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ANALYTICAL REPORT

PREPARED FOR

Attn: Eric Lancaster
MineWater LLC
10924 Leroy Drive
Englewood, Colorado 80155

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JOB DESCRIPTION

Raymond Carter Water

JOB NUMBER

280-179640-1

Eurofins Denver
4955 Yarrow Street
Arvada CO 80002

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization

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Definitions/Glossary

Client: MineWater LLC
Project/Site: Raymond Carter Water

Job ID: 280-179640-1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Narrative

CASE NARRATIVE

Client: MineWater LLC

Project: Raymond Carter Water

Report Number: 280-179640-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Receipt
The samples were received on 7/28/2023 10:09 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 23.9º C and 24.9º C.

Receipt Exceptions
The following samples were received at the laboratory outside the required temperature criteria: RM 1 (280-179640-1), RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6). This does not meet regulatory requirements. The client was contacted regarding this issue, and the laboratory was instructed to proceed with analysis.

The following sample was received outside of holding time: RM 1 (280-179640-1).

The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6).

The COC did not include all methods required for this project. All samples were logged per the full list of methods quoted to the client.

DISSOLVED METALS (ICPMS)
Samples RM 1 (280-179640-1), RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6) were analyzed for dissolved metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared on 08/07/2023 and analyzed on 08/08/2023.

Aluminum was detected in method blank MB 280-621216/1-B at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Iron and Magnesium were detected in method blank MB 280-621216/1-B at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Several analytes failed the recovery criteria low for the MS of sample RM 1MS (280-179640-1) in batch 280-622280.

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Laboratory: Eurofins Denver (Continued)

Sodium failed the recovery criteria low for the MSD of sample RM 1MSD (280-179640-1) in batch 280-622280. Calcium failed the recovery criteria high.

Cobalt and Copper failed the recovery criteria low for the MS of sample CM 3MS (280-179640-6) in batch 280-622280. Calcium and Magnesium failed the recovery criteria high.

Cobalt failed the recovery criteria low for the MSD of sample CM 3MSD (280-179640-6) in batch 280-622280. Calcium and Magnesium failed the recovery criteria high.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY (CVAA)
Samples RM 1 (280-179640-1), RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6) were analyzed for total mercury (CVAA) in accordance with EPA Method 245.1. The samples were prepared on 08/09/2023 and analyzed on 08/10/2023.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

ALKALINITY
Samples RM 1 (280-179640-1), RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 08/01/2023.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SPECIFIC CONDUCTIVITY
Samples RM 1 (280-179640-1), RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6) were analyzed for specific conductivity in accordance with SM20 2510B. The samples were analyzed on 08/01/2023.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL DISSOLVED SOLIDS
Samples RM 1 (280-179640-1), RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 07/31/2023.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL CYANIDE
Samples RM 1 (280-179640-1), RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6) were analyzed for total cyanide in accordance with EPA Method 335.4. The samples were prepared and analyzed on 08/09/2023.

Method required MS/MSD was prepared and analyzed at required batch frequency for preparation batch 280-622399 and analytical batch 280-622567. The parent sample associated with the MS/MSD was analyzed via another cyanide method; therefore is not reporting from this batch.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED NITRATE-NITRITE AS NITROGEN
Samples RM 1 (280-179640-1), RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6) were analyzed for dissolved nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 08/08/2023.

Nitrate Nitrite as N was detected in method blank MB 280-622171/2-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the

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Laboratory: Eurofins Denver (Continued)

MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CATION ANION BALANCE

Samples RM 1 (280-179640-1), RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6) were analyzed for Cation Anion Balance in accordance with Cation Anion Balance. The samples were analyzed on 08/11/2023.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HARDNESS

Samples RM 1 (280-179640-1), RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6) were analyzed for hardness in accordance with a calculated method. The samples were analyzed on 08/10/2023.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

NITRATE BY CALC

Samples RM 1 (280-179640-1), RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6) were analyzed for Nitrate by Calc in accordance with EPA Method 353.2 by calc. The samples were analyzed on 07/31/2023.

The following samples were received outside of preparation holding time: RM 1 (280-179640-1), RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6).

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL CHLORIDE

Samples RM 1 (280-179640-1), RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6) were analyzed for total chloride in accordance with SM20 4500 Cl-E. The samples were analyzed on 07/31/2023.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CORROSIVITY (PH)

Samples RM 1 (280-179640-1), RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6) were analyzed for corrosivity (pH) in accordance with SM20 4500 H+ B. The samples were analyzed on 07/31/2023 and 08/02/2023.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

NITRITE AS N

Samples RM 1 (280-179640-1), RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6) were analyzed for nitrite as N in accordance with SM4500 NO2 B. The samples were analyzed on 07/28/2023.

The following samples were received outside of holding time: RM 1 (280-179640-1), RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6).

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SULFATE

Samples RM 1 (280-179640-1), RM 2 (280-179640-2), RM 3 (280-179640-3), CM 1 (280-179640-4), CM 2 (280-179640-5) and CM 3 (280-179640-6) were analyzed for sulfate in accordance with SM 4500 S04 E. The samples were analyzed on 07/31/2023.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Laboratory: Eurofins Denver (Continued)

Detection Summary

Client: MineWater LLC
Project/Site: Raymond Carter Water

Job ID: 280-179640-1

Client Sample ID: RM 1

Lab Sample ID: 280-179640-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	12		3.0	0.38	ug/L	1		200.8	Dissolved
Cadmium	0.22	J	1.0	0.19	ug/L	1		200.8	Dissolved
Manganese	1.4	J	3.0	0.51	ug/L	1		200.8	Dissolved
Zinc	10	F1	10	2.0	ug/L	1		200.8	Dissolved
Aluminum	11	J B	200	8.3	ug/L	1		200.8	Dissolved
Iron	30	J B	200	8.7	ug/L	1		200.8	Dissolved
Calcium	15000		200	32	ug/L	1		200.8	Dissolved
Potassium	480	J	1000	52	ug/L	1		200.8	Dissolved
Magnesium	5000	B	200	4.2	ug/L	1		200.8	Dissolved
Sodium	1500	F1	1000	73	ug/L	1		200.8	Dissolved
Hardness as calcium carbonate	58		3.0	0.30	mg/L	1		SM 2340B	Dissolved
Calcium hardness as calcium carbonate	37		1.9	0.19	mg/L	1		SM 2340B	Dissolved
Magnesium hardness as calcium carbonate	21		1.1	0.11	mg/L	1		SM 2340B	Dissolved
Nitrate as N	0.096	J	0.10	0.044	mg/L	1		Nitrate by calc	Total/NA
Total Anions	1.3				meq/L	1		SM 1030E	Total/NA
Total Cations	7.2				meq/L	1		SM 1030E	Total/NA
Percent Difference	70				%	1		SM 1030E	Total/NA
Calcium	0.00				mg/L	1		SM 1030E	Total/NA
Magnesium	5000				ug/L	1		SM 1030E	Total/NA
Potassium	480				ug/L	1		SM 1030E	Total/NA
Sodium	1500				ug/L	1		SM 1030E	Total/NA
Aluminum	60				mg/L	1		SM 1030E	Total/NA
Chloride	0.00				mg/L	1		SM 1030E	Total/NA
Sulfate	3.9				mg/L	1		SM 1030E	Total/NA
Carbonate Alkalinity as CaCO3	0.00				mg/L	1		SM 1030E	Total/NA
Bicarbonate Alkalinity as CaCO3	60				mg/L	1		SM 1030E	Total/NA
Alkalinity	60				mg/L	1		SM 1030E	Total/NA
Nitrate Nitrite as N	0.096				mg/L	1		SM 1030E	Total/NA
Anion/Cation Balance	70				%	1		SM 1030E	Total/NA
Calculated TDS	100				mg/L	1		SM 1030E	Total/NA
TDS Ratio	0.73				NONE	1		SM 1030E	Total/NA
Total Dissolved Solids	75				mg/L	1		SM 1030E	Total/NA
Iron	30				ug/L	1		SM 1030E	Total/NA
Total Alkalinity as CaCO3	60		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	60		10	3.1	mg/L	1		SM 2320B	Total/NA
Specific Conductance	130		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Electrical Conductivity	130		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids (TDS)	75		10	4.7	mg/L	1		SM 2540C	Total/NA
pH adj. to 25 deg C	7.5	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	18.2	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA
Sulfate	3.9	J	5.0	0.71	mg/L	1		SM 4500 SO4 E	Total/NA
Nitrate Nitrite as N	0.096	J B	0.10	0.044	mg/L	1		353.2	Dissolved

Client Sample ID: RM 2

Lab Sample ID: 280-179640-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.0		5.0	0.50	ug/L	1		200.8	Dissolved
Barium	2.7	J	3.0	0.38	ug/L	1		200.8	Dissolved
Cadmium	1.0		1.0	0.19	ug/L	1		200.8	Dissolved
Copper	2.8		2.0	0.71	ug/L	1		200.8	Dissolved

This Detection Summary does not include radiochemical test results.

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Client Sample ID: RM 2 (Continued)

Lab Sample ID: 280-179640-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	1.5	J	3.0	0.51	ug/L	1		200.8	Dissolved
Zinc	73		10	2.0	ug/L	1		200.8	Dissolved
Aluminum	33	J B	200	8.3	ug/L	1		200.8	Dissolved
Iron	22	J B	200	8.7	ug/L	1		200.8	Dissolved
Calcium	15000		200	32	ug/L	1		200.8	Dissolved
Potassium	1000		1000	52	ug/L	1		200.8	Dissolved
Magnesium	3500	B	200	4.2	ug/L	1		200.8	Dissolved
Sodium	4200		1000	73	ug/L	1		200.8	Dissolved
Hardness as calcium carbonate	52		3.0	0.30	mg/L	1		SM 2340B	Dissolved
Calcium hardness as calcium carbonate	38		1.9	0.19	mg/L	1		SM 2340B	Dissolved
Magnesium hardness as calcium carbonate	14		1.1	0.11	mg/L	1		SM 2340B	Dissolved
Nitrate as N	0.066	J	0.10	0.044	mg/L	1		Nitrate by calc	Total/NA
Total Anions	1.3				meq/L	1		SM 1030E	Total/NA
Total Cations	5.4				meq/L	1		SM 1030E	Total/NA
Percent Difference	60				%	1		SM 1030E	Total/NA
Calcium	0.00				mg/L	1		SM 1030E	Total/NA
Magnesium	3500				ug/L	1		SM 1030E	Total/NA
Potassium	1000				ug/L	1		SM 1030E	Total/NA
Sodium	4200				ug/L	1		SM 1030E	Total/NA
Aluminum	44				mg/L	1		SM 1030E	Total/NA
Chloride	0.00				mg/L	1		SM 1030E	Total/NA
Sulfate	22				mg/L	1		SM 1030E	Total/NA
Carbonate Alkalinity as CaCO3	0.00				mg/L	1		SM 1030E	Total/NA
Bicarbonate Alkalinity as CaCO3	44				mg/L	1		SM 1030E	Total/NA
Alkalinity	44				mg/L	1		SM 1030E	Total/NA
Nitrate Nitrite as N	0.066				mg/L	1		SM 1030E	Total/NA
Anion/Cation Balance	60				%	1		SM 1030E	Total/NA
Calculated TDS	79				mg/L	1		SM 1030E	Total/NA
TDS Ratio	1.2				NONE	1		SM 1030E	Total/NA
Total Dissolved Solids	98				mg/L	1		SM 1030E	Total/NA
Iron	22				ug/L	1		SM 1030E	Total/NA
Total Alkalinity as CaCO3	44		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	44		10	3.1	mg/L	1		SM 2320B	Total/NA
Specific Conductance	140		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Electrical Conductivity	140		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids (TDS)	98		10	4.7	mg/L	1		SM 2540C	Total/NA
pH adj. to 25 deg C	7.8	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	22.6	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA
Sulfate	22		5.0	0.71	mg/L	1		SM 4500 SO4 E	Total/NA
Nitrate Nitrite as N	0.066	J B	0.10	0.044	mg/L	1		353.2	Dissolved

Client Sample ID: RM 3

Lab Sample ID: 280-179640-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	12		3.0	0.38	ug/L	1		200.8	Dissolved
Copper	0.74	J	2.0	0.71	ug/L	1		200.8	Dissolved
Manganese	1.0	J	3.0	0.51	ug/L	1		200.8	Dissolved
Zinc	11		10	2.0	ug/L	1		200.8	Dissolved
Aluminum	8.9	J B	200	8.3	ug/L	1		200.8	Dissolved
Calcium	15000		200	32	ug/L	1		200.8	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: RM 3 (Continued)

