	0.03	0.1	03/07/25 23:28	msp
Cadmium, dissolved	EPA 200.8	5	<0.00025	U		mg/L	0.00025	0.00125	03/06/25 13:03	gjl
Calcium, dissolved	EPA 200.7	1	6.65			mg/L	0.1	0.5	03/07/25 23:28	msp
Chromium, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	03/07/25 23:28	msp
Cobalt, dissolved	EPA 200.8	5	0.000313	B		mg/L	0.00025	0.00125	03/06/25 13:03	gjl
Copper, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/07/25 23:28	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/07/25 23:28	msp
Lead, dissolved	EPA 200.8	5	<0.0005	U		mg/L	0.0005	0.0025	03/06/25 13:03	gjl
Lithium, dissolved	EPA 200.7	1	0.207			mg/L	0.008	0.04	03/07/25 23:28	msp
Magnesium, dissolved	EPA 200.7	1	1.90			mg/L	0.2	1	03/07/25 23:28	msp
Manganese, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/07/25 23:28	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/12/25 9:58	rjw
Nickel, dissolved	EPA 200.7	1	<0.008	U		mg/L	0.008	0.04	03/07/25 23:28	msp
Potassium, dissolved	EPA 200.7	1	2.86			mg/L	0.5	1	03/07/25 23:28	msp
Selenium, dissolved	EPA 200.8	5	<0.0005	U	*	mg/L	0.0005	0.00125	03/06/25 13:03	gjl
Sodium, dissolved	EPA 200.7	1	973			mg/L	0.2	1	03/07/25 23:28	msp
Vanadium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.025	03/10/25 19:35	msp
Zinc, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	03/07/25 23:28	msp

GCC Rio Grande
Project ID:
Sample ID: MW-13

ACZ Sample ID: ***L93296-02***
Date Sampled: *03/03/25 11:36*
Date Received: *03/04/25*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	1130			mg/L	2	20	03/14/25 0:00	jck
Carbonate as CaCO3		1	100.0			mg/L	2	20	03/14/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/14/25 0:00	jck
Total Alkalinity		1	1230		*	mg/L	2	20	03/14/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-5.5			%			03/19/25 0:00	calc
Sum of Anions			48			meq/L			03/19/25 0:00	calc
Sum of Cations			43			meq/L			03/19/25 0:00	calc
Chloride	SM 4500-Cl E-2011	50	680			mg/L	50	100	03/10/25 9:35	jqr
Fluoride	SM 4500-F C-2011	1	6.51			mg/L	0.15	0.35	03/12/25 19:05	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		24			mg/L	0.2	5	03/19/25 0:00	calc
Nitrate as N	Calculation (NO3NO2-NO2)		<0.02	U		mg/L	0.02	0.1	03/19/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U		mg/L	0.02	0.1	03/05/25 0:03	pjb
Nitrite as N	EPA 353.2	1	<0.01	U	*	mg/L	0.01	0.05	03/05/25 0:03	pjb
Residue, Filterable (TDS) @180C	SM 2540 C-2011	2	2630			mg/L	40	80	03/10/25 10:36	lgh
Sulfate	ASTM D516-07/-11/-16	5	198		*	mg/L	5	25	03/06/25 10:14	jqr
TDS (calculated)	Calculation		2620			mg/L			03/19/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.00						03/19/25 0:00	calc

GCC Rio Grande
Project ID:
Sample ID: MW-3B

ACZ Sample ID: ***L93296-03***
Date Sampled: *03/03/25 12:00*
Date Received: *03/04/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	EPA 200.7	1	<0.07	U		mg/L	0.07	0.25	03/07/25 23:31	msp
Arsenic, dissolved	EPA 200.8	1	<0.0002	U		mg/L	0.0002	0.001	03/06/25 13:05	gjl
Beryllium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/07/25 23:31	msp
Boron, dissolved	EPA 200.7	1	<0.03	U		mg/L	0.03	0.1	03/07/25 23:31	msp
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	03/06/25 13:05	gjl
Calcium, dissolved	EPA 200.7	1	<0.1	U		mg/L	0.1	0.5	03/07/25 23:31	msp
Chromium, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	03/07/25 23:31	msp
Cobalt, dissolved	EPA 200.8	1	0.000200	B		mg/L	0.00005	0.00025	03/06/25 13:05	gjl
Copper, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/07/25 23:31	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/07/25 23:31	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/06/25 13:05	gjl
Lithium, dissolved	EPA 200.7	1	<0.008	U		mg/L	0.008	0.04	03/07/25 23:31	msp
Magnesium, dissolved	EPA 200.7	1	<0.2	U		mg/L	0.2	1	03/07/25 23:31	msp
Manganese, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/07/25 23:31	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/12/25 9:59	rjw
Nickel, dissolved	EPA 200.7	1	<0.008	U		mg/L	0.008	0.04	03/07/25 23:31	msp
Potassium, dissolved	EPA 200.7	1	<0.5	U		mg/L	0.5	1	03/07/25 23:31	msp
Selenium, dissolved	EPA 200.8	1	<0.0001	U	*	mg/L	0.0001	0.00025	03/06/25 13:05	gjl
Sodium, dissolved	EPA 200.7	1	0.43	B		mg/L	0.2	1	03/07/25 23:31	msp
Vanadium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.025	03/10/25 19:45	msp
Zinc, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	03/07/25 23:31	msp

GCC Rio Grande
Project ID:
Sample ID: MW-3B

ACZ Sample ID: ***L93296-03***
Date Sampled: *03/03/25 12:00*
Date Received: *03/04/25*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	<2	U		mg/L	2	20	03/14/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	03/14/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/14/25 0:00	jck
Total Alkalinity		1	<2	U	*	mg/L	2	20	03/14/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			n/a			%			03/19/25 0:00	calc
Sum of Anions			<	U		meq/L			03/19/25 0:00	calc
Sum of Cations			<	U		meq/L			03/19/25 0:00	calc
Chloride	SM 4500-Cl E-2011	1	<1	U		mg/L	1	2	03/10/25 9:13	jqr
Fluoride	SM 4500-F C-2011	1	<0.15	U		mg/L	0.15	0.35	03/12/25 19:13	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		<0.2	U		mg/L	0.2	5	03/19/25 0:00	calc
Nitrate as N	Calculation (NO3NO2-NO2)		<0.02	U		mg/L	0.02	0.1	03/19/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U		mg/L	0.02	0.1	03/05/25 0:05	pjb
Nitrite as N	EPA 353.2	1	<0.01	U	*	mg/L	0.01	0.05	03/05/25 0:05	pjb
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	<20	U	*	mg/L	20	40	03/10/25 10:39	lgh
Sulfate	ASTM D516-07/-11/-16	1	<1	U	*	mg/L	1	5	03/06/25 10:04	jqr
TDS (calculated)	Calculation		0.43			mg/L			03/19/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		n/a						03/19/25 0:00	calc

GCC Rio Grande
Project ID:
Sample ID: MW-9

ACZ Sample ID: ***L93296-04***
Date Sampled: *03/03/25 12:38*
Date Received: *03/04/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	EPA 200.7	1	<0.07	U		mg/L	0.07	0.25	03/07/25 23:34	msp
Arsenic, dissolved	EPA 200.8	1	0.00079	B		mg/L	0.0002	0.001	03/06/25 13:07	gjl
Beryllium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/07/25 23:34	msp
Boron, dissolved	EPA 200.7	1	1.36			mg/L	0.03	0.1	03/07/25 23:34	msp
Cadmium, dissolved	EPA 200.8	1	0.000113	B		mg/L	0.00005	0.00025	03/06/25 13:07	gjl
Calcium, dissolved	EPA 200.7	1	399			mg/L	0.1	0.5	03/07/25 23:34	msp
Chromium, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	03/07/25 23:34	msp
Cobalt, dissolved	EPA 200.8	1	0.00166			mg/L	0.00005	0.00025	03/06/25 13:07	gjl
Copper, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/07/25 23:34	msp
Iron, dissolved	EPA 200.7	1	2.22			mg/L	0.06	0.15	03/07/25 23:34	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/06/25 13:07	gjl
Lithium, dissolved	EPA 200.7	1	0.387			mg/L	0.008	0.04	03/07/25 23:34	msp
Magnesium, dissolved	EPA 200.7	1	157			mg/L	0.2	1	03/07/25 23:34	msp
Manganese, dissolved	EPA 200.7	1	0.353			mg/L	0.01	0.05	03/07/25 23:34	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/12/25 10:01	rjw
Nickel, dissolved	EPA 200.7	1	<0.008	U		mg/L	0.008	0.04	03/07/25 23:34	msp
Potassium, dissolved	EPA 200.7	1	8.66			mg/L	0.5	1	03/07/25 23:34	msp
Selenium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	03/07/25 9:05	gjl
Sodium, dissolved	EPA 200.7	1	817			mg/L	0.2	1	03/07/25 23:34	msp
Vanadium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.025	03/10/25 19:48	msp
Zinc, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	03/07/25 23:34	msp