Lab Sample ID: 280-179640-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	460	J	1000	52	ug/L	1		200.8	Dissolved
Magnesium	5000	B	200	4.2	ug/L	1		200.8	Dissolved
Sodium	1400		1000	73	ug/L	1		200.8	Dissolved
Hardness as calcium carbonate	58		3.0	0.30	mg/L	1		SM 2340B	Dissolved
Calcium hardness as calcium carbonate	38		1.9	0.19	mg/L	1		SM 2340B	Dissolved
Magnesium hardness as calcium carbonate	20		1.1	0.11	mg/L	1		SM 2340B	Dissolved
Nitrate as N	0.093	J	0.10	0.044	mg/L	1		Nitrate by calc	Total/NA
Total Anions	1.3				meq/L	1		SM 1030E	Total/NA
Total Cations	7.2				meq/L	1		SM 1030E	Total/NA
Percent Difference	69				%	1		SM 1030E	Total/NA
Calcium	0.00				mg/L	1		SM 1030E	Total/NA
Magnesium	5000				ug/L	1		SM 1030E	Total/NA
Potassium	460				ug/L	1		SM 1030E	Total/NA
Sodium	1400				ug/L	1		SM 1030E	Total/NA
Aluminum	60				mg/L	1		SM 1030E	Total/NA
Chloride	0.00				mg/L	1		SM 1030E	Total/NA
Sulfate	4.3				mg/L	1		SM 1030E	Total/NA
Carbonate Alkalinity as CaCO3	0.00				mg/L	1		SM 1030E	Total/NA
Bicarbonate Alkalinity as CaCO3	60				mg/L	1		SM 1030E	Total/NA
Alkalinity	60				mg/L	1		SM 1030E	Total/NA
Nitrate Nitrite as N	0.093				mg/L	1		SM 1030E	Total/NA
Anion/Cation Balance	69				%	1		SM 1030E	Total/NA
Calculated TDS	100				mg/L	1		SM 1030E	Total/NA
TDS Ratio	0.79				NONE	1		SM 1030E	Total/NA
Total Dissolved Solids	81				mg/L	1		SM 1030E	Total/NA
Iron	0.00				ug/L	1		SM 1030E	Total/NA
Total Alkalinity as CaCO3	60		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	60		10	3.1	mg/L	1		SM 2320B	Total/NA
Specific Conductance	130		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Electrical Conductivity	130		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids (TDS)	81		10	4.7	mg/L	1		SM 2540C	Total/NA
pH adj. to 25 deg C	8.0	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	22.6	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA
Sulfate	4.3	J	5.0	0.71	mg/L	1		SM 4500 SO4 E	Total/NA
Nitrate Nitrite as N	0.093	J B	0.10	0.044	mg/L	1		353.2	Dissolved

Client Sample ID: CM 1

Lab Sample ID: 280-179640-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	11		3.0	0.38	ug/L	1		200.8	Dissolved
Manganese	1.3	J	3.0	0.51	ug/L	1		200.8	Dissolved
Zinc	10		10	2.0	ug/L	1		200.8	Dissolved
Calcium	15000		200	32	ug/L	1		200.8	Dissolved
Potassium	470	J	1000	52	ug/L	1		200.8	Dissolved
Magnesium	4900	B	200	4.2	ug/L	1		200.8	Dissolved
Sodium	1400		1000	73	ug/L	1		200.8	Dissolved
Hardness as calcium carbonate	57		3.0	0.30	mg/L	1		SM 2340B	Dissolved
Calcium hardness as calcium carbonate	37		1.9	0.19	mg/L	1		SM 2340B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: CM 1 (Continued)

Lab Sample ID: 280-179640-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium hardness as calcium carbonate	20		1.1	0.11	mg/L	1		SM 2340B	Dissolved
Nitrate as N	0.095	J	0.10	0.044	mg/L	1		Nitrate by calc	Total/NA
Total Anions	1.3				meq/L	1		SM 1030E	Total/NA
Total Cations	7.1				meq/L	1		SM 1030E	Total/NA
Percent Difference	69				%	1		SM 1030E	Total/NA
Calcium	0.00				mg/L	1		SM 1030E	Total/NA
Magnesium	4900				ug/L	1		SM 1030E	Total/NA
Potassium	470				ug/L	1		SM 1030E	Total/NA
Sodium	1400				ug/L	1		SM 1030E	Total/NA
Aluminum	60				mg/L	1		SM 1030E	Total/NA
Chloride	0.00				mg/L	1		SM 1030E	Total/NA
Sulfate	4.5				mg/L	1		SM 1030E	Total/NA
Carbonate Alkalinity as CaCO3	0.00				mg/L	1		SM 1030E	Total/NA
Bicarbonate Alkalinity as CaCO3	60				mg/L	1		SM 1030E	Total/NA
Alkalinity	60				mg/L	1		SM 1030E	Total/NA
Nitrate Nitrite as N	0.095				mg/L	1		SM 1030E	Total/NA
Anion/Cation Balance	69				%	1		SM 1030E	Total/NA
Calculated TDS	100				mg/L	1		SM 1030E	Total/NA
TDS Ratio	0.86				NONE	1		SM 1030E	Total/NA
Total Dissolved Solids	88				mg/L	1		SM 1030E	Total/NA
Iron	0.00				ug/L	1		SM 1030E	Total/NA
Total Alkalinity as CaCO3	60		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	60		10	3.1	mg/L	1		SM 2320B	Total/NA
Specific Conductance	130		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Electrical Conductivity	130		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids (TDS)	88		10	4.7	mg/L	1		SM 2540C	Total/NA
pH adj. to 25 deg C	8.1	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	23.0	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA
Sulfate	4.5	J	5.0	0.71	mg/L	1		SM 4500 SO4 E	Total/NA
Nitrate Nitrite as N	0.095	J B	0.10	0.044	mg/L	1		353.2	Dissolved

Client Sample ID: CM 2

Lab Sample ID: 280-179640-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.0	J	5.0	0.50	ug/L	1		200.8	Dissolved
Barium	15		3.0	0.38	ug/L	1		200.8	Dissolved
Cadmium	0.23	J	1.0	0.19	ug/L	1		200.8	Dissolved
Manganese	1.7	J	3.0	0.51	ug/L	1		200.8	Dissolved
Zinc	16		10	2.0	ug/L	1		200.8	Dissolved
Calcium	20000		200	32	ug/L	1		200.8	Dissolved
Potassium	550	J	1000	52	ug/L	1		200.8	Dissolved
Magnesium	3800	B	200	4.2	ug/L	1		200.8	Dissolved
Sodium	5900		1000	73	ug/L	1		200.8	Dissolved
Hardness as calcium carbonate	65		3.0	0.30	mg/L	1		SM 2340B	Dissolved
Calcium hardness as calcium carbonate	49		1.9	0.19	mg/L	1		SM 2340B	Dissolved
Magnesium hardness as calcium carbonate	16		1.1	0.11	mg/L	1		SM 2340B	Dissolved
Nitrate as N	0.067	J	0.10	0.044	mg/L	1		Nitrate by calc	Total/NA
Total Anions	1.6				meq/L	1		SM 1030E	Total/NA
Total Cations	7.1				meq/L	1		SM 1030E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: CM 2 (Continued) — Lab Sample ID: 280-179640-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Percent Difference	64				%	1		SM 1030E	Total/NA
Calcium	0.00				mg/L	1		SM 1030E	Total/NA
Magnesium	3800				ug/L	1		SM 1030E	Total/NA
Potassium	550				ug/L	1		SM 1030E	Total/NA
Sodium	5900				ug/L	1		SM 1030E	Total/NA
Aluminum	59				mg/L	1		SM 1030E	Total/NA
Chloride	0.00				mg/L	1		SM 1030E	Total/NA
Sulfate	19				mg/L	1		SM 1030E	Total/NA
Carbonate Alkalinity as CaCO3	0.00				mg/L	1		SM 1030E	Total/NA
Bicarbonate Alkalinity as CaCO3	59				mg/L	1		SM 1030E	Total/NA
Alkalinity	59				mg/L	1		SM 1030E	Total/NA
Nitrate Nitrite as N	0.067				mg/L	1		SM 1030E	Total/NA
Anion/Cation Balance	64				%	1		SM 1030E	Total/NA
Calculated TDS	100				mg/L	1		SM 1030E	Total/NA
TDS Ratio	1.1				NONE	1		SM 1030E	Total/NA
Total Dissolved Solids	110				mg/L	1		SM 1030E	Total/NA
Iron	0.00				ug/L	1		SM 1030E	Total/NA
Total Alkalinity as CaCO3	59		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	59		10	3.1	mg/L	1		SM 2320B	Total/NA
Specific Conductance	180		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Electrical Conductivity	180		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids (TDS)	110		10	4.7	mg/L	1		SM 2540C	Total/NA
pH adj. to 25 deg C	8.0	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	23.1	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA
Sulfate	19		5.0	0.71	mg/L	1		SM 4500 SO4 E	Total/NA
Nitrate Nitrite as N	0.067	J B	0.10	0.044	mg/L	1		353.2	Dissolved

Client Sample ID: CM 3 — Lab Sample ID: 280-179640-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	11		3.0	0.38	ug/L	1		200.8	Dissolved
Manganese	1.4	J	3.0	0.51	ug/L	1		200.8	Dissolved
Zinc	8.2	J	10	2.0	ug/L	1		200.8	Dissolved
Iron	9.7	J B	200	8.7	ug/L	1		200.8	Dissolved
Calcium	14000		200	32	ug/L	1		200.8	Dissolved
Potassium	450	J	1000	52	ug/L	1		200.8	Dissolved
Magnesium	4600	B	200	4.2	ug/L	1		200.8	Dissolved
Sodium	1400		1000	73	ug/L	1		200.8	Dissolved
Hardness as calcium carbonate	54		3.0	0.30	mg/L	1		SM 2340B	Dissolved
Calcium hardness as calcium carbonate	35		1.9	0.19	mg/L	1		SM 2340B	Dissolved
Magnesium hardness as calcium carbonate	19		1.1	0.11	mg/L	1		SM 2340B	Dissolved
Nitrate as N	0.093	J	0.10	0.044	mg/L	1		Nitrate by calc	Total/NA
Total Anions	1.3				meq/L	1		SM 1030E	Total/NA
Total Cations	7.3				meq/L	1		SM 1030E	Total/NA
Percent Difference	69				%	1		SM 1030E	Total/NA
Calcium	0.00				mg/L	1		SM 1030E	Total/NA
Magnesium	4600				ug/L	1		SM 1030E	Total/NA
Potassium	450				ug/L	1		SM 1030E	Total/NA
Sodium	1400				ug/L	1		SM 1030E	Total/NA
Aluminum	62				mg/L	1		SM 1030E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: CM 3 (Continued)

Lab Sample ID: 280-179640-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	0.00				mg/L	1		SM 1030E	Total/NA
Sulfate	4.9				mg/L	1		SM 1030E	Total/NA
Carbonate Alkalinity as CaCO3	0.00				mg/L	1		SM 1030E	Total/NA
Bicarbonate Alkalinity as CaCO3	62				mg/L	1		SM 1030E	Total/NA
Alkalinity	62				mg/L	1		SM 1030E	Total/NA
Nitrate Nitrite as N	0.093				mg/L	1		SM 1030E	Total/NA
Anion/Cation Balance	69				%	1		SM 1030E	Total/NA
Calculated TDS	110				mg/L	1		SM 1030E	Total/NA
TDS Ratio	0.60				NONE	1		SM 1030E	Total/NA
Total Dissolved Solids	63				mg/L	1		SM 1030E	Total/NA
Iron	9.7				ug/L	1		SM 1030E	Total/NA
Total Alkalinity as CaCO3	62		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	62		10	3.1	mg/L	1		SM 2320B	Total/NA
Specific Conductance	130		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Electrical Conductivity	130		2.0	2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids (TDS)	63		10	4.7	mg/L	1		SM 2540C	Total/NA
pH adj. to 25 deg C	8.1	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	23.2	HF	1.0	1.0	Degrees C	1		SM 4500 H+ B	Total/NA
Sulfate	4.9	J	5.0	0.71	mg/L	1		SM 4500 SO4 E	Total/NA
Nitrate Nitrite as N	0.093	J B	0.10	0.044	mg/L	1		353.2	Dissolved

This Detection Summary does not include radiochemical test results.

Method Summary

Client: MineWater LLC
Project/Site: Raymond Carter Water

Job ID: 280-179640-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET DEN
245.1	Mercury (CVAA)	EPA	EET DEN
SM 2340B	Hardness, Calculation	SM	EET DEN
335.4	Cyanide, Total	EPA	EET DEN
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET DEN
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	EET DEN
SM 1030E	Cation Anion Balance	SM	EET DEN
SM 2320B	Alkalinity	SM	EET DEN
SM 2510B	Conductivity, Specific Conductance	SM	EET DEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DEN
SM 4500 Cl- E	Chloride, Total	SM	EET DEN
SM 4500 H+ B	pH	SM	EET DEN
SM 4500 NO2 B	Nitrogen, Nitrite	SM	EET DEN
SM 4500 SO4 E	Sulfate, Total	SM	EET DEN
200.8	Preparation, Total Recoverable Metals	EPA	EET DEN
245.1	Preparation, Mercury	EPA	EET DEN
Distill/CN	Distillation, Cyanide	None	EET DEN
FILTRATION	Sample Filtration	None	EET DEN

Protocol References:

EPA = US Environmental Protection Agency
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: MineWater LLC
Project/Site: Raymond Carter Water

Job ID: 280-179640-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-179640-1	RM 1	Water	07/26/23 10:02	07/28/23 10:09
280-179640-2	RM 2	Water	07/26/23 10:21	07/28/23 10:09
280-179640-3	RM 3	Water	07/26/23 10:40	07/28/23 10:09
280-179640-4	CM 1	Water	07/26/23 10:54	07/28/23 10:09
280-179640-5	CM 2	Water	07/26/23 11:15	07/28/23 10:09
280-179640-6	CM 3	Water	07/26/23 11:35	07/28/23 10:09

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Client Sample ID: RM 1
Date Collected: 07/26/23 10:02
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0	0.40	ug/L		08/07/23 14:45	08/08/23 18:55	1
Arsenic	ND		5.0	0.50	ug/L		08/07/23 14:45	08/08/23 18:55	1
Barium	**12**		3.0	0.38	ug/L		08/07/23 14:45	08/08/23 18:55	1
Beryllium	ND		1.0	0.30	ug/L		08/07/23 14:45	08/08/23 18:55	1
Cadmium	**0.22**	**J**	1.0	0.19	ug/L		08/07/23 14:45	08/08/23 18:55	1
Chromium	ND		3.0	0.50	ug/L		08/07/23 14:45	08/08/23 18:55	1
Cobalt	ND	F1	1.0	0.33	ug/L		08/07/23 14:45	08/08/23 18:55	1
Copper	ND	F1	2.0	0.71	ug/L		08/07/23 14:45	08/08/23 18:55	1
Lead	ND		1.0	0.23	ug/L		08/07/23 14:45	08/08/23 18:55	1
Manganese	**1.4**	**J**	3.0	0.51	ug/L		08/07/23 14:45	08/08/23 18:55	1
Nickel	ND		3.0	0.83	ug/L		08/07/23 14:45	08/08/23 18:55	1
Vanadium	ND		5.0	1.1	ug/L		08/07/23 14:45	08/08/23 18:55	1
Zinc	**10**	**F1**	10	2.0	ug/L		08/07/23 14:45	08/08/23 18:55	1
Aluminum	**11**	**J B**	200	8.3	ug/L		08/07/23 14:45	08/08/23 18:55	1
Iron	**30**	**J B**	200	8.7	ug/L		08/07/23 14:45	08/08/23 18:55	1
Calcium	**15000**		200	32	ug/L		08/07/23 14:45	08/08/23 18:55	1
Potassium	**480**	**J**	1000	52	ug/L		08/07/23 14:45	08/08/23 18:55	1
Magnesium	**5000**	**B**	200	4.2	ug/L		08/07/23 14:45	08/08/23 18:55	1
Sodium	**1500**	**F1**	1000	73	ug/L		08/07/23 14:45	08/08/23 18:55	1

Client Sample ID: RM 2
Date Collected: 07/26/23 10:21
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0	0.40	ug/L		08/07/23 14:45	08/08/23 19:13	1
Arsenic	**7.0**		5.0	0.50	ug/L		08/07/23 14:45	08/08/23 19:13	1
Barium	**2.7**	**J**	3.0	0.38	ug/L		08/07/23 14:45	08/08/23 19:13	1
Beryllium	ND		1.0	0.30	ug/L		08/07/23 14:45	08/08/23 19:13	1
Cadmium	**1.0**		1.0	0.19	ug/L		08/07/23 14:45	08/08/23 19:13	1
Chromium	ND		3.0	0.50	ug/L		08/07/23 14:45	08/08/23 19:13	1
Cobalt	ND		1.0	0.33	ug/L		08/07/23 14:45	08/08/23 19:13	1
Copper	**2.8**		2.0	0.71	ug/L		08/07/23 14:45	08/08/23 19:13	1
Lead	ND		1.0	0.23	ug/L		08/07/23 14:45	08/08/23 19:13	1
Manganese	**1.5**	**J**	3.0	0.51	ug/L		08/07/23 14:45	08/08/23 19:13	1
Nickel	ND		3.0	0.83	ug/L		08/07/23 14:45	08/08/23 19:13	1
Vanadium	ND		5.0	1.1	ug/L		08/07/23 14:45	08/08/23 19:13	1
Zinc	**73**		10	2.0	ug/L		08/07/23 14:45	08/08/23 19:13	1
Aluminum	**33**	**J B**	200	8.3	ug/L		08/07/23 14:45	08/08/23 19:13	1
Iron	**22**	**J B**	200	8.7	ug/L		08/07/23 14:45	08/08/23 19:13	1
Calcium	**15000**		200	32	ug/L		08/07/23 14:45	08/08/23 19:13	1
Potassium	**1000**		1000	52	ug/L		08/07/23 14:45	08/08/23 19:13	1
Magnesium	**3500**	**B**	200	4.2	ug/L		08/07/23 14:45	08/08/23 19:13	1
Sodium	**4200**		1000	73	ug/L		08/07/23 14:45	08/08/23 19:13	1

Client Sample ID: RM 3
Date Collected: 07/26/23 10:40
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0	0.40	ug/L		08/07/23 14:45	08/08/23 19:17	1
Arsenic	ND		5.0	0.50	ug/L		08/07/23 14:45	08/08/23 19:17	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Client Sample ID: RM 3
Date Collected: 07/26/23 10:40
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**12**		3.0	0.38	ug/L		08/07/23 14:45	08/08/23 19:17	1
Beryllium	ND		1.0	0.30	ug/L		08/07/23 14:45	08/08/23 19:17	1
Cadmium	ND		1.0	0.19	ug/L		08/07/23 14:45	08/08/23 19:17	1
Chromium	ND		3.0	0.50	ug/L		08/07/23 14:45	08/08/23 19:17	1
Cobalt	ND		1.0	0.33	ug/L		08/07/23 14:45	08/08/23 19:17	1
Copper	**0.74**	**J**	2.0	0.71	ug/L		08/07/23 14:45	08/08/23 19:17	1
Lead	ND		1.0	0.23	ug/L		08/07/23 14:45	08/08/23 19:17	1
Manganese	**1.0**	**J**	3.0	0.51	ug/L		08/07/23 14:45	08/08/23 19:17	1
Nickel	ND		3.0	0.83	ug/L		08/07/23 14:45	08/08/23 19:17	1
Vanadium	ND		5.0	1.1	ug/L		08/07/23 14:45	08/08/23 19:17	1
Zinc	**11**		10	2.0	ug/L		08/07/23 14:45	08/08/23 19:17	1
Aluminum	**8.9**	**J B**	200	8.3	ug/L		08/07/23 14:45	08/08/23 19:17	1
Iron	ND		200	8.7	ug/L		08/07/23 14:45	08/08/23 19:17	1
Calcium	**15000**		200	32	ug/L		08/07/23 14:45	08/08/23 19:17	1
Potassium	**460**	**J**	1000	52	ug/L		08/07/23 14:45	08/08/23 19:17	1
Magnesium	**5000**	**B**	200	4.2	ug/L		08/07/23 14:45	08/08/23 19:17	1
Sodium	**1400**		1000	73	ug/L		08/07/23 14:45	08/08/23 19:17	1

Client Sample ID: CM 1
Date Collected: 07/26/23 10:54
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0	0.40	ug/L		08/07/23 14:45	08/08/23 19:20	1
Arsenic	ND		5.0	0.50	ug/L		08/07/23 14:45	08/08/23 19:20	1
Barium	**11**		3.0	0.38	ug/L		08/07/23 14:45	08/08/23 19:20	1
Beryllium	ND		1.0	0.30	ug/L		08/07/23 14:45	08/08/23 19:20	1
Cadmium	ND		1.0	0.19	ug/L		08/07/23 14:45	08/08/23 19:20	1
Chromium	ND		3.0	0.50	ug/L		08/07/23 14:45	08/08/23 19:20	1
Cobalt	ND		1.0	0.33	ug/L		08/07/23 14:45	08/08/23 19:20	1
Copper	ND		2.0	0.71	ug/L		08/07/23 14:45	08/08/23 19:20	1
Lead	ND		1.0	0.23	ug/L		08/07/23 14:45	08/08/23 19:20	1
Manganese	**1.3**	**J**	3.0	0.51	ug/L		08/07/23 14:45	08/08/23 19:20	1
Nickel	ND		3.0	0.83	ug/L		08/07/23 14:45	08/08/23 19:20	1
Vanadium	ND		5.0	1.1	ug/L		08/07/23 14:45	08/08/23 19:20	1
Zinc	**10**		10	2.0	ug/L		08/07/23 14:45	08/08/23 19:20	1
Aluminum	ND		200	8.3	ug/L		08/07/23 14:45	08/08/23 19:20	1
Iron	ND		200	8.7	ug/L		08/07/23 14:45	08/08/23 19:20	1
Calcium	**15000**		200	32	ug/L		08/07/23 14:45	08/08/23 19:20	1
Potassium	**470**	**J**	1000	52	ug/L		08/07/23 14:45	08/08/23 19:20	1
Magnesium	**4900**	**B**	200	4.2	ug/L		08/07/23 14:45	08/08/23 19:20	1
Sodium	**1400**		1000	73	ug/L		08/07/23 14:45	08/08/23 19:20	1

Client Sample ID: CM 2
Date Collected: 07/26/23 11:15
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0	0.40	ug/L		08/07/23 14:45	08/08/23 19:24	1
Arsenic	**2.0**	**J**	5.0	0.50	ug/L		08/07/23 14:45	08/08/23 19:24	1
Barium	**15**		3.0	0.38	ug/L		08/07/23 14:45	08/08/23 19:24	1
Beryllium	ND		1.0	0.30	ug/L		08/07/23 14:45	08/08/23 19:24	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Client Sample ID: CM 2
Date Collected: 07/26/23 11:15
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.23**	**J**	1.0	0.19	ug/L		08/07/23 14:45	08/08/23 19:24	1
Chromium	ND		3.0	0.50	ug/L		08/07/23 14:45	08/08/23 19:24	1
Cobalt	ND		1.0	0.33	ug/L		08/07/23 14:45	08/08/23 19:24	1
Copper	ND		2.0	0.71	ug/L		08/07/23 14:45	08/08/23 19:24	1
Lead	ND		1.0	0.23	ug/L		08/07/23 14:45	08/08/23 19:24	1
Manganese	**1.7**	**J**	3.0	0.51	ug/L		08/07/23 14:45	08/08/23 19:24	1
Nickel	ND		3.0	0.83	ug/L		08/07/23 14:45	08/08/23 19:24	1
Vanadium	ND		5.0	1.1	ug/L		08/07/23 14:45	08/08/23 19:24	1
Zinc	**16**		10	2.0	ug/L		08/07/23 14:45	08/08/23 19:24	1
Aluminum	ND		200	8.3	ug/L		08/07/23 14:45	08/08/23 19:24	1
Iron	ND		200	8.7	ug/L		08/07/23 14:45	08/08/23 19:24	1
Calcium	**20000**		200	32	ug/L		08/07/23 14:45	08/08/23 19:24	1
Potassium	**550**	**J**	1000	52	ug/L		08/07/23 14:45	08/08/23 19:24	1
Magnesium	**3800**	**B**	200	4.2	ug/L		08/07/23 14:45	08/08/23 19:24	1
Sodium	**5900**		1000	73	ug/L		08/07/23 14:45	08/08/23 19:24	1

Client Sample ID: CM 3
Date Collected: 07/26/23 11:35
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0	0.40	ug/L		08/07/23 14:45	08/08/23 19:27	1
Arsenic	ND		5.0	0.50	ug/L		08/07/23 14:45	08/08/23 19:27	1
Barium	**11**		3.0	0.38	ug/L		08/07/23 14:45	08/08/23 19:27	1
Beryllium	ND		1.0	0.30	ug/L		08/07/23 14:45	08/08/23 19:27	1
Cadmium	ND		1.0	0.19	ug/L		08/07/23 14:45	08/08/23 19:27	1
Chromium	ND		3.0	0.50	ug/L		08/07/23 14:45	08/08/23 19:27	1
Cobalt	ND	F1	1.0	0.33	ug/L		08/07/23 14:45	08/08/23 19:27	1
Copper	ND	F1	2.0	0.71	ug/L		08/07/23 14:45	08/08/23 19:27	1
Lead	ND		1.0	0.23	ug/L		08/07/23 14:45	08/08/23 19:27	1
Manganese	**1.4**	**J**	3.0	0.51	ug/L		08/07/23 14:45	08/08/23 19:27	1
Nickel	ND		3.0	0.83	ug/L		08/07/23 14:45	08/08/23 19:27	1
Vanadium	ND		5.0	1.1	ug/L		08/07/23 14:45	08/08/23 19:27	1
Zinc	**8.2**	**J**	10	2.0	ug/L		08/07/23 14:45	08/08/23 19:27	1
Aluminum	ND		200	8.3	ug/L		08/07/23 14:45	08/08/23 19:27	1
Iron	**9.7**	**J B**	200	8.7	ug/L		08/07/23 14:45	08/08/23 19:27	1
Calcium	**14000**		200	32	ug/L		08/07/23 14:45	08/08/23 19:27	1
Potassium	**450**	**J**	1000	52	ug/L		08/07/23 14:45	08/08/23 19:27	1
Magnesium	**4600**	**B**	200	4.2	ug/L		08/07/23 14:45	08/08/23 19:27	1
Sodium	**1400**		1000	73	ug/L		08/07/23 14:45	08/08/23 19:27	1