GCC Rio Grande
Project ID:
Sample ID: MW-9

ACZ Sample ID: ***L93296-04***
Date Sampled: *03/03/25 12:38*
Date Received: *03/04/25*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	398			mg/L	2	20	03/14/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	03/14/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/14/25 0:00	jck
Total Alkalinity		1	398		*	mg/L	2	20	03/14/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-8.0			%			03/19/25 0:00	calc
Sum of Anions			81			meq/L			03/19/25 0:00	calc
Sum of Cations			69			meq/L			03/19/25 0:00	calc
Chloride	SM 4500-Cl E-2011	1	46.0			mg/L	1	2	03/10/25 9:13	jqr
Fluoride	SM 4500-F C-2011	1	0.44			mg/L	0.15	0.35	03/12/25 19:16	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		1640			mg/L	0.2	5	03/19/25 0:00	calc
Nitrate as N	Calculation (NO3NO2-NO2)		<0.02	U		mg/L	0.02	0.1	03/19/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U		mg/L	0.02	0.1	03/05/25 0:06	pjb
Nitrite as N	EPA 353.2	1	<0.01	U	*	mg/L	0.01	0.05	03/05/25 0:06	pjb
Residue, Filterable (TDS) @180C	SM 2540 C-2011	2	4660			mg/L	40	80	03/10/25 10:42	lgh
Sulfate	ASTM D516-07/-11/-16	100	3410		*	mg/L	100	500	03/06/25 10:37	jqr
TDS (calculated)	Calculation		5080			mg/L			03/19/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.92						03/19/25 0:00	calc

GCC Rio Grande
Project ID:
Sample ID: MW-10

ACZ Sample ID: ***L93296-05***
Date Sampled: *03/03/25 13:08*
Date Received: *03/04/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	EPA 200.7	1	<0.07	U		mg/L	0.07	0.25	03/07/25 23:37	msp
Arsenic, dissolved	EPA 200.8	1	0.00043	B		mg/L	0.0002	0.001	03/06/25 13:09	gjl
Beryllium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/07/25 23:37	msp
Boron, dissolved	EPA 200.7	1	1.23			mg/L	0.03	0.1	03/07/25 23:37	msp
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	03/06/25 13:09	gjl
Calcium, dissolved	EPA 200.7	1	25.9			mg/L	0.1	0.5	03/07/25 23:37	msp
Chromium, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	03/07/25 23:37	msp
Cobalt, dissolved	EPA 200.8	1	0.000287			mg/L	0.00005	0.00025	03/06/25 13:09	gjl
Copper, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/07/25 23:37	msp
Iron, dissolved	EPA 200.7	1	0.184			mg/L	0.06	0.15	03/07/25 23:37	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/06/25 13:09	gjl
Lithium, dissolved	EPA 200.7	1	0.205			mg/L	0.008	0.04	03/07/25 23:37	msp
Magnesium, dissolved	EPA 200.7	1	8.78			mg/L	0.2	1	03/07/25 23:37	msp
Manganese, dissolved	EPA 200.7	1	0.012	B		mg/L	0.01	0.05	03/07/25 23:37	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/12/25 10:02	rjw
Nickel, dissolved	EPA 200.7	1	<0.008	U		mg/L	0.008	0.04	03/07/25 23:37	msp
Potassium, dissolved	EPA 200.7	1	4.15			mg/L	0.5	1	03/07/25 23:37	msp
Selenium, dissolved	EPA 200.8	5	<0.0005	U	*	mg/L	0.0005	0.00125	03/07/25 9:07	gjl
Sodium, dissolved	EPA 200.7	1	878			mg/L	0.2	1	03/07/25 23:37	msp
Vanadium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.025	03/10/25 19:51	msp
Zinc, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	03/07/25 23:37	msp

GCC Rio Grande
Project ID:
Sample ID: MW-10

ACZ Sample ID: ***L93296-05***
Date Sampled: *03/03/25 13:08*
Date Received: *03/04/25*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	659			mg/L	2	20	03/14/25 0:00	jck
Carbonate as CaCO3		1	49.4			mg/L	2	20	03/14/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/14/25 0:00	jck
Total Alkalinity		1	708		*	mg/L	2	20	03/14/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-5.7			%			03/19/25 0:00	calc
Sum of Anions			46			meq/L			03/19/25 0:00	calc
Sum of Cations			41			meq/L			03/19/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	422			mg/L	25	50	03/10/25 9:36	jqr
Fluoride	SM 4500-F C-2011	1	1.56			mg/L	0.15	0.35	03/12/25 19:20	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		101			mg/L	0.2	5	03/19/25 0:00	calc
Nitrate as N	Calculation (NO3NO2-NO2)		<0.02	U		mg/L	0.02	0.1	03/19/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/05/25 0:07	pjb
Nitrite as N	EPA 353.2	1	<0.01	U	*	mg/L	0.01	0.05	03/05/25 0:07	pjb
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	2710			mg/L	20	40	03/10/25 10:44	lgh
Sulfate	ASTM D516-07/-11/-16	50	937		*	mg/L	50	250	03/06/25 10:38	jqr
TDS (calculated)	Calculation		2710			mg/L			03/19/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.00						03/19/25 0:00	calc

GCC Rio Grande
Project ID:
Sample ID: MW-18

ACZ Sample ID: ***L93296-06***
Date Sampled: *03/03/25 13:45*
Date Received: *03/04/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	EPA 200.7	1	<0.07	U		mg/L	0.07	0.25	03/07/25 23:40	msp
Arsenic, dissolved	EPA 200.8	1	0.00353			mg/L	0.0002	0.001	03/06/25 13:12	gjl
Beryllium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/07/25 23:40	msp
Boron, dissolved	EPA 200.7	1	0.646			mg/L	0.03	0.1	03/07/25 23:40	msp
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	03/06/25 13:12	gjl
Calcium, dissolved	EPA 200.7	1	58.4			mg/L	0.1	0.5	03/07/25 23:40	msp
Chromium, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	03/07/25 23:40	msp
Cobalt, dissolved	EPA 200.8	1	0.000594			mg/L	0.00005	0.00025	03/06/25 13:12	gjl
Copper, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/07/25 23:40	msp
Iron, dissolved	EPA 200.7	1	0.223			mg/L	0.06	0.15	03/07/25 23:40	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/06/25 13:12	gjl
Lithium, dissolved	EPA 200.7	1	0.122			mg/L	0.008	0.04	03/07/25 23:40	msp
Magnesium, dissolved	EPA 200.7	1	13.0			mg/L	0.2	1	03/07/25 23:40	msp
Manganese, dissolved	EPA 200.7	1	0.066			mg/L	0.01	0.05	03/07/25 23:40	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/12/25 10:05	rjw
Nickel, dissolved	EPA 200.7	1	<0.008	U		mg/L	0.008	0.04	03/07/25 23:40	msp
Potassium, dissolved	EPA 200.7	1	2.91			mg/L	0.5	1	03/07/25 23:40	msp
Selenium, dissolved	EPA 200.8	2	<0.0002	U	*	mg/L	0.0002	0.0005	03/07/25 9:09	gjl
Sodium, dissolved	EPA 200.7	1	257			mg/L	0.2	1	03/07/25 23:40	msp
Vanadium, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.025	03/10/25 19:54	msp
Zinc, dissolved	EPA 200.7	1	<0.02	U		mg/L	0.02	0.05	03/07/25 23:40	msp

GCC Rio Grande
Project ID:
Sample ID: MW-18

ACZ Sample ID: ***L93296-06***
Date Sampled: *03/03/25 13:45*
Date Received: *03/04/25*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	357			mg/L	2	20	03/14/25 0:00	jck
Carbonate as CaCO3		1	12.2	B		mg/L	2	20	03/14/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/14/25 0:00	jck
Total Alkalinity		1	369		*	mg/L	2	20	03/14/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-6.3			%			03/19/25 0:00	calc
Sum of Anions			17			meq/L			03/19/25 0:00	calc
Sum of Cations			15			meq/L			03/19/25 0:00	calc
Chloride	SM 4500-Cl E-2011	1	26.9			mg/L	1	2	03/10/25 9:14	jqr
Fluoride	SM 4500-F C-2011	1	1.54			mg/L	0.15	0.35	03/12/25 19:23	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		199			mg/L	0.2	5	03/19/25 0:00	calc
Nitrate as N	Calculation (NO3NO2-NO2)		0.022	B		mg/L	0.02	0.1	03/19/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.022	B	*	mg/L	0.02	0.1	03/05/25 0:10	pjb
Nitrite as N	EPA 353.2	1	<0.01	U	*	mg/L	0.01	0.05	03/05/25 0:10	pjb
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	932			mg/L	20	40	03/10/25 10:47	lgh
Sulfate	ASTM D516-07/-11/-16	25	405		*	mg/L	25	125	03/06/25 10:38	jqr
TDS (calculated)	Calculation		990			mg/L			03/19/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.94						03/19/25 0:00	calc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4) EPA SW-846. Test Methods for Evaluating Solid Waste.
(5) Standard Methods for the Examination of Water and Wastewater.