Method: EPA 245.1 - Mercury (CVAA)

Client Sample ID: RM 1
Date Collected: 07/26/23 10:02
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		08/09/23 20:35	08/10/23 15:51	1

Method: EPA 245.1 - Mercury (CVAA)

Client Sample ID: RM 2
Date Collected: 07/26/23 10:21
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		08/09/23 20:35	08/10/23 15:53	1

Client Sample ID: RM 3
Date Collected: 07/26/23 10:40
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		08/09/23 20:35	08/10/23 16:37	1

Client Sample ID: CM 1
Date Collected: 07/26/23 10:54
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		08/09/23 20:35	08/10/23 16:39	1

Client Sample ID: CM 2
Date Collected: 07/26/23 11:15
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		08/09/23 20:35	08/10/23 16:42	1

Client Sample ID: CM 3
Date Collected: 07/26/23 11:35
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		08/09/23 20:35	08/10/23 16:44	1

Method: SM 2340B - Hardness, Calculation - Dissolved

Client Sample ID: RM 1
Date Collected: 07/26/23 10:02
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	58		3.0	0.30	mg/L			08/10/23 10:26	1
Calcium hardness as calcium carbonate	37		1.9	0.19	mg/L			08/10/23 10:26	1
Magnesium hardness as calcium carbonate	21		1.1	0.11	mg/L			08/10/23 10:26	1

Client Sample ID: RM 2
Date Collected: 07/26/23 10:21
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	52		3.0	0.30	mg/L			08/10/23 10:26	1
Calcium hardness as calcium carbonate	38		1.9	0.19	mg/L			08/10/23 10:26	1
Magnesium hardness as calcium carbonate	14		1.1	0.11	mg/L			08/10/23 10:26	1

Method: SM 2340B - Hardness, Calculation - Dissolved

Client Sample ID: RM 3
Date Collected: 07/26/23 10:40
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	58		3.0	0.30	mg/L			08/10/23 10:26	1
Calcium hardness as calcium carbonate	38		1.9	0.19	mg/L			08/10/23 10:26	1
Magnesium hardness as calcium carbonate	20		1.1	0.11	mg/L			08/10/23 10:26	1

Client Sample ID: CM 1
Date Collected: 07/26/23 10:54
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	57		3.0	0.30	mg/L			08/10/23 10:26	1
Calcium hardness as calcium carbonate	37		1.9	0.19	mg/L			08/10/23 10:26	1
Magnesium hardness as calcium carbonate	20		1.1	0.11	mg/L			08/10/23 10:26	1

Client Sample ID: CM 2
Date Collected: 07/26/23 11:15
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	65		3.0	0.30	mg/L			08/10/23 10:26	1
Calcium hardness as calcium carbonate	49		1.9	0.19	mg/L			08/10/23 10:26	1
Magnesium hardness as calcium carbonate	16		1.1	0.11	mg/L			08/10/23 10:26	1

Client Sample ID: CM 3
Date Collected: 07/26/23 11:35
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	54		3.0	0.30	mg/L			08/10/23 10:26	1
Calcium hardness as calcium carbonate	35		1.9	0.19	mg/L			08/10/23 10:26	1
Magnesium hardness as calcium carbonate	19		1.1	0.11	mg/L			08/10/23 10:26	1

General Chemistry

Client Sample ID: RM 1
Date Collected: 07/26/23 10:02
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	ND		0.010	0.0050	mg/L		08/09/23 16:16	08/09/23 16:19	1
Nitrate as N (SM Nitrate by calc)	0.096	J	0.10	0.044	mg/L			07/31/23 08:26	1
Total Anions (SM 1030E)	1.3				meq/L			08/11/23 15:16	1
Total Cations (SM 1030E)	7.2				meq/L			08/11/23 15:16	1
Percent Difference (SM 1030E)	70				%			08/11/23 15:16	1
Calcium (SM 1030E)	0.00				mg/L			08/11/23 15:16	1
Magnesium (SM 1030E)	5000				ug/L			08/11/23 15:16	1
Potassium (SM 1030E)	480				ug/L			08/11/23 15:16	1
Sodium (SM 1030E)	1500				ug/L			08/11/23 15:16	1
Aluminum (SM 1030E)	60				mg/L			08/11/23 15:16	1
Chloride (SM 1030E)	0.00				mg/L			08/11/23 15:16	1

General Chemistry (Continued)

Client Sample ID: RM 1
Date Collected: 07/26/23 10:02
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SM 1030E)	3.9				mg/L			08/11/23 15:16	1
Carbonate Alkalinity as CaCO3 (SM 1030E)	0.00				mg/L			08/11/23 15:16	1
Bicarbonate Alkalinity as CaCO3 (SM 1030E)	60				mg/L			08/11/23 15:16	1
Alkalinity (SM 1030E)	60				mg/L			08/11/23 15:16	1
Nitrate Nitrite as N (SM 1030E)	0.096				mg/L			08/11/23 15:16	1
Anion/Cation Balance (SM 1030E)	70				%			08/11/23 15:16	1
Calculated TDS (SM 1030E)	100				mg/L			08/11/23 15:16	1
TDS Ratio (SM 1030E)	0.73				NONE			08/11/23 15:16	1
Total Dissolved Solids (SM 1030E)	75				mg/L			08/11/23 15:16	1
Iron (SM 1030E)	30				ug/L			08/11/23 15:16	1
Total Alkalinity as CaCO3 (SM 2320B)	60		10	3.1	mg/L			08/01/23 17:09	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	60		10	3.1	mg/L			08/01/23 17:09	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			08/01/23 17:09	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			08/01/23 17:09	1
Specific Conductance (SM 2510B)	130		2.0	2.0	umhos/cm			08/01/23 14:03	1
Electrical Conductivity (SM 2510B)	130		2.0	2.0	umhos/cm			08/01/23 14:03	1
Total Dissolved Solids (TDS) (SM 2540C)	75		10	4.7	mg/L			07/31/23 12:34	1
Chloride (SM 4500 Cl- E)	ND		2.0	0.68	mg/L			07/31/23 13:35	1
pH adj. to 25 deg C (SM 4500 H+ B	7.5	HF	0.1	0.1	SU			08/02/23 14:44	1
Temperature (SM 4500 H+ B)	18.2	HF	1.0	1.0	Degrees C			08/02/23 14:44	1
Sulfate (SM 4500 SO4 E)	3.9	J	5.0	0.71	mg/L			07/31/23 13:39	1

Client Sample ID: RM 2
Date Collected: 07/26/23 10:21
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	ND		0.010	0.0050	mg/L		08/09/23 16:16	08/09/23 16:21	1
Nitrate as N (SM Nitrate by calc)	0.066	J	0.10	0.044	mg/L			07/31/23 08:26	1
Total Anions (SM 1030E)	1.3				meq/L			08/11/23 15:16	1
Total Cations (SM 1030E)	5.4				meq/L			08/11/23 15:16	1
Percent Difference (SM 1030E)	60				%			08/11/23 15:16	1
Calcium (SM 1030E)	0.00				mg/L			08/11/23 15:16	1
Magnesium (SM 1030E)	3500				ug/L			08/11/23 15:16	1
Potassium (SM 1030E)	1000				ug/L			08/11/23 15:16	1
Sodium (SM 1030E)	4200				ug/L			08/11/23 15:16	1
Aluminum (SM 1030E)	44				mg/L			08/11/23 15:16	1
Chloride (SM 1030E)	0.00				mg/L			08/11/23 15:16	1
Sulfate (SM 1030E)	22				mg/L			08/11/23 15:16	1
Carbonate Alkalinity as CaCO3 (SM 1030E)	0.00				mg/L			08/11/23 15:16	1
Bicarbonate Alkalinity as CaCO3 (SM 1030E)	44				mg/L			08/11/23 15:16	1
Alkalinity (SM 1030E)	44				mg/L			08/11/23 15:16	1
Nitrate Nitrite as N (SM 1030E)	0.066				mg/L			08/11/23 15:16	1
Anion/Cation Balance (SM 1030E)	60				%			08/11/23 15:16	1

General Chemistry (Continued)

Client Sample ID: RM 2
Date Collected: 07/26/23 10:21
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calculated TDS (SM 1030E)	79				mg/L			08/11/23 15:16	1
TDS Ratio (SM 1030E)	1.2				NONE			08/11/23 15:16	1
Total Dissolved Solids (SM 1030E)	98				mg/L			08/11/23 15:16	1
Iron (SM 1030E)	22				ug/L			08/11/23 15:16	1
Total Alkalinity as CaCO3 (SM 2320B)	44		10	3.1	mg/L			08/01/23 17:14	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	44		10	3.1	mg/L			08/01/23 17:14	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			08/01/23 17:14	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			08/01/23 17:14	1
Specific Conductance (SM 2510B)	140		2.0	2.0	umhos/cm			08/01/23 14:03	1
Electrical Conductivity (SM 2510B)	140		2.0	2.0	umhos/cm			08/01/23 14:03	1
Total Dissolved Solids (TDS) (SM 2540C)	98		10	4.7	mg/L			07/31/23 12:34	1
Chloride (SM 4500 Cl- E)	ND		2.0	0.68	mg/L			07/31/23 13:36	1
pH adj. to 25 deg C (SM 4500 H+ B	7.8	HF	0.1	0.1	SU			07/31/23 13:35	1
Temperature (SM 4500 H+ B)	22.6	HF	1.0	1.0	Degrees C			07/31/23 13:35	1
Sulfate (SM 4500 SO4 E)	22		5.0	0.71	mg/L			07/31/23 13:39	1

Client Sample ID: RM 3
Date Collected: 07/26/23 10:40
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	ND		0.010	0.0050	mg/L		08/09/23 16:16	08/09/23 16:23	1
Nitrate as N (SM Nitrate by calc)	0.093	J	0.10	0.044	mg/L			07/31/23 08:26	1
Total Anions (SM 1030E)	1.3				meq/L			08/11/23 15:16	1
Total Cations (SM 1030E)	7.2				meq/L			08/11/23 15:16	1
Percent Difference (SM 1030E)	69				%			08/11/23 15:16	1
Calcium (SM 1030E)	0.00				mg/L			08/11/23 15:16	1
Magnesium (SM 1030E)	5000				ug/L			08/11/23 15:16	1
Potassium (SM 1030E)	460				ug/L			08/11/23 15:16	1
Sodium (SM 1030E)	1400				ug/L			08/11/23 15:16	1
Aluminum (SM 1030E)	60				mg/L			08/11/23 15:16	1
Chloride (SM 1030E)	0.00				mg/L			08/11/23 15:16	1
Sulfate (SM 1030E)	4.3				mg/L			08/11/23 15:16	1
Carbonate Alkalinity as CaCO3 (SM 1030E)	0.00				mg/L			08/11/23 15:16	1
Bicarbonate Alkalinity as CaCO3 (SM 1030E)	60				mg/L			08/11/23 15:16	1
Alkalinity (SM 1030E)	60				mg/L			08/11/23 15:16	1
Nitrate Nitrite as N (SM 1030E)	0.093				mg/L			08/11/23 15:16	1
Anion/Cation Balance (SM 1030E)	69				%			08/11/23 15:16	1
Calculated TDS (SM 1030E)	100				mg/L			08/11/23 15:16	1
TDS Ratio (SM 1030E)	0.79				NONE			08/11/23 15:16	1
Total Dissolved Solids (SM 1030E)	81				mg/L			08/11/23 15:16	1
Iron (SM 1030E)	0.00				ug/L			08/11/23 15:16	1
Total Alkalinity as CaCO3 (SM 2320B)	60		10	3.1	mg/L			08/01/23 17:30	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	60		10	3.1	mg/L			08/01/23 17:30	1

General Chemistry (Continued)

Client Sample ID: RM 3
Date Collected: 07/26/23 10:40
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			08/01/23 17:30	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			08/01/23 17:30	1
Specific Conductance (SM 2510B)	**130**		2.0	2.0	umhos/cm			08/01/23 14:03	1
Electrical Conductivity (SM 2510B)	**130**		2.0	2.0	umhos/cm			08/01/23 14:03	1
Total Dissolved Solids (TDS) (SM 2540C)	**81**		10	4.7	mg/L			07/31/23 12:34	1
Chloride (SM 4500 Cl- E)	ND		2.0	0.68	mg/L			07/31/23 13:36	1
pH adj. to 25 deg C (SM 4500 H+ B)	**8.0**	**HF**	0.1	0.1	SU			07/31/23 13:39	1
Temperature (SM 4500 H+ B)	**22.6**	**HF**	1.0	1.0	Degrees C			07/31/23 13:39	1
Sulfate (SM 4500 SO4 E)	**4.3**	**J**	5.0	0.71	mg/L			07/31/23 13:40	1