Comments

(1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5) If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

GCC

ACZ Project ID: ***L93296***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607706													
WG607706PBW1	PBW	03/13/25 17:30				3.7	mg/L		-20	20			
WG607706LCSW3	LCSW	03/13/25 17:42	WC250215-1	820.0001		795.6	mg/L	97	90	110			
WG607706LCSW6	LCSW	03/13/25 19:54	WC250215-1	820.0001		791.3	mg/L	96	90	110			
WG607706PBW2	PBW	03/13/25 20:02				U	mg/L		-20	20			
L93296-01DUP	DUP	03/13/25 22:46			1400	1380	mg/L				1	20	
WG607706LCSW9	LCSW	03/13/25 23:04	WC250215-1	820.0001		797.9	mg/L	97	90	110			
WG607706PBW3	PBW	03/13/25 23:13				U	mg/L		-20	20			
L93296-03DUP	DUP	03/14/25 1:00			U	U	mg/L				0	20	RA
L93408-03DUP	DUP	03/14/25 2:23			7	7.3	mg/L				4	20	RA
WG607706LCSW12	LCSW	03/14/25 2:35	WC250215-1	820.0001		794.7	mg/L	97	90	110			
WG607706PBW4	PBW	03/14/25 2:43				U	mg/L		-20	20			
WG607706LCSW15	LCSW	03/14/25 6:00	WC250215-1	820.0001		803.6	mg/L	98	90	110			
WG607706PBW5	PBW	03/14/25 6:09				U	mg/L		-20	20			
WG607706LCSW18	LCSW	03/14/25 9:17	WC250215-1	820.0001		799.9	mg/L	98	90	110			

Aluminum, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607361													
WG607361ICV	ICV	03/07/25 22:22	II250305-1	2		1.945	mg/L	97	95	105			
WG607361ICB	ICB	03/07/25 22:28				U	mg/L		-0.15	0.15			
WG607361PQV	PQV	03/07/25 22:31	II250225-3	.250625		.223	mg/L	89	70	130			
WG607361SIC	SIC	03/07/25 22:34	II250225-7	200.750625		203.8	mg/L	102					
WG607361LFB	LFB	03/07/25 22:40	II250305-3	1.0025		.982	mg/L	98	85	115			
WG607361CCV1	CCV	03/07/25 23:12	II250204-1	1		.969	mg/L	97	90	110			
WG607361CCB1	CCB	03/07/25 23:15				U	mg/L		-0.15	0.15			
L93296-01AS	AS	03/07/25 23:21	II250305-3	1.0025	U	.993	mg/L	99	85	115			
L93296-01ASD	ASD	03/07/25 23:25	II250305-3	1.0025	U	1	mg/L	100	85	115	1	20	
WG607361CCV2	CCV	03/07/25 23:49	II250204-1	1		.964	mg/L	96	90	110			
WG607361CCB2	CCB	03/07/25 23:52				U	mg/L		-0.15	0.15			
L93306-03AS	AS	03/08/25 0:01	II250305-3	1.0025	U	1.031	mg/L	103	85	115			
L93306-03ASD	ASD	03/08/25 0:05	II250305-3	1.0025	U	.992	mg/L	99	85	115	4	20	
WG607361CCV3	CCV	03/08/25 0:11	II250204-1	1		.952	mg/L	95	90	110			
WG607361CCB3	CCB	03/08/25 0:14				U	mg/L		-0.15	0.15			

Arsenic, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607233													
WG607233ICV	ICV	03/06/25 12:49	MS241212-10	.05		.04737	mg/L	95	90	110			
WG607233ICB	ICB	03/06/25 12:51				U	mg/L		-0.00044	0.00044			
WG607233LFB	LFB	03/06/25 12:54	MS250120-3	.0501		.04858	mg/L	97	85	115			
WG607233CCV1	CCV	03/06/25 13:14	MS250126-4	.1002		.10207	mg/L	102	90	110			
WG607233CCB1	CCB	03/06/25 13:16				U	mg/L		-0.0006	0.0006			
L93306-02AS	AS	03/06/25 13:23	MS250120-3	.0501	.00031	.05382	mg/L	107	70	130			
L93306-02ASD	ASD	03/06/25 13:25	MS250120-3	.0501	.00031	.05016	mg/L	100	70	130	7	20	
WG607233CCV2	CCV	03/06/25 13:38	MS250126-4	.1002		.10031	mg/L	100	90	110			
WG607233CCB2	CCB	03/06/25 13:41				U	mg/L		-0.0006	0.0006			
WG607233CCV3	CCV	03/06/25 13:59	MS250126-4	.1002		.10956	mg/L	109	90	110			
WG607233CCB3	CCB	03/06/25 14:01				U	mg/L		-0.0006	0.0006			

GCC

ACZ Project ID: ***L93296***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Beryllium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607361													
WG607361ICV	ICV	03/07/25 22:22	II250305-1	2		1.896	mg/L	95	95	105			
WG607361ICB	ICB	03/07/25 22:28				U	mg/L		-0.03	0.03			
WG607361PQV	PQV	03/07/25 22:31	II250225-3	.05005		.049	mg/L	98	70	130			
WG607361SIC	SIC	03/07/25 22:34	II250225-7	.1001		.095	mg/L	95					
WG607361LFB	LFB	03/07/25 22:40	II250305-3	.5005		.493	mg/L	99	85	115			
WG607361CCV1	CCV	03/07/25 23:12	II250204-1	1		.96	mg/L	96	90	110			
WG607361CCB1	CCB	03/07/25 23:15				U	mg/L		-0.03	0.03			
L93296-01AS	AS	03/07/25 23:21	II250305-3	.5005	U	.486	mg/L	97	85	115			
L93296-01ASD	ASD	03/07/25 23:25	II250305-3	.5005	U	.476	mg/L	95	85	115	2	20	
WG607361CCV2	CCV	03/07/25 23:49	II250204-1	1		.96	mg/L	96	90	110			
WG607361CCB2	CCB	03/07/25 23:52				U	mg/L		-0.03	0.03			
L93306-03AS	AS	03/08/25 0:01	II250305-3	.5005	U	.487	mg/L	97	85	115			
L93306-03ASD	ASD	03/08/25 0:05	II250305-3	.5005	U	.486	mg/L	97	85	115	0	20	
WG607361CCV3	CCV	03/08/25 0:11	II250204-1	1		.952	mg/L	95	90	110			
WG607361CCB3	CCB	03/08/25 0:14				U	mg/L		-0.03	0.03			

Boron, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607361													
WG607361ICV	ICV	03/07/25 22:22	II250305-1	2		2.007	mg/L	100	95	105			
WG607361ICB	ICB	03/07/25 22:28				U	mg/L		-0.09	0.09			
WG607361PQV	PQV	03/07/25 22:31	II250225-3	.1001		.103	mg/L	103	70	130			
WG607361SIC	SIC	03/07/25 22:34	II250225-7	.1001		.092	mg/L	92					
WG607361LFB	LFB	03/07/25 22:40	II250305-3	.5005		.495	mg/L	99	85	115			
WG607361CCV1	CCV	03/07/25 23:12	II250204-1	1		1.017	mg/L	102	90	110			
WG607361CCB1	CCB	03/07/25 23:15				U	mg/L		-0.09	0.09			
L93296-01AS	AS	03/07/25 23:21	II250305-3	.5005	1.17	1.606	mg/L	87	85	115			
L93296-01ASD	ASD	03/07/25 23:25	II250305-3	.5005	1.17	1.571	mg/L	80	85	115	2	20	MA
WG607361CCV2	CCV	03/07/25 23:49	II250204-1	1		1	mg/L	100	90	110			
WG607361CCB2	CCB	03/07/25 23:52				U	mg/L		-0.09	0.09			
L93306-03AS	AS	03/08/25 0:01	II250305-3	.5005	.033	.538	mg/L	101	85	115			
L93306-03ASD	ASD	03/08/25 0:05	II250305-3	.5005	.033	.536	mg/L	100	85	115	0	20	
WG607361CCV3	CCV	03/08/25 0:11	II250204-1	1		.996	mg/L	100	90	110			
WG607361CCB3	CCB	03/08/25 0:14				U	mg/L		-0.09	0.09			

GCC

ACZ Project ID: ***L93296***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Cadmium, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607233													
WG607233ICV	ICV	03/06/25 12:49	MS241212-10	.05		.053638	mg/L	107	90	110			
WG607233ICB	ICB	03/06/25 12:51				U	mg/L		-0.00011	0.00011			
WG607233LFB	LFB	03/06/25 12:54	MS250120-3	.05005		.049191	mg/L	98	85	115			
WG607233CCV1	CCV	03/06/25 13:14	MS250126-4	.1001		.105383	mg/L	105	90	110			
WG607233CCB1	CCB	03/06/25 13:16				U	mg/L		-0.00015	0.00015			
L93306-02AS	AS	03/06/25 13:23	MS250120-3	.05005	.000758	.050739	mg/L	100	70	130			
L93306-02ASD	ASD	03/06/25 13:25	MS250120-3	.05005	.000758	.050071	mg/L	99	70	130	1	20	
WG607233CCV2	CCV	03/06/25 13:38	MS250126-4	.1001		.101893	mg/L	102	90	110			
WG607233CCB2	CCB	03/06/25 13:41				U	mg/L		-0.00015	0.00015			
WG607233CCV3	CCV	03/06/25 13:59	MS250126-4	.1001		.103905	mg/L	104	90	110			
WG607233CCB3	CCB	03/06/25 14:01				U	mg/L		-0.00015	0.00015			

Calcium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607361													
WG607361ICV	ICV	03/07/25 22:22	II250305-1	100		98.63	mg/L	99	95	105			
WG607361ICB	ICB	03/07/25 22:28				U	mg/L		-0.3	0.3			
WG607361PQV	PQV	03/07/25 22:31	II250225-3	.5025		.46	mg/L	92	70	130			
WG607361SIC	SIC	03/07/25 22:34	II250225-7	201.5025		200.4	mg/L	99					
WG607361LFB	LFB	03/07/25 22:40	II250305-3	68.14236		69.89	mg/L	103	85	115			
WG607361CCV1	CCV	03/07/25 23:12	II250204-1	50		50.03	mg/L	100	90	110			
WG607361CCB1	CCB	03/07/25 23:15				U	mg/L		-0.3	0.3			
L93296-01AS	AS	03/07/25 23:21	II250305-3	68.14236	14.3	84.74	mg/L	103	85	115			
L93296-01ASD	ASD	03/07/25 23:25	II250305-3	68.14236	14.3	84.46	mg/L	103	85	115	0	20	
WG607361CCV2	CCV	03/07/25 23:49	II250204-1	50		50.91	mg/L	102	90	110			
WG607361CCB2	CCB	03/07/25 23:52				U	mg/L		-0.3	0.3			
L93306-03AS	AS	03/08/25 0:01	II250305-3	68.14236	217	281.4	mg/L	95	85	115			
L93306-03ASD	ASD	03/08/25 0:05	II250305-3	68.14236	217	278.6	mg/L	90	85	115	1	20	
WG607361CCV3	CCV	03/08/25 0:11	II250204-1	50		50.05	mg/L	100	90	110			
WG607361CCB3	CCB	03/08/25 0:14				U	mg/L		-0.3	0.3			

GCC

ACZ Project ID: ***L93296***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Chloride SM 4500-Cl E-2011

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607411													
WG607411ICV	ICV	03/10/25 8:49	WI250102-6	40		39.86	mg/L	100	90	110			
WG607411ICB	ICB	03/10/25 8:49				U	mg/L						
WG607411CCV1	CCV	03/10/25 9:02	WI241113-1	25		24.59	mg/L	98	90	110			
WG607411CCB1	CCB	03/10/25 9:02				U	mg/L						
WG607411PQV	PQV	03/10/25 9:03	WI250220-1	2		2	mg/L	100	50	150			
WG607411LFB	LFB	03/10/25 9:03	WI240820-1	20		20.69	mg/L	103	90	110			
WG607411CCV2	CCV	03/10/25 9:06	WI241113-1	25		25.43	mg/L	102	90	110			
WG607411CCB2	CCB	03/10/25 9:06				U	mg/L						
WG607411CCV3	CCV	03/10/25 9:14	WI241113-1	25		25.65	mg/L	103	90	110			
WG607411CCB3	CCB	03/10/25 9:14				U	mg/L						
L93306-03AS	AS	03/10/25 9:15	WI240820-1	20	25.2	43.52	mg/L	92	90	110			
L93306-03ASD	ASD	03/10/25 9:16	WI240820-1	20	25.2	43.58	mg/L	92	90	110	0	20	
WG607411CCV4	CCV	03/10/25 9:20	WI241113-1	25		24.82	mg/L	99	90	110			
WG607411CCB4	CCB	03/10/25 9:20				U	mg/L						
WG607411CCV8	CCV	03/10/25 9:34	WI241113-1	25		24.8	mg/L	99	90	110			
WG607411CCB8	CCB	03/10/25 9:34				U	mg/L						
WG607411CCV9	CCV	03/10/25 9:36	WI241113-1	25		25.61	mg/L	102	90	110			
WG607411CCB9	CCB	03/10/25 9:36				U	mg/L						

Chromium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607361													
WG607361ICV	ICV	03/07/25 22:22	II250305-1	2		1.9	mg/L	95	95	105			
WG607361ICB	ICB	03/07/25 22:28				U	mg/L		-0.06	0.06			
WG607361PQV	PQV	03/07/25 22:31	II250225-3	.0501		.044	mg/L	88	70	130			
WG607361SIC	SIC	03/07/25 22:34	II250225-7	.1002		.088	mg/L	88					
WG607361LFB	LFB	03/07/25 22:40	II250305-3	.501		.483	mg/L	96	85	115			
WG607361CCV1	CCV	03/07/25 23:12	II250204-1	1		.972	mg/L	97	90	110			
WG607361CCB1	CCB	03/07/25 23:15				U	mg/L		-0.06	0.06			
L93296-01AS	AS	03/07/25 23:21	II250305-3	.501	U	.477	mg/L	95	85	115			
L93296-01ASD	ASD	03/07/25 23:25	II250305-3	.501	U	.468	mg/L	93	85	115	2	20	
WG607361CCV2	CCV	03/07/25 23:49	II250204-1	1		.97	mg/L	97	90	110			
WG607361CCB2	CCB	03/07/25 23:52				U	mg/L		-0.06	0.06			
L93306-03AS	AS	03/08/25 0:01	II250305-3	.501	U	.488	mg/L	97	85	115			
L93306-03ASD	ASD	03/08/25 0:05	II250305-3	.501	U	.485	mg/L	97	85	115	1	20	
WG607361CCV3	CCV	03/08/25 0:11	II250204-1	1		.96	mg/L	96	90	110			
WG607361CCB3	CCB	03/08/25 0:14				U	mg/L		-0.06	0.06			

GCC

ACZ Project ID: ***L93296***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Cobalt, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607233													
WG607233ICV	ICV	03/06/25 12:49	MS241212-10	.05		.05257	mg/L	105	90	110			
WG607233ICB	ICB	03/06/25 12:51				U	mg/L		-0.00011	0.00011			
WG607233LFB	LFB	03/06/25 12:54	MS250120-3	.05005		.048494	mg/L	97	85	115			
WG607233CCV1	CCV	03/06/25 13:14	MS250126-4	.1001		.100342	mg/L	100	90	110			
WG607233CCB1	CCB	03/06/25 13:16				U	mg/L		-0.00015	0.00015			
L93306-02AS	AS	03/06/25 13:23	MS250120-3	.05005	.000727	.048732	mg/L	96	70	130			
L93306-02ASD	ASD	03/06/25 13:25	MS250120-3	.05005	.000727	.048024	mg/L	94	70	130	1	20	
WG607233CCV2	CCV	03/06/25 13:38	MS250126-4	.1001		.099373	mg/L	99	90	110			
WG607233CCB2	CCB	03/06/25 13:41				U	mg/L		-0.00015	0.00015			
WG607233CCV3	CCV	03/06/25 13:59	MS250126-4	.1001		.101285	mg/L	101	90	110			
WG607233CCB3	CCB	03/06/25 14:01				U	mg/L		-0.00015	0.00015			

Copper, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607361													
WG607361ICV	ICV	03/07/25 22:22	II250305-1	2		1.928	mg/L	96	95	105			
WG607361ICB	ICB	03/07/25 22:28				U	mg/L		-0.03	0.03			
WG607361PQV	PQV	03/07/25 22:31	II250225-3	.05005		.048	mg/L	96	70	130			
WG607361SIC	SIC	03/07/25 22:34	II250225-7	.1001		.09	mg/L	90					
WG607361LFB	LFB	03/07/25 22:40	II250305-3	.5005		.491	mg/L	98	85	115			
WG607361CCV1	CCV	03/07/25 23:12	II250204-1	1		.964	mg/L	96	90	110			
WG607361CCB1	CCB	03/07/25 23:15				U	mg/L		-0.03	0.03			
L93296-01AS	AS	03/07/25 23:21	II250305-3	.5005	U	.491	mg/L	98	85	115			
L93296-01ASD	ASD	03/07/25 23:25	II250305-3	.5005	U	.486	mg/L	97	85	115	1	20	
WG607361CCV2	CCV	03/07/25 23:49	II250204-1	1		.966	mg/L	97	90	110			
WG607361CCB2	CCB	03/07/25 23:52				U	mg/L		-0.03	0.03			
L93306-03AS	AS	03/08/25 0:01	II250305-3	.5005	.093	.587	mg/L	99	85	115			
L93306-03ASD	ASD	03/08/25 0:05	II250305-3	.5005	.093	.585	mg/L	98	85	115	0	20	
WG607361CCV3	CCV	03/08/25 0:11	II250204-1	1		.949	mg/L	95	90	110			
WG607361CCB3	CCB	03/08/25 0:14				U	mg/L		-0.03	0.03			

GCC

ACZ Project ID: ***L93296***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Fluoride SM 4500-F C-2011