Client Sample ID: CM 1
Date Collected: 07/26/23 10:54
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	ND		0.010	0.0050	mg/L		08/09/23 16:16	08/09/23 16:25	1
Nitrate as N (SM Nitrate by calc)	**0.095**	**J**	0.10	0.044	mg/L			07/31/23 08:26	1
Total Anions (SM 1030E)	**1.3**				meq/L			08/11/23 15:16	1
Total Cations (SM 1030E)	**7.1**				meq/L			08/11/23 15:16	1
Percent Difference (SM 1030E)	**69**				%			08/11/23 15:16	1
Calcium (SM 1030E)	**0.00**				mg/L			08/11/23 15:16	1
Magnesium (SM 1030E)	**4900**				ug/L			08/11/23 15:16	1
Potassium (SM 1030E)	**470**				ug/L			08/11/23 15:16	1
Sodium (SM 1030E)	**1400**				ug/L			08/11/23 15:16	1
Aluminum (SM 1030E)	**60**				mg/L			08/11/23 15:16	1
Chloride (SM 1030E)	**0.00**				mg/L			08/11/23 15:16	1
Sulfate (SM 1030E)	**4.5**				mg/L			08/11/23 15:16	1
Carbonate Alkalinity as CaCO3 (SM 1030E)	**0.00**				mg/L			08/11/23 15:16	1
Bicarbonate Alkalinity as CaCO3 (SM 1030E)	**60**				mg/L			08/11/23 15:16	1
Alkalinity (SM 1030E)	**60**				mg/L			08/11/23 15:16	1
Nitrate Nitrite as N (SM 1030E)	**0.095**				mg/L			08/11/23 15:16	1
Anion/Cation Balance (SM 1030E)	**69**				%			08/11/23 15:16	1
Calculated TDS (SM 1030E)	**100**				mg/L			08/11/23 15:16	1
TDS Ratio (SM 1030E)	**0.86**				NONE			08/11/23 15:16	1
Total Dissolved Solids (SM 1030E)	**88**				mg/L			08/11/23 15:16	1
Iron (SM 1030E)	**0.00**				ug/L			08/11/23 15:16	1
Total Alkalinity as CaCO3 (SM 2320B)	**60**		10	3.1	mg/L			08/01/23 17:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**60**		10	3.1	mg/L			08/01/23 17:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			08/01/23 17:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			08/01/23 17:35	1
Specific Conductance (SM 2510B)	**130**		2.0	2.0	umhos/cm			08/01/23 14:03	1
Electrical Conductivity (SM 2510B)	**130**		2.0	2.0	umhos/cm			08/01/23 14:03	1
Total Dissolved Solids (TDS) (SM 2540C)	**88**		10	4.7	mg/L			07/31/23 12:34	1

General Chemistry (Continued)

Client Sample ID: CM 1
Date Collected: 07/26/23 10:54
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	ND		2.0	0.68	mg/L			07/31/23 13:36	1
pH adj. to 25 deg C (SM 4500 H+ B	**8.1**	**HF**	0.1	0.1	SU			07/31/23 13:44	1
Temperature (SM 4500 H+ B)	**23.0**	**HF**	1.0	1.0	Degrees C			07/31/23 13:44	1
Sulfate (SM 4500 SO4 E)	**4.5**	**J**	5.0	0.71	mg/L			07/31/23 13:40	1

Client Sample ID: CM 2
Date Collected: 07/26/23 11:15
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	ND		0.010	0.0050	mg/L		08/09/23 16:16	08/09/23 16:27	1
Nitrate as N (SM Nitrate by calc)	**0.067**	**J**	0.10	0.044	mg/L			07/31/23 08:26	1
Total Anions (SM 1030E)	**1.6**				meq/L			08/11/23 15:16	1
Total Cations (SM 1030E)	**7.1**				meq/L			08/11/23 15:16	1
Percent Difference (SM 1030E)	**64**				%			08/11/23 15:16	1
Calcium (SM 1030E)	**0.00**				mg/L			08/11/23 15:16	1
Magnesium (SM 1030E)	**3800**				ug/L			08/11/23 15:16	1
Potassium (SM 1030E)	**550**				ug/L			08/11/23 15:16	1
Sodium (SM 1030E)	**5900**				ug/L			08/11/23 15:16	1
Aluminum (SM 1030E)	**59**				mg/L			08/11/23 15:16	1
Chloride (SM 1030E)	**0.00**				mg/L			08/11/23 15:16	1
Sulfate (SM 1030E)	**19**				mg/L			08/11/23 15:16	1
Carbonate Alkalinity as CaCO3 (SM 1030E)	**0.00**				mg/L			08/11/23 15:16	1
Bicarbonate Alkalinity as CaCO3 (SM 1030E)	**59**				mg/L			08/11/23 15:16	1
Alkalinity (SM 1030E)	**59**				mg/L			08/11/23 15:16	1
Nitrate Nitrite as N (SM 1030E)	**0.067**				mg/L			08/11/23 15:16	1
Anion/Cation Balance (SM 1030E)	**64**				%			08/11/23 15:16	1
Calculated TDS (SM 1030E)	**100**				mg/L			08/11/23 15:16	1
TDS Ratio (SM 1030E)	**1.1**				NONE			08/11/23 15:16	1
Total Dissolved Solids (SM 1030E)	**110**				mg/L			08/11/23 15:16	1
Iron (SM 1030E)	**0.00**				ug/L			08/11/23 15:16	1
Total Alkalinity as CaCO3 (SM 2320B)	**59**		10	3.1	mg/L			08/01/23 17:40	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**59**		10	3.1	mg/L			08/01/23 17:40	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			08/01/23 17:40	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			08/01/23 17:40	1
Specific Conductance (SM 2510B)	**180**		2.0	2.0	umhos/cm			08/01/23 14:03	1
Electrical Conductivity (SM 2510B)	**180**		2.0	2.0	umhos/cm			08/01/23 14:03	1
Total Dissolved Solids (TDS) (SM 2540C)	**110**		10	4.7	mg/L			07/31/23 12:34	1
Chloride (SM 4500 Cl- E)	ND		2.0	0.68	mg/L			07/31/23 13:36	1
pH adj. to 25 deg C (SM 4500 H+ B	**8.0**	**HF**	0.1	0.1	SU			07/31/23 13:49	1
Temperature (SM 4500 H+ B)	**23.1**	**HF**	1.0	1.0	Degrees C			07/31/23 13:49	1
Sulfate (SM 4500 SO4 E)	**19**		5.0	0.71	mg/L			07/31/23 13:40	1

General Chemistry

Client Sample ID: CM 3
Date Collected: 07/26/23 11:35
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	ND		0.010	0.0050	mg/L		08/09/23 16:16	08/09/23 16:29	1
Nitrate as N (SM Nitrate by calc)	**0.093**	**J**	0.10	0.044	mg/L			07/31/23 08:26	1
Total Anions (SM 1030E)	**1.3**				meq/L			08/11/23 15:16	1
Total Cations (SM 1030E)	**7.3**				meq/L			08/11/23 15:16	1
Percent Difference (SM 1030E)	**69**				%			08/11/23 15:16	1
Calcium (SM 1030E)	**0.00**				mg/L			08/11/23 15:16	1
Magnesium (SM 1030E)	**4600**				ug/L			08/11/23 15:16	1
Potassium (SM 1030E)	**450**				ug/L			08/11/23 15:16	1
Sodium (SM 1030E)	**1400**				ug/L			08/11/23 15:16	1
Aluminum (SM 1030E)	**62**				mg/L			08/11/23 15:16	1
Chloride (SM 1030E)	**0.00**				mg/L			08/11/23 15:16	1
Sulfate (SM 1030E)	**4.9**				mg/L			08/11/23 15:16	1
Carbonate Alkalinity as CaCO3 (SM 1030E)	**0.00**				mg/L			08/11/23 15:16	1
Bicarbonate Alkalinity as CaCO3 (SM 1030E)	**62**				mg/L			08/11/23 15:16	1
Alkalinity (SM 1030E)	**62**				mg/L			08/11/23 15:16	1
Nitrate Nitrite as N (SM 1030E)	**0.093**				mg/L			08/11/23 15:16	1
Anion/Cation Balance (SM 1030E)	**69**				%			08/11/23 15:16	1
Calculated TDS (SM 1030E)	**110**				mg/L			08/11/23 15:16	1
TDS Ratio (SM 1030E)	**0.60**				NONE			08/11/23 15:16	1
Total Dissolved Solids (SM 1030E)	**63**				mg/L			08/11/23 15:16	1
Iron (SM 1030E)	**9.7**				ug/L			08/11/23 15:16	1
Total Alkalinity as CaCO3 (SM 2320B)	**62**		10	3.1	mg/L			08/01/23 17:45	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**62**		10	3.1	mg/L			08/01/23 17:45	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			08/01/23 17:45	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			08/01/23 17:45	1
Specific Conductance (SM 2510B)	**130**		2.0	2.0	umhos/cm			08/01/23 14:03	1
Electrical Conductivity (SM 2510B)	**130**		2.0	2.0	umhos/cm			08/01/23 14:03	1
Total Dissolved Solids (TDS) (SM 2540C)	**63**		10	4.7	mg/L			07/31/23 12:32	1
Chloride (SM 4500 Cl- E)	ND		2.0	0.68	mg/L			07/31/23 13:37	1
pH adj. to 25 deg C (SM 4500 H+ B	**8.1**	**HF**	0.1	0.1	SU			07/31/23 13:53	1
Temperature (SM 4500 H+ B)	**23.2**	**HF**	1.0	1.0	Degrees C			07/31/23 13:53	1
Sulfate (SM 4500 SO4 E)	**4.9**	**J**	5.0	0.71	mg/L			07/31/23 13:40	1

General Chemistry - Dissolved

Client Sample ID: RM 1
Date Collected: 07/26/23 10:02
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	**0.096**	**J B**	0.10	0.044	mg/L			08/08/23 14:15	1
Nitrite as N (SM 4500 NO2 B)	ND	H H3	0.015	0.0040	mg/L			07/28/23 13:00	1

General Chemistry - Dissolved

Client Sample ID: RM 2
Date Collected: 07/26/23 10:21
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	**0.066**	**J B**	0.10	0.044	mg/L			08/08/23 14:13	1
Nitrite as N (SM 4500 NO2 B)	ND	H	0.015	0.0040	mg/L			07/28/23 13:01	1

Client Sample ID: RM 3
Date Collected: 07/26/23 10:40
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	**0.093**	**J B**	0.10	0.044	mg/L			08/08/23 14:11	1
Nitrite as N (SM 4500 NO2 B)	ND	H	0.015	0.0040	mg/L			07/28/23 13:01	1

Client Sample ID: CM 1
Date Collected: 07/26/23 10:54
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	**0.095**	**J B**	0.10	0.044	mg/L			08/08/23 14:09	1
Nitrite as N (SM 4500 NO2 B)	ND	H	0.015	0.0040	mg/L			07/28/23 13:01	1

Client Sample ID: CM 2
Date Collected: 07/26/23 11:15
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	**0.067**	**J B**	0.10	0.044	mg/L			08/08/23 13:55	1
Nitrite as N (SM 4500 NO2 B)	ND	H	0.015	0.0040	mg/L			07/28/23 13:01	1

Client Sample ID: CM 3
Date Collected: 07/26/23 11:35
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	**0.093**	**J B**	0.10	0.044	mg/L			08/08/23 13:49	1
Nitrite as N (SM 4500 NO2 B)	ND	H	0.015	0.0040	mg/L			07/28/23 13:01	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-621216/1-B
Matrix: Water
Analysis Batch: 622280

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 621993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0	0.40	ug/L		08/07/23 14:45	08/08/23 18:02	1
Arsenic	ND		5.0	0.50	ug/L		08/07/23 14:45	08/08/23 18:02	1
Barium	ND		3.0	0.38	ug/L		08/07/23 14:45	08/08/23 18:02	1
Beryllium	ND		1.0	0.30	ug/L		08/07/23 14:45	08/08/23 18:02	1
Cadmium	ND		1.0	0.19	ug/L		08/07/23 14:45	08/08/23 18:02	1
Chromium	ND		3.0	0.50	ug/L		08/07/23 14:45	08/08/23 18:02	1
Cobalt	ND		1.0	0.33	ug/L		08/07/23 14:45	08/08/23 18:02	1
Copper	ND		2.0	0.71	ug/L		08/07/23 14:45	08/08/23 18:02	1
Lead	ND		1.0	0.23	ug/L		08/07/23 14:45	08/08/23 18:02	1
Manganese	ND		3.0	0.51	ug/L		08/07/23 14:45	08/08/23 18:02	1
Nickel	ND		3.0	0.83	ug/L		08/07/23 14:45	08/08/23 18:02	1
Vanadium	ND		5.0	1.1	ug/L		08/07/23 14:45	08/08/23 18:02	1
Zinc	ND		10	2.0	ug/L		08/07/23 14:45	08/08/23 18:02	1
Aluminum	9.00	J	200	8.3	ug/L		08/07/23 14:45	08/08/23 18:02	1
Iron	13.9	J	200	8.7	ug/L		08/07/23 14:45	08/08/23 18:02	1
Calcium	ND		200	32	ug/L		08/07/23 14:45	08/08/23 18:02	1
Potassium	ND		1000	52	ug/L		08/07/23 14:45	08/08/23 18:02	1
Magnesium	6.21	J	200	4.2	ug/L		08/07/23 14:45	08/08/23 18:02	1
Sodium	ND		1000	73	ug/L		08/07/23 14:45	08/08/23 18:02	1