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607597													
WG607597ICV	ICV	03/12/25 13:25	WC250306-8	2		2.11	mg/L	106	90	110			
WG607597ICB	ICB	03/12/25 13:32				U	mg/L		-0.3	0.3			
WG607622													
WG607622ICV	ICV	03/12/25 18:36	WC250306-8	2		2.03	mg/L	102	90	110			
WG607622ICB	ICB	03/12/25 18:43				U	mg/L		-0.3	0.3			
WG607622PQV	PQV	03/12/25 18:46	WC250311-3	.35		.35	mg/L	100	50	150			
WG607622LFB1	LFB	03/12/25 18:50	WC241104-8	5		4.95	mg/L	99	90	110			
L93296-01AS	AS	03/12/25 18:57	WC241104-8	5	3.55	8.32	mg/L	95	90	110			
L93296-01ASD	ASD	03/12/25 19:00	WC241104-8	5	3.55	8.29	mg/L	95	90	110	0	20	
WG607622CCV1	CCV	03/12/25 19:31	WC250306-8	2		2.17	mg/L	109	90	110			
WG607622CCB1	CCB	03/12/25 19:39				U	mg/L		-0.3	0.3			
WG607622CCV2	CCV	03/12/25 20:25	WC250306-8	2		2.272	mg/L	114	90	110			VC
WG607622CCB2	CCB	03/12/25 20:33				U	mg/L		-0.3	0.3			
WG607622LFB2	LFB	03/12/25 20:59	WC241104-8	5		5.37	mg/L	107	90	110			
WG607622CCV3	CCV	03/12/25 21:18	WC250306-8	2		2.304	mg/L	115	90	110			VC
WG607622CCB3	CCB	03/12/25 21:26				U	mg/L		-0.3	0.3			
WG607622CCB4	CCB	03/12/25 22:16				U	mg/L		-0.3	0.3			
WG607622CCB5	CCB	03/12/25 23:08				U	mg/L		-0.3	0.3			

Iron, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607361													
WG607361ICV	ICV	03/07/25 22:22	II250305-1	2		1.929	mg/L	96	95	105			
WG607361ICB	ICB	03/07/25 22:28				U	mg/L		-0.18	0.18			
WG607361PQV	PQV	03/07/25 22:31	II250225-3	.15045		.146	mg/L	97	70	130			
WG607361SIC	SIC	03/07/25 22:34	II250225-7	200.75045		190.9	mg/L	95					
WG607361LFB	LFB	03/07/25 22:40	II250305-3	1.003		1.021	mg/L	102	85	115			
WG607361CCV1	CCV	03/07/25 23:12	II250204-1	1		.979	mg/L	98	90	110			
WG607361CCB1	CCB	03/07/25 23:15				U	mg/L		-0.18	0.18			
L93296-01AS	AS	03/07/25 23:21	II250305-3	1.003	.625	1.589	mg/L	96	85	115			
L93296-01ASD	ASD	03/07/25 23:25	II250305-3	1.003	.625	1.565	mg/L	94	85	115	2	20	
WG607361CCV2	CCV	03/07/25 23:49	II250204-1	1		.985	mg/L	99	90	110			
WG607361CCB2	CCB	03/07/25 23:52				U	mg/L		-0.18	0.18			
L93306-03AS	AS	03/08/25 0:01	II250305-3	1.003	U	.994	mg/L	99	85	115			
L93306-03ASD	ASD	03/08/25 0:05	II250305-3	1.003	U	.991	mg/L	99	85	115	0	20	
WG607361CCV3	CCV	03/08/25 0:11	II250204-1	1		.976	mg/L	98	90	110			
WG607361CCB3	CCB	03/08/25 0:14				U	mg/L		-0.18	0.18			

GCC

ACZ Project ID: ***L93296***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Lead, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607233													
WG607233ICV	ICV	03/06/25 12:49	MS241212-10	.05		.0528	mg/L	106	90	110			
WG607233ICB	ICB	03/06/25 12:51				U	mg/L		-0.00022	0.00022			
WG607233LFB	LFB	03/06/25 12:54	MS250120-3	.05005		.04868	mg/L	97	85	115			
WG607233CCV1	CCV	03/06/25 13:14	MS250126-4	.25025		.24919	mg/L	100	90	110			
WG607233CCB1	CCB	03/06/25 13:16				U	mg/L		-0.0003	0.0003			
L93306-02AS	AS	03/06/25 13:23	MS250120-3	.05005	U	.04563	mg/L	91	70	130			
L93306-02ASD	ASD	03/06/25 13:25	MS250120-3	.05005	U	.04444	mg/L	89	70	130	3	20	
WG607233CCV2	CCV	03/06/25 13:38	MS250126-4	.25025		.24796	mg/L	99	90	110			
WG607233CCB2	CCB	03/06/25 13:41				U	mg/L		-0.0003	0.0003			
WG607233CCV3	CCV	03/06/25 13:59	MS250126-4	.25025		.2532	mg/L	101	90	110			
WG607233CCB3	CCB	03/06/25 14:01				U	mg/L		-0.0003	0.0003			

Lithium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607361													
WG607361ICV	ICV	03/07/25 22:22	II250305-1	2		1.9275	mg/L	96	95	105			
WG607361ICB	ICB	03/07/25 22:28				U	mg/L		-0.024	0.024			
WG607361PQV	PQV	03/07/25 22:31	II250225-3	.04004		.0379	mg/L	95	70	130			
WG607361SIC	SIC	03/07/25 22:34	II250225-7	.1001		.096	mg/L	96					
WG607361LFB	LFB	03/07/25 22:40	II250305-3	1.001		.9429	mg/L	94	85	115			
WG607361CCV1	CCV	03/07/25 23:12	II250204-1	1		.9628	mg/L	96	90	110			
WG607361CCB1	CCB	03/07/25 23:15				U	mg/L		-0.024	0.024			
L93296-01AS	AS	03/07/25 23:21	II250305-3	1.001	.372	1.32	mg/L	95	85	115			
L93296-01ASD	ASD	03/07/25 23:25	II250305-3	1.001	.372	1.289	mg/L	92	85	115	2	20	
WG607361CCV2	CCV	03/07/25 23:49	II250204-1	1		.9552	mg/L	96	90	110			
WG607361CCB2	CCB	03/07/25 23:52				U	mg/L		-0.024	0.024			
L93306-03AS	AS	03/08/25 0:01	II250305-3	1.001	.0277	.9708	mg/L	94	85	115			
L93306-03ASD	ASD	03/08/25 0:05	II250305-3	1.001	.0277	.9811	mg/L	95	85	115	1	20	
WG607361CCV3	CCV	03/08/25 0:11	II250204-1	1		.9445	mg/L	94	90	110			
WG607361CCB3	CCB	03/08/25 0:14				U	mg/L		-0.024	0.024			

GCC

ACZ Project ID: ***L93296***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Magnesium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607361													
WG607361ICV	ICV	03/07/25 22:22	II250305-1	100		98.62	mg/L	99	95	105			
WG607361ICB	ICB	03/07/25 22:28				U	mg/L		-0.6	0.6			
WG607361PQV	PQV	03/07/25 22:31	II250225-3	1.0087		.97	mg/L	96	70	130			
WG607361SIC	SIC	03/07/25 22:34	II250225-7	202.7487		206.8	mg/L	102					
WG607361LFB	LFB	03/07/25 22:40	II250305-3	49.92945		50.78	mg/L	102	85	115			
WG607361CCV1	CCV	03/07/25 23:12	II250204-1	50		49.77	mg/L	100	90	110			
WG607361CCB1	CCB	03/07/25 23:15				U	mg/L		-0.6	0.6			
L93296-01AS	AS	03/07/25 23:21	II250305-3	49.92945	4.88	56.03	mg/L	102	85	115			
L93296-01ASD	ASD	03/07/25 23:25	II250305-3	49.92945	4.88	55.91	mg/L	102	85	115	0	20	
WG607361CCV2	CCV	03/07/25 23:49	II250204-1	50		50.44	mg/L	101	90	110			
WG607361CCB2	CCB	03/07/25 23:52				U	mg/L		-0.6	0.6			
L93306-03AS	AS	03/08/25 0:01	II250305-3	49.92945	19.5	72.08	mg/L	105	85	115			
L93306-03ASD	ASD	03/08/25 0:05	II250305-3	49.92945	19.5	70.28	mg/L	102	85	115	3	20	
WG607361CCV3	CCV	03/08/25 0:11	II250204-1	50		49.79	mg/L	100	90	110			
WG607361CCB3	CCB	03/08/25 0:14				U	mg/L		-0.6	0.6			