Lab Sample ID: LCS 280-621216/2-B
Matrix: Water
Analysis Batch: 622280

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 621993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	40.0	42.0		ug/L		105	85 - 115
Arsenic	40.0	40.0		ug/L		100	89 - 111
Barium	40.0	40.8		ug/L		102	89 - 115
Beryllium	40.0	40.8		ug/L		102	85 - 115
Cadmium	40.0	40.5		ug/L		101	89 - 111
Chromium	40.0	40.7		ug/L		102	86 - 115
Cobalt	40.0	40.0		ug/L		100	92 - 115
Copper	40.0	40.0		ug/L		100	90 - 115
Lead	40.0	40.3		ug/L		101	88 - 115
Manganese	40.0	39.8		ug/L		99	87 - 115
Nickel	40.0	39.8		ug/L		100	86 - 115
Vanadium	40.0	39.2		ug/L		98	90 - 115
Zinc	40.0	40.5		ug/L		101	88 - 115
Aluminum	800	780		ug/L		97	85 - 115
Iron	800	789		ug/L		99	85 - 115
Calcium	1000	1040		ug/L		104	85 - 115
Potassium	1000	975	J	ug/L		98	85 - 115
Magnesium	1000	986		ug/L		99	85 - 115
Sodium	1000	1020		ug/L		102	85 - 115

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 280-179640-1 MS
Matrix: Water
Analysis Batch: 622280

Client Sample ID: RM 1
Prep Type: Dissolved
Prep Batch: 621993

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		40.0	41.1		ug/L		103	85 - 115
Arsenic	ND		40.0	38.2		ug/L		95	79 - 120
Barium	12		40.0	50.8		ug/L		98	89 - 115
Beryllium	ND		40.0	39.6		ug/L		99	85 - 115
Cadmium	0.22	J	40.0	39.0		ug/L		97	89 - 111
Chromium	ND		40.0	36.9		ug/L		92	86 - 115
Cobalt	ND	F1	40.0	35.8	F1	ug/L		89	92 - 115
Copper	ND	F1	40.0	35.7	F1	ug/L		89	90 - 115
Lead	ND		40.0	39.3		ug/L		98	88 - 115
Manganese	1.4	J	40.0	37.5		ug/L		90	87 - 115
Nickel	ND		40.0	35.3		ug/L		88	86 - 115
Vanadium	ND		40.0	36.9		ug/L		92	90 - 115
Zinc	10	F1	40.0	44.8	F1	ug/L		87	88 - 115
Aluminum	11	J B	800	765		ug/L		94	85 - 115
Iron	30	J B	800	747		ug/L		90	85 - 115
Calcium	15000		1000	15700	4	ug/L		77	85 - 115
Potassium	480	J	1000	1390		ug/L		90	85 - 115
Magnesium	5000	B	1000	5960	4	ug/L		92	85 - 115
Sodium	1500	F1	1000	2250	F1	ug/L		78	85 - 115

Lab Sample ID: 280-179640-1 MSD
Matrix: Water
Analysis Batch: 622280

Client Sample ID: RM 1
Prep Type: Dissolved
Prep Batch: 621993

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		40.0	42.8		ug/L		107	85 - 115	4	20
Arsenic	ND		40.0	39.3		ug/L		98	79 - 120	3	20
Barium	12		40.0	52.4		ug/L		102	89 - 115	3	20
Beryllium	ND		40.0	39.8		ug/L		99	85 - 115	1	20
Cadmium	0.22	J	40.0	39.7		ug/L		99	89 - 111	2	20
Chromium	ND		40.0	38.1		ug/L		95	86 - 115	3	20
Cobalt	ND	F1	40.0	37.0		ug/L		92	92 - 115	3	20
Copper	ND	F1	40.0	36.2		ug/L		90	90 - 115	1	20
Lead	ND		40.0	39.8		ug/L		100	88 - 115	1	20
Manganese	1.4	J	40.0	38.1		ug/L		92	87 - 115	2	20
Nickel	ND		40.0	36.4		ug/L		91	86 - 115	3	20
Vanadium	ND		40.0	38.3		ug/L		96	90 - 115	4	20
Zinc	10	F1	40.0	46.3		ug/L		90	88 - 115	3	20
Aluminum	11	J B	800	758		ug/L		93	85 - 115	1	20
Iron	30	J B	800	761		ug/L		91	85 - 115	2	20
Calcium	15000		1000	16300	4	ug/L		141	85 - 115	4	20
Potassium	480	J	1000	1400		ug/L		92	85 - 115	1	20
Magnesium	5000	B	1000	6130	4	ug/L		110	85 - 115	3	20
Sodium	1500	F1	1000	2290	F1	ug/L		82	85 - 115	2	20

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 280-179640-6 MS
Matrix: Water
Analysis Batch: 622280

Client Sample ID: CM 3
Prep Type: Dissolved
Prep Batch: 621993

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		40.0	41.5		ug/L		104	85 - 115
Arsenic	ND		40.0	39.0		ug/L		98	79 - 120
Barium	11		40.0	51.4		ug/L		102	89 - 115
Beryllium	ND		40.0	38.5		ug/L		96	85 - 115
Cadmium	ND		40.0	39.3		ug/L		98	89 - 111
Chromium	ND		40.0	36.9		ug/L		92	86 - 115
Cobalt	ND	F1	40.0	36.2	F1	ug/L		90	92 - 115
Copper	ND	F1	40.0	35.5	F1	ug/L		89	90 - 115
Lead	ND		40.0	38.8		ug/L		97	88 - 115
Manganese	1.4	J	40.0	37.1		ug/L		89	87 - 115
Nickel	ND		40.0	35.5		ug/L		89	86 - 115
Vanadium	ND		40.0	36.9		ug/L		92	90 - 115
Zinc	8.2	J	40.0	43.4		ug/L		88	88 - 115
Aluminum	ND		800	728		ug/L		91	85 - 115
Iron	9.7	J B	800	742		ug/L		92	85 - 115
Calcium	14000		1000	16500	4	ug/L		242	85 - 115
Potassium	450	J	1000	1400		ug/L		95	85 - 115
Magnesium	4600	B	1000	6130	4	ug/L		156	85 - 115
Sodium	1400		1000	2480		ug/L		108	85 - 115

Lab Sample ID: 280-179640-6 MSD
Matrix: Water
Analysis Batch: 622280

Client Sample ID: CM 3
Prep Type: Dissolved
Prep Batch: 621993

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		40.0	42.3		ug/L		106	85 - 115	2	20
Arsenic	ND		40.0	39.2		ug/L		98	79 - 120	0	20
Barium	11		40.0	52.0		ug/L		104	89 - 115	1	20
Beryllium	ND		40.0	38.9		ug/L		97	85 - 115	1	20
Cadmium	ND		40.0	40.1		ug/L		100	89 - 111	2	20
Chromium	ND		40.0	37.0		ug/L		92	86 - 115	0	20
Cobalt	ND	F1	40.0	36.0	F1	ug/L		90	92 - 115	0	20
Copper	ND	F1	40.0	37.6		ug/L		94	90 - 115	6	20
Lead	ND		40.0	39.3		ug/L		98	88 - 115	1	20
Manganese	1.4	J	40.0	37.4		ug/L		90	87 - 115	1	20
Nickel	ND		40.0	36.2		ug/L		90	86 - 115	2	20
Vanadium	ND		40.0	37.0		ug/L		92	90 - 115	0	20
Zinc	8.2	J	40.0	45.9		ug/L		94	88 - 115	6	20
Aluminum	ND		800	733		ug/L		92	85 - 115	1	20
Iron	9.7	J B	800	778		ug/L		96	85 - 115	5	20
Calcium	14000		1000	16600	4	ug/L		248	85 - 115	0	20
Potassium	450	J	1000	1420		ug/L		98	85 - 115	2	20
Magnesium	4600	B	1000	6180	4	ug/L		161	85 - 115	1	20
Sodium	1400		1000	2500		ug/L		109	85 - 115	1	20

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 280-622320/1-A
Matrix: Water
Analysis Batch: 622578

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 622320

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.061	ug/L		08/09/23 20:35	08/10/23 15:35	1

Lab Sample ID: LCS 280-622320/2-A
Matrix: Water
Analysis Batch: 622578

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 622320

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.16		ug/L		103	90 - 110

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 280-622399/4-A
Matrix: Water
Analysis Batch: 622567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 622399

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		08/09/23 16:16	08/09/23 16:09	1

Lab Sample ID: HLCS 280-622399/1-A
Matrix: Water
Analysis Batch: 622567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 622399

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.350	0.354		mg/L		101	90 - 110

Lab Sample ID: LCS 280-622399/3-A
Matrix: Water
Analysis Batch: 622567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 622399

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.101		mg/L		101	90 - 110

Lab Sample ID: LLCS 280-622399/2-A
Matrix: Water
Analysis Batch: 622567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 622399

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0966		mg/L		97	90 - 110

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-622171/2-A
Matrix: Water
Analysis Batch: 622237

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.0793	J	0.10	0.044	mg/L			08/08/23 13:47	1

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: LCS 280-622171/1-A
Matrix: Water
Analysis Batch: 622237

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate Nitrite as N			5.00	5.00		mg/L		100	90 - 110		

Lab Sample ID: 280-179640-6 MS
Matrix: Water
Analysis Batch: 622237

Client Sample ID: CM 3
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate Nitrite as N	0.093	J B	4.00	4.47		mg/L		109	90 - 110		

Lab Sample ID: 280-179640-6 MSD
Matrix: Water
Analysis Batch: 622237

Client Sample ID: CM 3
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.093	J B	4.00	4.46		mg/L		109	90 - 110	0	10

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 280-621533/31
Matrix: Water
Analysis Batch: 621533

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		10	3.1	mg/L			08/01/23 16:20	1
Bicarbonate Alkalinity as CaCO3	ND		10	3.1	mg/L			08/01/23 16:20	1
Carbonate Alkalinity as CaCO3	ND		10	3.1	mg/L			08/01/23 16:20	1
Hydroxide Alkalinity as CaCO3	ND		10	3.1	mg/L			08/01/23 16:20	1

Lab Sample ID: MB 280-621533/5
Matrix: Water
Analysis Batch: 621533

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		10	3.1	mg/L			08/01/23 13:46	1
Bicarbonate Alkalinity as CaCO3	ND		10	3.1	mg/L			08/01/23 13:46	1
Carbonate Alkalinity as CaCO3	ND		10	3.1	mg/L			08/01/23 13:46	1
Hydroxide Alkalinity as CaCO3	ND		10	3.1	mg/L			08/01/23 13:46	1

Lab Sample ID: LCS 280-621533/30
Matrix: Water
Analysis Batch: 621533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3			200	194		mg/L		97	89 - 110		

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 280-621478/31
Matrix: Water
Analysis Batch: 621478

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	ND		2.0	2.0	umhos/cm			08/01/23 14:03	1
Electrical Conductivity	ND		2.0	2.0	umhos/cm			08/01/23 14:03	1

Lab Sample ID: LCS 280-621478/30
Matrix: Water
Analysis Batch: 621478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	1410	1420		umhos/cm		101	90 - 110

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 280-621299/1
Matrix: Water
Analysis Batch: 621299

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (TDS)	ND		10	4.7	mg/L			07/31/23 12:31	1

Lab Sample ID: LCS 280-621299/2
Matrix: Water
Analysis Batch: 621299

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids (TDS)	509	510		mg/L		100	88 - 114

Lab Sample ID: LCSD 280-621299/3
Matrix: Water
Analysis Batch: 621299

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids (TDS)	509	510		mg/L		100	88 - 114	0	20

Lab Sample ID: MB 280-621300/1
Matrix: Water
Analysis Batch: 621300

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (TDS)	ND		10	4.7	mg/L			07/31/23 12:34	1

Lab Sample ID: LCS 280-621300/2
Matrix: Water
Analysis Batch: 621300

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids (TDS)	509	508		mg/L		100	88 - 114

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCSD 280-621300/3
Matrix: Water
Analysis Batch: 621300

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids (TDS)			509	507		mg/L		100	88 - 114	0	20

Lab Sample ID: 280-179640-5 DU
Matrix: Water
Analysis Batch: 621300

Client Sample ID: CM 2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids (TDS)	110			114		mg/L				6	10

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 280-621308/15
Matrix: Water
Analysis Batch: 621308

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		2.0	0.68	mg/L			07/31/23 13:35	1

Lab Sample ID: LCS 280-621308/13
Matrix: Water
Analysis Batch: 621308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			20.0	20.4		mg/L		102	90 - 110		

Lab Sample ID: LCSD 280-621308/14
Matrix: Water
Analysis Batch: 621308

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			20.0	20.3		mg/L		102	90 - 110	0	10

Lab Sample ID: 280-179640-1 MS
Matrix: Water
Analysis Batch: 621308

Client Sample ID: RM 1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	ND		20.0	21.6		mg/L		108	90 - 110		

Lab Sample ID: 280-179640-1 MSD
Matrix: Water
Analysis Batch: 621308

Client Sample ID: RM 1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		20.0	21.3		mg/L		107	90 - 110	1	10

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 280-621317/31
Matrix: Water
Analysis Batch: 621317