Manganese, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607361													
WG607361ICV	ICV	03/07/25 22:22	II250305-1	2		1.916	mg/L	96	95	105			
WG607361ICB	ICB	03/07/25 22:28				U	mg/L		-0.03	0.03			
WG607361PQV	PQV	03/07/25 22:31	II250225-3	.0498		.045	mg/L	90	70	130			
WG607361SIC	SIC	03/07/25 22:34	II250225-7	50.4498		46.68	mg/L	93					
WG607361LFB	LFB	03/07/25 22:40	II250305-3	.504		.49	mg/L	97	85	115			
WG607361CCV1	CCV	03/07/25 23:12	II250204-1	1		.983	mg/L	98	90	110			
WG607361CCB1	CCB	03/07/25 23:15				U	mg/L		-0.03	0.03			
L93296-01AS	AS	03/07/25 23:21	II250305-3	.504	.012	.505	mg/L	98	85	115			
L93296-01ASD	ASD	03/07/25 23:25	II250305-3	.504	.012	.498	mg/L	96	85	115	1	20	
WG607361CCV2	CCV	03/07/25 23:49	II250204-1	1		.99	mg/L	99	90	110			
WG607361CCB2	CCB	03/07/25 23:52				U	mg/L		-0.03	0.03			
L93306-03AS	AS	03/08/25 0:01	II250305-3	.504	U	.492	mg/L	98	85	115			
L93306-03ASD	ASD	03/08/25 0:05	II250305-3	.504	U	.492	mg/L	98	85	115	0	20	
WG607361CCV3	CCV	03/08/25 0:11	II250204-1	1		.978	mg/L	98	90	110			
WG607361CCB3	CCB	03/08/25 0:14				U	mg/L		-0.03	0.03			

GCC

ACZ Project ID: ***L93296***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Mercury, dissolved EPA 245.1

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607485													
WG607485ICV	ICV	03/12/25 9:52	HG250303-3	.00501		.00513	mg/L	102	95	105			
WG607485ICB	ICB	03/12/25 9:53				U	mg/L		-0.0002	0.0002			
WG607485PQV	PQV	03/12/25 9:54	HG250303-5	.001001		.00094	mg/L	94	70	130			
WG607485LRB	LRB	03/12/25 9:55				U	mg/L		-0.00044	0.00044			
WG607485LFB	LFB	03/12/25 9:56	HG250303-6	.002002		.0019	mg/L	95	85	115			
L93296-03LFM	LFM	03/12/25 9:59	HG250303-6	.002002	U	.00203	mg/L	101	85	115			
L93296-03LFMD	LFMD	03/12/25 10:00	HG250303-6	.002002	U	.002	mg/L	100	85	115	1	20	
WG607485CCV1	CCV	03/12/25 10:03	HG250303-3	.00501		.00508	mg/L	101	90	110			
WG607485CCB1	CCB	03/12/25 10:04				U	mg/L		-0.0002	0.0002			
WG607485CCV2	CCV	03/12/25 10:15	HG250303-3	.00501		.00504	mg/L	101	90	110			
WG607485CCB2	CCB	03/12/25 10:16				U	mg/L		-0.0002	0.0002			
WG607485CCV3	CCV	03/12/25 10:24	HG250303-3	.00501		.00498	mg/L	99	90	110			
WG607485CCB3	CCB	03/12/25 10:24				U	mg/L		-0.0002	0.0002			

Nickel, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607361													
WG607361ICV	ICV	03/07/25 22:22	II250305-1	2.004		2.0072	mg/L	100	95	105			
WG607361ICB	ICB	03/07/25 22:28				U	mg/L		-0.024	0.024			
WG607361PQV	PQV	03/07/25 22:31	II250225-3	.04004		.0474	mg/L	118	70	130			
WG607361SIC	SIC	03/07/25 22:34	II250225-7	.1001		.0971	mg/L	97					
WG607361LFB	LFB	03/07/25 22:40	II250305-3	.5005		.5036	mg/L	101	85	115			
WG607361CCV1	CCV	03/07/25 23:12	II250204-1	1.002		1.029	mg/L	103	90	110			
WG607361CCB1	CCB	03/07/25 23:15				U	mg/L		-0.024	0.024			
L93296-01AS	AS	03/07/25 23:21	II250305-3	.5005	U	.502	mg/L	100	85	115			
L93296-01ASD	ASD	03/07/25 23:25	II250305-3	.5005	U	.497	mg/L	99	85	115	1	20	
WG607361CCV2	CCV	03/07/25 23:49	II250204-1	1.002		1.034	mg/L	103	90	110			
WG607361CCB2	CCB	03/07/25 23:52				U	mg/L		-0.024	0.024			
L93306-03AS	AS	03/08/25 0:01	II250305-3	.5005	U	.519	mg/L	104	85	115			
L93306-03ASD	ASD	03/08/25 0:05	II250305-3	.5005	U	.5093	mg/L	102	85	115	2	20	
WG607361CCV3	CCV	03/08/25 0:11	II250204-1	1.002		1.022	mg/L	102	90	110			
WG607361CCB3	CCB	03/08/25 0:14				U	mg/L		-0.024	0.024			

GCC

ACZ Project ID: ***L93296***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Nitrate/Nitrite as N EPA 353.2

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607139													
WG607139ICV	ICV	03/04/25 23:40	WI250128-7	2.416		2.419	mg/L	100	90	110			
WG607139ICB	ICB	03/04/25 23:41				U	mg/L		-0.02	0.02			
WG607139LFB	LFB	03/04/25 23:45	WI250201-3	2		2.051	mg/L	103	90	110			
WG607139CCV1	CCV	03/04/25 23:57	WI250304-3	2		2.02	mg/L	101	90	110			
WG607139CCB1	CCB	03/05/25 0:00				U	mg/L		-0.02	0.02			
L93296-05AS	AS	03/05/25 0:08	WI250201-3	2	U	2.081	mg/L	104	90	110			
L93296-06DUP	DUP	03/05/25 0:11			.022	U	mg/L				200	20	RA
WG607139CCV2	CCV	03/05/25 0:13	WI250304-3	2		2.001	mg/L	100	90	110			
WG607139CCB2	CCB	03/05/25 0:16				U	mg/L		-0.02	0.02			
L93277-01AS	AS	03/05/25 0:23	WI250201-3	100	59.7	159.835	mg/L	100	90	110			
L93277-02DUP	DUP	03/05/25 0:26			57.4	57.408	mg/L				0	20	
WG607139CCV3	CCV	03/05/25 0:34	WI250304-3	2		1.988	mg/L	99	90	110			
WG607139CCB3	CCB	03/05/25 0:35				U	mg/L		-0.02	0.02			

Nitrite as N EPA 353.2

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607139													
WG607139ICV	ICV	03/04/25 23:40	WI250128-7	.609		.626	mg/L	103	90	110			
WG607139ICB	ICB	03/04/25 23:41				U	mg/L		-0.01	0.01			
WG607139LFB	LFB	03/04/25 23:45	WI250201-3	1		1.05	mg/L	105	90	110			
L93277-01AS	AS	03/04/25 23:48	WI250201-3	1	.589	.993	mg/L	40	90	110			M2
L93277-02DUP	DUP	03/04/25 23:50			.358	.356	mg/L				1	20	
WG607139CCV1	CCV	03/04/25 23:57	WI250304-3	1		1.022	mg/L	102	90	110			
WG607139CCB1	CCB	03/05/25 0:00				U	mg/L		-0.01	0.01			
L93296-05AS	AS	03/05/25 0:08	WI250201-3	1	U	1.062	mg/L	106	90	110			
L93296-06DUP	DUP	03/05/25 0:11			U	U	mg/L				0	20	RA
WG607139CCV2	CCV	03/05/25 0:13	WI250304-3	1		1.019	mg/L	102	90	110			
WG607139CCB2	CCB	03/05/25 0:16				U	mg/L		-0.01	0.01			
WG607139CCV3	CCV	03/05/25 0:34	WI250304-3	1		1.023	mg/L	102	90	110			
WG607139CCB3	CCB	03/05/25 0:35				U	mg/L		-0.01	0.01			

GCC

ACZ Project ID: ***L93296***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Potassium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607361													
WG607361ICV	ICV	03/07/25 22:22	II250305-1	20		19.68	mg/L	98	95	105			
WG607361ICB	ICB	03/07/25 22:28				U	mg/L		-1.5	1.5			
WG607361PQV	PQV	03/07/25 22:31	II250225-3	1.002		1.01	mg/L	101	70	130			
WG607361SIC	SIC	03/07/25 22:34	II250225-7	1.002		.93	mg/L	93					
WG607361LFB	LFB	03/07/25 22:40	II250305-3	100.0671		101.5	mg/L	101	85	115			
WG607361CCV1	CCV	03/07/25 23:12	II250204-1	10		9.85	mg/L	99	90	110			
WG607361CCB1	CCB	03/07/25 23:15				U	mg/L		-1.5	1.5			
L93296-01AS	AS	03/07/25 23:21	II250305-3	100.0671	4.81	107.6	mg/L	103	85	115			
L93296-01ASD	ASD	03/07/25 23:25	II250305-3	100.0671	4.81	106.9	mg/L	102	85	115	1	20	
WG607361CCV2	CCV	03/07/25 23:49	II250204-1	10		9.87	mg/L	99	90	110			
WG607361CCB2	CCB	03/07/25 23:52				U	mg/L		-1.5	1.5			
L93306-03AS	AS	03/08/25 0:01	II250305-3	100.0671	3.61	108.9	mg/L	105	85	115			
L93306-03ASD	ASD	03/08/25 0:05	II250305-3	100.0671	3.61	105.5	mg/L	102	85	115	3	20	
WG607361CCV3	CCV	03/08/25 0:11	II250204-1	10		9.79	mg/L	98	90	110			
WG607361CCB3	CCB	03/08/25 0:14				U	mg/L		-1.5	1.5			

Residue, Filterable (TDS) @180C SM 2540 C-2011

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607424													
WG607424PBW	PBW	03/10/25 9:55				U	mg/L		-20	20			
WG607424LCSW	LCSW	03/10/25 9:57	PCN627535	1000		1000	mg/L	100	90	110			
L93304-08DUP	DUP	03/10/25 10:55			11800	11960	mg/L				1	10	

GCC

ACZ Project ID: ***L93296***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Selenium, dissolved EPA 200.8

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607233													
WG607233ICV	ICV	03/06/25 12:49	MS241212-10	.05		.05051	mg/L	101	90	110			
WG607233ICB	ICB	03/06/25 12:51				.00016	mg/L		-0.00022	0.00022			
WG607233LFB	LFB	03/06/25 12:54	MS250120-3	.05005		.0496	mg/L	99	85	115			
WG607233CCV1	CCV	03/06/25 13:14	MS250126-4	.1001		.10373	mg/L	104	90	110			
WG607233CCB1	CCB	03/06/25 13:16				.00036	mg/L		-0.0003	0.0003			BB BE
L93306-02AS	AS	03/06/25 13:23	MS250120-3	.05005	.00167	.06165	mg/L	120	70	130			
L93306-02ASD	ASD	03/06/25 13:25	MS250120-3	.05005	.00167	.05908	mg/L	115	70	130	4	20	
WG607233CCV2	CCV	03/06/25 13:38	MS250126-4	.1001		.10087	mg/L	101	90	110			
WG607233CCB2	CCB	03/06/25 13:41				.00027	mg/L		-0.0003	0.0003			
WG607233CCV3	CCV	03/06/25 13:59	MS250126-4	.1001		.10829	mg/L	108	90	110			
WG607233CCB3	CCB	03/06/25 14:01				.00011	mg/L		-0.0003	0.0003			
WG607281													
WG607281ICV	ICV	03/07/25 8:51	MS241212-10	.05		.05121	mg/L	102	90	110			
WG607281ICB	ICB	03/07/25 8:54				.00015	mg/L		-0.00022	0.00022			
WG607281LFB	LFB	03/07/25 8:56	MS250120-3	.05005		.05408	mg/L	108	85	115			
WG607281CCV1	CCV	03/07/25 9:14	MS250126-4	.1001		.09785	mg/L	98	90	110			
WG607281CCB1	CCB	03/07/25 9:16				.00022	mg/L		-0.0003	0.0003			
L93306-02AS	AS	03/07/25 9:20	MS250120-3	.05005	.00142	.05735	mg/L	112	70	130			
L93306-02ASD	ASD	03/07/25 9:23	MS250120-3	.05005	.00142	.04728	mg/L	92	70	130	19	20	
WG607281CCV2	CCV	03/07/25 9:38	MS250126-4	.1001		.10929	mg/L	109	90	110			
WG607281CCB2	CCB	03/07/25 9:40				.00025	mg/L		-0.0003	0.0003			
WG607281CCV3	CCV	03/07/25 9:56	MS250126-4	.1001		.10297	mg/L	103	90	110			
WG607281CCB3	CCB	03/07/25 9:58				.00012	mg/L		-0.0003	0.0003			

GCC

ACZ Project ID: ***L93296***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sodium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607361													
WG607361ICV	ICV	03/07/25 22:22	II250305-1	100		100.02	mg/L	100	95	105			
WG607361ICB	ICB	03/07/25 22:28				U	mg/L		-0.6	0.6			
WG607361PQV	PQV	03/07/25 22:31	II250225-3	.9958		1.06	mg/L	106	70	130			
WG607361SIC	SIC	03/07/25 22:34	II250225-7	.9958		1.04	mg/L	104					
WG607361LFB	LFB	03/07/25 22:40	II250305-3	100.0605		101.3	mg/L	101	85	115			
WG607361CCV1	CCV	03/07/25 23:12	II250204-1	50		50.15	mg/L	100	90	110			
WG607361CCB1	CCB	03/07/25 23:15				U	mg/L		-0.6	0.6			
L93296-01AS	AS	03/07/25 23:21	II250305-3	100.0605	1550	1591	mg/L	41	85	115			M3
L93296-01ASD	ASD	03/07/25 23:25	II250305-3	100.0605	1550	1557	mg/L	7	85	115	2	20	M3
WG607361CCV2	CCV	03/07/25 23:49	II250204-1	50		50	mg/L	100	90	110			
WG607361CCB2	CCB	03/07/25 23:52				U	mg/L		-0.6	0.6			
L93306-03AS	AS	03/08/25 0:01	II250305-3	100.0605	46.2	146.9	mg/L	101	85	115			
L93306-03ASD	ASD	03/08/25 0:05	II250305-3	100.0605	46.2	145.2	mg/L	99	85	115	1	20	
WG607361CCV3	CCV	03/08/25 0:11	II250204-1	50		49.6	mg/L	99	90	110			
WG607361CCB3	CCB	03/08/25 0:14				U	mg/L		-0.6	0.6			
WG607383													
WG607383ICV	ICV	03/08/25 11:52	II250305-1	100		99.36	mg/L	99	95	105			
WG607383ICB	ICB	03/08/25 11:58				U	mg/L		-0.6	0.6			
WG607383PQV	PQV	03/08/25 12:01	II250225-3	.9958		1.03	mg/L	103	70	130			
WG607383SIC	SIC	03/08/25 12:04	II250225-7	.9958		1.03	mg/L	103					
WG607383LFB	LFB	03/08/25 12:10	II250305-3	100.0605		97.81	mg/L	98	85	115			
WG607383CCV1	CCV	03/08/25 12:42	II250204-1	50		47.28	mg/L	95	90	110			
WG607383CCB1	CCB	03/08/25 12:45				U	mg/L		-0.6	0.6			
L93296-01AS	AS	03/08/25 12:48	II250305-3	500.3025	1680	2028	mg/L	70	85	115			M3
L93296-01ASD	ASD	03/08/25 12:51	II250305-3	500.3025	1680	1970	mg/L	58	85	115	3	20	M3
WG607383CCV2	CCV	03/08/25 13:19	II250204-1	50		46.16	mg/L	92	90	110			
WG607383CCB2	CCB	03/08/25 13:22				U	mg/L		-0.6	0.6			
WG607383CCV3	CCV	03/08/25 13:40	II250204-1	50		45.52	mg/L	91	90	110			
WG607383CCB3	CCB	03/08/25 13:43				U	mg/L		-0.6	0.6			

GCC

ACZ Project ID: ***L93296***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate ASTM D516-07/-11/-16

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607209													
WG607209ICV	ICV	03/06/25 9:48	WI250303-1	20.06		20.6	mg/L	103	85	115			
WG607209ICB	ICB	03/06/25 9:48				U	mg/L		-2.5	2.5			
WG607209CCV1	CCV	03/06/25 9:58	WI250225-1	25		26.6	mg/L	106	85	115			
WG607209CCB1	CCB	03/06/25 9:59				U	mg/L		-2.5	2.5			
WG607209LFB	LFB	03/06/25 9:59	WI241001-1	10		10.5	mg/L	105	85	115			
WG607209CCV2	CCV	03/06/25 10:02	WI250225-1	25		25.6	mg/L	102	85	115			
WG607209CCB2	CCB	03/06/25 10:02				U	mg/L		-2.5	2.5			
WG607209CCV3	CCV	03/06/25 10:06	WI250225-1	25		25.5	mg/L	102	85	115			
WG607209CCB3	CCB	03/06/25 10:06				U	mg/L		-2.5	2.5			
WG607209CCV4	CCV	03/06/25 10:10	WI250225-1	25		25.5	mg/L	102	85	115			
WG607209CCB4	CCB	03/06/25 10:10				U	mg/L		-2.5	2.5			
WG607209CCV5	CCV	03/06/25 10:15	WI250225-1	25		25	mg/L	100	85	115			
WG607209CCB5	CCB	03/06/25 10:15				U	mg/L		-2.5	2.5			
WG607209CCV8	CCV	03/06/25 10:32	WI250225-1	25		26.9	mg/L	108	85	115			
WG607209CCB8	CCB	03/06/25 10:32				U	mg/L		-2.5	2.5			
WG607209CCV9	CCV	03/06/25 10:37	WI250225-1	25		25.6	mg/L	102	85	115			
WG607209CCB9	CCB	03/06/25 10:37				U	mg/L		-2.5	2.5			
L93306-03AS	AS	03/06/25 10:40	SO4TURB50X	10	475	455.5	mg/L	-195	85	115			M3
L93306-03ASD	ASD	03/06/25 10:41	SO4TURB50X	10	475	476.2	mg/L	12	85	115	4	20	M3
WG607209CCV10	CCV	03/06/25 10:41	WI250225-1	25		26	mg/L	104	85	115			
WG607209CCB10	CCB	03/06/25 10:41				U	mg/L		-2.5	2.5			
WG607209CCV11	CCV	03/06/25 10:49	WI250225-1	25		26.7	mg/L	107	85	115			
WG607209CCB11	CCB	03/06/25 10:49				U	mg/L		-2.5	2.5			
WG607209CCV12	CCV	03/06/25 10:50	WI250225-1	25		27	mg/L	108	85	115			
WG607209CCB12	CCB	03/06/25 10:51				U	mg/L		-2.5	2.5			