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH adj. to 25 deg C	7.00	7.1		SU		101	99 - 101

Lab Sample ID: LCS 280-621611/2
Matrix: Water
Analysis Batch: 621611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH adj. to 25 deg C	7.00	7.0		SU		100	99 - 101

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 280-621141/3-A
Matrix: Water
Analysis Batch: 621156

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.015	0.0040	mg/L			07/28/23 13:00	1

Lab Sample ID: LCS 280-621141/1-A
Matrix: Water
Analysis Batch: 621156

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.0500	0.0527		mg/L		105	84 - 113

Lab Sample ID: LCSD 280-621141/2-A
Matrix: Water
Analysis Batch: 621156

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	0.0500	0.0519		mg/L		104	84 - 113	2	10

Lab Sample ID: 280-179640-1 MS
Matrix: Water
Analysis Batch: 621156

Client Sample ID: RM 1
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	ND	H H3	0.0500	0.0521		mg/L		104	57 - 115

Lab Sample ID: 280-179640-1 MSD
Matrix: Water
Analysis Batch: 621156

Client Sample ID: RM 1
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	ND	H H3	0.0500	0.0522		mg/L		104	57 - 115	0	13

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 280-621309/14
Matrix: Water
Analysis Batch: 621309

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0	0.71	mg/L			07/31/23 13:39	1

Lab Sample ID: LCS 280-621309/12
Matrix: Water
Analysis Batch: 621309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			25.0	25.9		mg/L		104	90 - 110		

Lab Sample ID: LCSD 280-621309/13
Matrix: Water
Analysis Batch: 621309

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate			25.0	26.1		mg/L		104	90 - 110	1	10

Lab Sample ID: 280-179640-1 MS
Matrix: Water
Analysis Batch: 621309

Client Sample ID: RM 1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	3.9	J	25.0	29.3		mg/L		102	90 - 110		

Lab Sample ID: 280-179640-1 MSD
Matrix: Water
Analysis Batch: 621309

Client Sample ID: RM 1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	3.9	J	25.0	30.5		mg/L		106	90 - 110	4	10

Metals

Filtration Batch: 621216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-621216/1-B	Method Blank	Dissolved	Water	Poten_Diss_Met	
LCS 280-621216/2-B	Lab Control Sample	Dissolved	Water	Poten_Diss_Met	

Filtration Batch: 621790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Dissolved	Water	Filtration	
280-179640-1	RM 1	Dissolved	Water	FILTRATION	
280-179640-2	RM 2	Dissolved	Water	Filtration	
280-179640-2	RM 2	Dissolved	Water	FILTRATION	
280-179640-3	RM 3	Dissolved	Water	Filtration	
280-179640-3	RM 3	Dissolved	Water	FILTRATION	
280-179640-4	CM 1	Dissolved	Water	Filtration	
280-179640-4	CM 1	Dissolved	Water	FILTRATION	
280-179640-5	CM 2	Dissolved	Water	Filtration	
280-179640-5	CM 2	Dissolved	Water	FILTRATION	
280-179640-6	CM 3	Dissolved	Water	Filtration	
280-179640-6	CM 3	Dissolved	Water	FILTRATION	
280-179640-1 MS	RM 1	Dissolved	Water	Filtration	
280-179640-1 MSD	RM 1	Dissolved	Water	Filtration	
280-179640-6 MS	CM 3	Dissolved	Water	Filtration	
280-179640-6 MSD	CM 3	Dissolved	Water	Filtration	

Prep Batch: 621993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Dissolved	Water	200.8	621790
280-179640-2	RM 2	Dissolved	Water	200.8	621790
280-179640-3	RM 3	Dissolved	Water	200.8	621790
280-179640-4	CM 1	Dissolved	Water	200.8	621790
280-179640-5	CM 2	Dissolved	Water	200.8	621790
280-179640-6	CM 3	Dissolved	Water	200.8	621790
MB 280-621216/1-B	Method Blank	Dissolved	Water	200.8	621216
LCS 280-621216/2-B	Lab Control Sample	Dissolved	Water	200.8	621216
280-179640-1 MS	RM 1	Dissolved	Water	200.8	621790
280-179640-1 MSD	RM 1	Dissolved	Water	200.8	621790
280-179640-6 MS	CM 3	Dissolved	Water	200.8	621790
280-179640-6 MSD	CM 3	Dissolved	Water	200.8	621790

Analysis Batch: 622280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Dissolved	Water	200.8	621993
280-179640-2	RM 2	Dissolved	Water	200.8	621993
280-179640-3	RM 3	Dissolved	Water	200.8	621993
280-179640-4	CM 1	Dissolved	Water	200.8	621993
280-179640-5	CM 2	Dissolved	Water	200.8	621993
280-179640-6	CM 3	Dissolved	Water	200.8	621993
MB 280-621216/1-B	Method Blank	Dissolved	Water	200.8	621993
LCS 280-621216/2-B	Lab Control Sample	Dissolved	Water	200.8	621993
280-179640-1 MS	RM 1	Dissolved	Water	200.8	621993
280-179640-1 MSD	RM 1	Dissolved	Water	200.8	621993
280-179640-6 MS	CM 3	Dissolved	Water	200.8	621993
280-179640-6 MSD	CM 3	Dissolved	Water	200.8	621993

Metals

Prep Batch: 622320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Total/NA	Water	245.1	
280-179640-2	RM 2	Total/NA	Water	245.1	
280-179640-3	RM 3	Total/NA	Water	245.1	
280-179640-4	CM 1	Total/NA	Water	245.1	
280-179640-5	CM 2	Total/NA	Water	245.1	
280-179640-6	CM 3	Total/NA	Water	245.1	
MB 280-622320/1-A	Method Blank	Total/NA	Water	245.1	
LCS 280-622320/2-A	Lab Control Sample	Total/NA	Water	245.1	

Analysis Batch: 622490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Dissolved	Water	SM 2340B	621790
280-179640-2	RM 2	Dissolved	Water	SM 2340B	621790
280-179640-3	RM 3	Dissolved	Water	SM 2340B	621790
280-179640-4	CM 1	Dissolved	Water	SM 2340B	621790
280-179640-5	CM 2	Dissolved	Water	SM 2340B	621790
280-179640-6	CM 3	Dissolved	Water	SM 2340B	621790

Analysis Batch: 622578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Total/NA	Water	245.1	622320
280-179640-2	RM 2	Total/NA	Water	245.1	622320
280-179640-3	RM 3	Total/NA	Water	245.1	622320
280-179640-4	CM 1	Total/NA	Water	245.1	622320
280-179640-5	CM 2	Total/NA	Water	245.1	622320
280-179640-6	CM 3	Total/NA	Water	245.1	622320
MB 280-622320/1-A	Method Blank	Total/NA	Water	245.1	622320
LCS 280-622320/2-A	Lab Control Sample	Total/NA	Water	245.1	622320

General Chemistry

Filtration Batch: 621141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Dissolved	Water	FILTRATION	
280-179640-2	RM 2	Dissolved	Water	FILTRATION	
280-179640-3	RM 3	Dissolved	Water	FILTRATION	
280-179640-4	CM 1	Dissolved	Water	FILTRATION	
280-179640-5	CM 2	Dissolved	Water	FILTRATION	
280-179640-6	CM 3	Dissolved	Water	FILTRATION	
MB 280-621141/3-A	Method Blank	Dissolved	Water	FILTRATION	
LCS 280-621141/1-A	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 280-621141/2-A	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
280-179640-1 MS	RM 1	Dissolved	Water	FILTRATION	
280-179640-1 MSD	RM 1	Dissolved	Water	FILTRATION	

Analysis Batch: 621156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Dissolved	Water	SM 4500 NO2 B	621141
280-179640-2	RM 2	Dissolved	Water	SM 4500 NO2 B	621141
280-179640-3	RM 3	Dissolved	Water	SM 4500 NO2 B	621141
280-179640-4	CM 1	Dissolved	Water	SM 4500 NO2 B	621141

General Chemistry (Continued)

Analysis Batch: 621156 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-5	CM 2	Dissolved	Water	SM 4500 NO2 B	621141
280-179640-6	CM 3	Dissolved	Water	SM 4500 NO2 B	621141
MB 280-621141/3-A	Method Blank	Dissolved	Water	SM 4500 NO2 B	621141
LCS 280-621141/1-A	Lab Control Sample	Dissolved	Water	SM 4500 NO2 B	621141
LCSD 280-621141/2-A	Lab Control Sample Dup	Dissolved	Water	SM 4500 NO2 B	621141
280-179640-1 MS	RM 1	Dissolved	Water	SM 4500 NO2 B	621141
280-179640-1 MSD	RM 1	Dissolved	Water	SM 4500 NO2 B	621141

Analysis Batch: 621222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Total/NA	Water	Nitrate by calc	
280-179640-2	RM 2	Total/NA	Water	Nitrate by calc	
280-179640-3	RM 3	Total/NA	Water	Nitrate by calc	
280-179640-4	CM 1	Total/NA	Water	Nitrate by calc	
280-179640-5	CM 2	Total/NA	Water	Nitrate by calc	
280-179640-6	CM 3	Total/NA	Water	Nitrate by calc	

Analysis Batch: 621299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-6	CM 3	Total/NA	Water	SM 2540C	
MB 280-621299/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-621299/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 280-621299/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 621300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Total/NA	Water	SM 2540C	
280-179640-2	RM 2	Total/NA	Water	SM 2540C	
280-179640-3	RM 3	Total/NA	Water	SM 2540C	
280-179640-4	CM 1	Total/NA	Water	SM 2540C	
280-179640-5	CM 2	Total/NA	Water	SM 2540C	
MB 280-621300/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-621300/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 280-621300/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
280-179640-5 DU	CM 2	Total/NA	Water	SM 2540C	

Analysis Batch: 621308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Total/NA	Water	SM 4500 Cl- E	
280-179640-2	RM 2	Total/NA	Water	SM 4500 Cl- E	
280-179640-3	RM 3	Total/NA	Water	SM 4500 Cl- E	
280-179640-4	CM 1	Total/NA	Water	SM 4500 Cl- E	
280-179640-5	CM 2	Total/NA	Water	SM 4500 Cl- E	
280-179640-6	CM 3	Total/NA	Water	SM 4500 Cl- E	
MB 280-621308/15	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 280-621308/13	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCSD 280-621308/14	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- E	
280-179640-1 MS	RM 1	Total/NA	Water	SM 4500 Cl- E	
280-179640-1 MSD	RM 1	Total/NA	Water	SM 4500 Cl- E	

General Chemistry

Analysis Batch: 621309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Total/NA	Water	SM 4500 SO4 E	
280-179640-2	RM 2	Total/NA	Water	SM 4500 SO4 E	
280-179640-3	RM 3	Total/NA	Water	SM 4500 SO4 E	
280-179640-4	CM 1	Total/NA	Water	SM 4500 SO4 E	
280-179640-5	CM 2	Total/NA	Water	SM 4500 SO4 E	
280-179640-6	CM 3	Total/NA	Water	SM 4500 SO4 E	
MB 280-621309/14	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 280-621309/12	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCSD 280-621309/13	Lab Control Sample Dup	Total/NA	Water	SM 4500 SO4 E	
280-179640-1 MS	RM 1	Total/NA	Water	SM 4500 SO4 E	
280-179640-1 MSD	RM 1	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 621317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-2	RM 2	Total/NA	Water	SM 4500 H+ B	
280-179640-3	RM 3	Total/NA	Water	SM 4500 H+ B	
280-179640-4	CM 1	Total/NA	Water	SM 4500 H+ B	
280-179640-5	CM 2	Total/NA	Water	SM 4500 H+ B	
280-179640-6	CM 3	Total/NA	Water	SM 4500 H+ B	
LCS 280-621317/31	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 621478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Total/NA	Water	SM 2510B	
280-179640-2	RM 2	Total/NA	Water	SM 2510B	
280-179640-3	RM 3	Total/NA	Water	SM 2510B	
280-179640-4	CM 1	Total/NA	Water	SM 2510B	
280-179640-5	CM 2	Total/NA	Water	SM 2510B	
280-179640-6	CM 3	Total/NA	Water	SM 2510B	
MB 280-621478/31	Method Blank	Total/NA	Water	SM 2510B	
LCS 280-621478/30	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 621533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Total/NA	Water	SM 2320B	
280-179640-2	RM 2	Total/NA	Water	SM 2320B	
280-179640-3	RM 3	Total/NA	Water	SM 2320B	
280-179640-4	CM 1	Total/NA	Water	SM 2320B	
280-179640-5	CM 2	Total/NA	Water	SM 2320B	
280-179640-6	CM 3	Total/NA	Water	SM 2320B	
MB 280-621533/31	Method Blank	Total/NA	Water	SM 2320B	
MB 280-621533/5	Method Blank	Total/NA	Water	SM 2320B	
LCS 280-621533/30	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 621611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Total/NA	Water	SM 4500 H+ B	
LCS 280-621611/2	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