GCC

ACZ Project ID: ***L93296***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Vanadium, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607383													
WG607383ICV	ICV	03/08/25 11:52	II250305-1	2		1.893	mg/L	95	95	105			
WG607383ICB	ICB	03/08/25 11:58				.0069	mg/L		-0.015	0.015			
WG607383PQV	PQV	03/08/25 12:01	II250225-3	.025025		.032	mg/L	128	70	130			
WG607383SIC	SIC	03/08/25 12:04	II250225-7	.1001		.081	mg/L	81					
WG607383LFB	LFB	03/08/25 12:10	II250305-3	.5005		.4788	mg/L	96	85	115			
WG607383CCV1	CCV	03/08/25 12:42	II250204-1	1		.93	mg/L	93	90	110			
WG607383CCB1	CCB	03/08/25 12:45				U	mg/L		-0.03	0.03			
L93296-01AS	AS	03/08/25 12:48	II250305-3	2.5025	U	2.277	mg/L	91	85	115			
L93296-01ASD	ASD	03/08/25 12:51	II250305-3	2.5025	U	2.208	mg/L	88	85	115	3	20	
WG607383CCB2	CCB	03/08/25 13:22				U	mg/L		-0.03	0.03			
WG607383CCB3	CCB	03/08/25 13:43				U	mg/L		-0.03	0.03			
WG607427													
WG607427ICV	ICV	03/10/25 18:38	II250305-1	2		1.979	mg/L	99	95	105			
WG607427ICB	ICB	03/10/25 18:44				U	mg/L		-0.015	0.015			
WG607427PQV	PQV	03/10/25 18:47	II250225-3	.025025		.025	mg/L	100	70	130			
WG607427SIC	SIC	03/10/25 18:50	II250225-7	.1001		.094	mg/L	94					
WG607427LFB	LFB	03/10/25 18:57	II250305-3	.5005		.5101	mg/L	102	85	115			
WG607427CCV1	CCV	03/10/25 19:29	II250204-1	1		.996	mg/L	100	90	110			
WG607427CCB1	CCB	03/10/25 19:32				U	mg/L		-0.03	0.03			
L93296-02AS	AS	03/10/25 19:38	II250305-3	.5005	U	.5255	mg/L	105	85	115			
L93296-02ASD	ASD	03/10/25 19:41	II250305-3	.5005	U	.527	mg/L	105	85	115	0	20	
WG607427CCV2	CCV	03/10/25 20:07	II250204-1	1		.995	mg/L	100	90	110			
WG607427CCB2	CCB	03/10/25 20:10				U	mg/L		-0.03	0.03			
L93382-03AS	AS	03/10/25 20:23	II250305-3	.5005	U	.521	mg/L	104	85	115			
L93382-03ASD	ASD	03/10/25 20:26	II250305-3	.5005	U	.529	mg/L	106	85	115	2	20	
WG607427CCV3	CCV	03/10/25 20:30	II250204-1	1		.985	mg/L	99	90	110			
WG607427CCB3	CCB	03/10/25 20:33				U	mg/L		-0.03	0.03			

Zinc, dissolved EPA 200.7

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG607361													
WG607361ICV	ICV	03/07/25 22:22	II250305-1	2		1.953	mg/L	98	95	105			
WG607361ICB	ICB	03/07/25 22:28				U	mg/L		-0.06	0.06			
WG607361PQV	PQV	03/07/25 22:31	II250225-3	.0502		.05	mg/L	100	70	130			
WG607361SIC	SIC	03/07/25 22:34	II250225-7	.1004		.095	mg/L	95					
WG607361LFB	LFB	03/07/25 22:40	II250305-3	.50045		.509	mg/L	102	85	115			
WG607361CCV1	CCV	03/07/25 23:12	II250204-1	1		.984	mg/L	98	90	110			
WG607361CCB1	CCB	03/07/25 23:15				U	mg/L		-0.06	0.06			
L93296-01AS	AS	03/07/25 23:21	II250305-3	.50045	U	.524	mg/L	105	85	115			
L93296-01ASD	ASD	03/07/25 23:25	II250305-3	.50045	U	.522	mg/L	104	85	115	0	20	
WG607361CCV2	CCV	03/07/25 23:49	II250204-1	1		.993	mg/L	99	90	110			
WG607361CCB2	CCB	03/07/25 23:52				U	mg/L		-0.06	0.06			
L93306-03AS	AS	03/08/25 0:01	II250305-3	.50045	U	.55	mg/L	110	85	115			
L93306-03ASD	ASD	03/08/25 0:05	II250305-3	.50045	U	.535	mg/L	107	85	115	3	20	
WG607361CCV3	CCV	03/08/25 0:11	II250204-1	1		.975	mg/L	98	90	110			
WG607361CCB3	CCB	03/08/25 0:14				U	mg/L		-0.06	0.06			

GCC Rio Grande ACZ Project ID: ***L93296***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93296-01	WG607361	Boron, dissolved	EPA 200.7	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
	WG607139	Nitrite as N	EPA 353.2	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607281	Selenium, dissolved	EPA 200.8	D1	Sample required dilution due to matrix.
			EPA 200.8	DB	Sample required dilution due to low bias result.
	WG607383	Sodium, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607209	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L93296-02	WG607139	Nitrite as N	EPA 353.2	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607233	Selenium, dissolved	EPA 200.8	BE	Target analyte in continuing calibration blank (CCB) at or above the acceptance criteria. Target analyte was not detected in the sample [< MDL].
	WG607209	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607706	Total Alkalinity	SM 2320 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L93296-03	WG607139	Nitrite as N	EPA 353.2	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607424	Residue, Filterable (TDS) @180C	SM 2540 C-2011	Z3	Sample volume yielded a residue less than 2.5 mg
	WG607233	Selenium, dissolved	EPA 200.8	BE	Target analyte in continuing calibration blank (CCB) at or above the acceptance criteria. Target analyte was not detected in the sample [< MDL].
	WG607209	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607706	Total Alkalinity	SM 2320 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L93296-04	WG607139	Nitrite as N	EPA 353.2	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607209	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607706	Total Alkalinity	SM 2320 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Inorganic Extended Qualifier Report

GCC Rio Grande ACZ Project ID: ***L93296***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93296-05	WG607139	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607281	Selenium, dissolved	EPA 200.8	DB	Sample required dilution due to low bias result.
	WG607209	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607706	Total Alkalinity	SM 2320 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L93296-06	WG607139	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
		Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607281	Selenium, dissolved	EPA 200.8	DB	Sample required dilution due to low bias result.
	WG607209	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607706	Total Alkalinity	SM 2320 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Certification Qualifiers

GCC Rio Grande

ACZ Project ID: ***L93296***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

GCC Rio Grande

ACZ Project ID: L93296
Date Received: 03/04/2025 11:55
Received By:
Date Printed: 3/5/2025

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
NA44452	1.8	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

GCC Rio Grande

ACZ Project ID:	L93296
Date Received:	03/04/2025 11:55
Received By:	
Date Printed:	3/5/2025

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

L93296 Chain of Custo

ACZ LABORATORIES | Accredited Environmental Testing | 2773 Downhill Drive, Steamboat Springs, CO 80487, (970) 879-6590 | L93296

CHAIN of CUSTODY

Report to:

Name: Meghan Way	Address: 3372 Lime Road
Company: GCC Rio Grande Inc	Pueblo CO 81004
E-mail: meghanway@gcc.com	Telephone: 719-647-6861

Copy of Report to:

Name: Landon Beck	E-mail: lbeck@slrconsulting.com
Company: SLR Consulting	Telephone: (970) 459-4865

Invoice to:

Name: Meghan Way	Address: 3372 Lime Road
Company: GCC Rio Grande Inc	Pueblo CO 81004
E-mail: meghanway@gcc.com	Telephone: 719-647-6861

Copy of Invoice to:

Name: Amy Rodrigues	Address:
Company: GCC Rio Grande Inc	
E-mail: aveek@gcc.com	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES ✓ NO

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring? Yes No ✓

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Meghan Way **Sampler's Site Information** State CO Zip code 81004 Time Zone MST

***Sampler's Signature:** [signature]

*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

PROJECT INFORMATION

Quote #: GW-COMPLIANCE

PO#: 310180

Reporting state for compliance testing:

Check box if samples include NRC licensed material?

ANALYSES REQUESTED (attach list or use quote number)

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	GW-COmpliance
MW-14	3/3/2025 10:59	GW	3	✓
MW-13	3/3/2025 11:36	GW	3	✓
MW-3B	3/3/2025 12:00	GW	3	✓
MW-9	3/3/2025 12:38	GW	3	✓
MW-10	3/3/2025 13:08	GW	3	✓
MW-18	3/3/2025 13:45	GW	3	✓

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
[signature]	3/3/25 16:00	[signature]	3/4/25 11:35

Qualtrax ID: 1984 Revision #: 2 White - Return with sample. Yellow - Retain for your records.