QC Association Summary

Client: MineWater LLC
Project/Site: Raymond Carter Water

Job ID: 280-179640-1

General Chemistry

Filtration Batch: 622171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Dissolved	Water	FILTRATION	
280-179640-2	RM 2	Dissolved	Water	FILTRATION	
280-179640-3	RM 3	Dissolved	Water	FILTRATION	
280-179640-4	CM 1	Dissolved	Water	FILTRATION	
280-179640-5	CM 2	Dissolved	Water	FILTRATION	
280-179640-6	CM 3	Dissolved	Water	FILTRATION	
MB 280-622171/2-A	Method Blank	Dissolved	Water	FILTRATION	
LCS 280-622171/1-A	Lab Control Sample	Dissolved	Water	FILTRATION	
280-179640-6 MS	CM 3	Dissolved	Water	FILTRATION	
280-179640-6 MSD	CM 3	Dissolved	Water	FILTRATION	

Analysis Batch: 622237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Dissolved	Water	353.2	622171
280-179640-2	RM 2	Dissolved	Water	353.2	622171
280-179640-3	RM 3	Dissolved	Water	353.2	622171
280-179640-4	CM 1	Dissolved	Water	353.2	622171
280-179640-5	CM 2	Dissolved	Water	353.2	622171
280-179640-6	CM 3	Dissolved	Water	353.2	622171
MB 280-622171/2-A	Method Blank	Dissolved	Water	353.2	622171
LCS 280-622171/1-A	Lab Control Sample	Dissolved	Water	353.2	622171
280-179640-6 MS	CM 3	Dissolved	Water	353.2	622171
280-179640-6 MSD	CM 3	Dissolved	Water	353.2	622171

Prep Batch: 622399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Total/NA	Water	Distill/CN	
280-179640-2	RM 2	Total/NA	Water	Distill/CN	
280-179640-3	RM 3	Total/NA	Water	Distill/CN	
280-179640-4	CM 1	Total/NA	Water	Distill/CN	
280-179640-5	CM 2	Total/NA	Water	Distill/CN	
280-179640-6	CM 3	Total/NA	Water	Distill/CN	
MB 280-622399/4-A	Method Blank	Total/NA	Water	Distill/CN	
HLCS 280-622399/1-A	Lab Control Sample	Total/NA	Water	Distill/CN	
LCS 280-622399/3-A	Lab Control Sample	Total/NA	Water	Distill/CN	
LLCS 280-622399/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Analysis Batch: 622567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Total/NA	Water	335.4	622399
280-179640-2	RM 2	Total/NA	Water	335.4	622399
280-179640-3	RM 3	Total/NA	Water	335.4	622399
280-179640-4	CM 1	Total/NA	Water	335.4	622399
280-179640-5	CM 2	Total/NA	Water	335.4	622399
280-179640-6	CM 3	Total/NA	Water	335.4	622399
MB 280-622399/4-A	Method Blank	Total/NA	Water	335.4	622399
HLCS 280-622399/1-A	Lab Control Sample	Total/NA	Water	335.4	622399
LCS 280-622399/3-A	Lab Control Sample	Total/NA	Water	335.4	622399
LLCS 280-622399/2-A	Lab Control Sample	Total/NA	Water	335.4	622399

General Chemistry

Analysis Batch: 622712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-179640-1	RM 1	Total/NA	Water	SM 1030E	
280-179640-2	RM 2	Total/NA	Water	SM 1030E	
280-179640-3	RM 3	Total/NA	Water	SM 1030E	
280-179640-4	CM 1	Total/NA	Water	SM 1030E	
280-179640-5	CM 2	Total/NA	Water	SM 1030E	
280-179640-6	CM 3	Total/NA	Water	SM 1030E	

Lab Chronicle

Client: MineWater LLC
Project/Site: Raymond Carter Water

Job ID: 280-179640-1

Client Sample ID: RM 1

Date Collected: 07/26/23 10:02
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	Filtration			200 mL	200 mL	621790	08/03/23 18:12	MSM	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	621993	08/07/23 14:45	MSM	EET DEN
Dissolved	Analysis	200.8		1			622280	08/08/23 18:55	LMT	EET DEN
Total/NA	Prep	245.1			30 mL	50 mL	622320	08/09/23 20:35	PFM	EET DEN
Total/NA	Analysis	245.1		1			622578	08/10/23 15:51	PFM	EET DEN
Dissolved	Filtration	FILTRATION			200 mL	200 mL	621790	08/04/23 18:14	MSM	EET DEN
Dissolved	Analysis	SM 2340B		1			622490	08/10/23 10:26	RMS	EET DEN
Total/NA	Prep	Distill/CN			50 mL	50 mL	622399	08/09/23 16:16	MMP	EET DEN
Total/NA	Analysis	335.4		1	50 mL	50 mL	622567	08/09/23 16:19	MMP	EET DEN
Dissolved	Filtration	FILTRATION			5 mL	5 mL	622171	08/08/23 11:00	LRB	EET DEN
Dissolved	Analysis	353.2		1	100 mL	100 mL	622237	08/08/23 14:15	LRB	EET DEN
Total/NA	Analysis	Nitrate by calc		1			621222	07/31/23 08:26	PS1	EET DEN
Total/NA	Analysis	SM 1030E		1			622712	08/11/23 15:16	SAH	EET DEN
Total/NA	Analysis	SM 2320B		1			621533	08/01/23 17:09	KEG	EET DEN
Total/NA	Analysis	SM 2510B		1			621478	08/01/23 14:03	KEG	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	621300	07/31/23 12:34	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	621308	07/31/23 13:35	SL	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			621611	08/02/23 14:44	KEG	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	621141	07/28/23 12:25	LBR	EET DEN
Dissolved	Analysis	SM 4500 NO2 B		1	2 mL	2 mL	621156	07/28/23 13:00	LBR	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	621309	07/31/23 13:39	SL	EET DEN

Client Sample ID: RM 2

Date Collected: 07/26/23 10:21
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	Filtration			200 mL	200 mL	621790	08/03/23 18:12	MSM	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	621993	08/07/23 14:45	MSM	EET DEN
Dissolved	Analysis	200.8		1			622280	08/08/23 19:13	LMT	EET DEN
Total/NA	Prep	245.1			30 mL	50 mL	622320	08/09/23 20:35	PFM	EET DEN
Total/NA	Analysis	245.1		1			622578	08/10/23 15:53	PFM	EET DEN
Dissolved	Filtration	FILTRATION			200 mL	200 mL	621790	08/04/23 18:14	MSM	EET DEN
Dissolved	Analysis	SM 2340B		1			622490	08/10/23 10:26	RMS	EET DEN
Total/NA	Prep	Distill/CN			50 mL	50 mL	622399	08/09/23 16:16	MMP	EET DEN
Total/NA	Analysis	335.4		1	50 mL	50 mL	622567	08/09/23 16:21	MMP	EET DEN
Dissolved	Filtration	FILTRATION			5 mL	5 mL	622171	08/08/23 11:00	LRB	EET DEN
Dissolved	Analysis	353.2		1	100 mL	100 mL	622237	08/08/23 14:13	LRB	EET DEN
Total/NA	Analysis	Nitrate by calc		1			621222	07/31/23 08:26	PS1	EET DEN
Total/NA	Analysis	SM 1030E		1			622712	08/11/23 15:16	SAH	EET DEN
Total/NA	Analysis	SM 2320B		1			621533	08/01/23 17:14	KEG	EET DEN
Total/NA	Analysis	SM 2510B		1			621478	08/01/23 14:03	KEG	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	621300	07/31/23 12:34	SK	EET DEN

Client Sample ID: RM 2

Lab Sample ID: 280-179640-2

Date Collected: 07/26/23 10:21

Matrix: Water

Date Received: 07/28/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	621308	07/31/23 13:36	SL	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			621317	07/31/23 13:35	KEG	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	621141	07/28/23 12:25	LBR	EET DEN
Dissolved	Analysis	SM 4500 NO2 B		1	2 mL	2 mL	621156	07/28/23 13:01	LBR	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	621309	07/31/23 13:39	SL	EET DEN

Client Sample ID: RM 3

Lab Sample ID: 280-179640-3

Date Collected: 07/26/23 10:40

Matrix: Water

Date Received: 07/28/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	Filtration			200 mL	200 mL	621790	08/03/23 18:12	MSM	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	621993	08/07/23 14:45	MSM	EET DEN
Dissolved	Analysis	200.8		1			622280	08/08/23 19:17	LMT	EET DEN
Total/NA	Prep	245.1			30 mL	50 mL	622320	08/09/23 20:35	PFM	EET DEN
Total/NA	Analysis	245.1		1			622578	08/10/23 16:37	PFM	EET DEN
Dissolved	Filtration	FILTRATION			200 mL	200 mL	621790	08/04/23 18:14	MSM	EET DEN
Dissolved	Analysis	SM 2340B		1			622490	08/10/23 10:26	RMS	EET DEN
Total/NA	Prep	Distill/CN			50 mL	50 mL	622399	08/09/23 16:16	MMP	EET DEN
Total/NA	Analysis	335.4		1	50 mL	50 mL	622567	08/09/23 16:23	MMP	EET DEN
Dissolved	Filtration	FILTRATION			5 mL	5 mL	622171	08/08/23 11:00	LRB	EET DEN
Dissolved	Analysis	353.2		1	100 mL	100 mL	622237	08/08/23 14:11	LRB	EET DEN
Total/NA	Analysis	Nitrate by calc		1			621222	07/31/23 08:26	PS1	EET DEN
Total/NA	Analysis	SM 1030E		1			622712	08/11/23 15:16	SAH	EET DEN
Total/NA	Analysis	SM 2320B		1			621533	08/01/23 17:30	KEG	EET DEN
Total/NA	Analysis	SM 2510B		1			621478	08/01/23 14:03	KEG	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	621300	07/31/23 12:34	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	621308	07/31/23 13:36	SL	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			621317	07/31/23 13:39	KEG	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	621141	07/28/23 12:25	LBR	EET DEN
Dissolved	Analysis	SM 4500 NO2 B		1	2 mL	2 mL	621156	07/28/23 13:01	LBR	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	621309	07/31/23 13:40	SL	EET DEN

Client Sample ID: CM 1

Lab Sample ID: 280-179640-4

Date Collected: 07/26/23 10:54

Matrix: Water

Date Received: 07/28/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	Filtration			200 mL	200 mL	621790	08/03/23 18:12	MSM	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	621993	08/07/23 14:45	MSM	EET DEN
Dissolved	Analysis	200.8		1			622280	08/08/23 19:20	LMT	EET DEN
Total/NA	Prep	245.1			30 mL	50 mL	622320	08/09/23 20:35	PFM	EET DEN
Total/NA	Analysis	245.1		1			622578	08/10/23 16:39	PFM	EET DEN

Lab Chronicle

Client: MineWater LLC
Project/Site: Raymond Carter Water

Job ID: 280-179640-1

Client Sample ID: CM 1

Lab Sample ID: 280-179640-4

Date Collected: 07/26/23 10:54
Date Received: 07/28/23 10:09

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			200 mL	200 mL	621790	08/04/23 18:14	MSM	EET DEN
Dissolved	Analysis	SM 2340B		1			622490	08/10/23 10:26	RMS	EET DEN
Total/NA	Prep	Distill/CN			50 mL	50 mL	622399	08/09/23 16:16	MMP	EET DEN
Total/NA	Analysis	335.4		1	50 mL	50 mL	622567	08/09/23 16:25	MMP	EET DEN
Dissolved	Filtration	FILTRATION			5 mL	5 mL	622171	08/08/23 11:00	LRB	EET DEN
Dissolved	Analysis	353.2		1	100 mL	100 mL	622237	08/08/23 14:09	LRB	EET DEN
Total/NA	Analysis	Nitrate by calc		1			621222	07/31/23 08:26	PS1	EET DEN
Total/NA	Analysis	SM 1030E		1			622712	08/11/23 15:16	SAH	EET DEN
Total/NA	Analysis	SM 2320B		1			621533	08/01/23 17:35	KEG	EET DEN
Total/NA	Analysis	SM 2510B		1			621478	08/01/23 14:03	KEG	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	621300	07/31/23 12:34	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	621308	07/31/23 13:36	SL	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			621317	07/31/23 13:44	KEG	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	621141	07/28/23 12:25	LBR	EET DEN
Dissolved	Analysis	SM 4500 NO2 B		1	2 mL	2 mL	621156	07/28/23 13:01	LBR	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	621309	07/31/23 13:40	SL	EET DEN

Client Sample ID: CM 2

Lab Sample ID: 280-179640-5

Date Collected: 07/26/23 11:15
Date Received: 07/28/23 10:09

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	Filtration			200 mL	200 mL	621790	08/03/23 18:12	MSM	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	621993	08/07/23 14:45	MSM	EET DEN
Dissolved	Analysis	200.8		1			622280	08/08/23 19:24	LMT	EET DEN
Total/NA	Prep	245.1			30 mL	50 mL	622320	08/09/23 20:35	PFM	EET DEN
Total/NA	Analysis	245.1		1			622578	08/10/23 16:42	PFM	EET DEN
Dissolved	Filtration	FILTRATION			200 mL	200 mL	621790	08/04/23 18:14	MSM	EET DEN
Dissolved	Analysis	SM 2340B		1			622490	08/10/23 10:26	RMS	EET DEN
Total/NA	Prep	Distill/CN			50 mL	50 mL	622399	08/09/23 16:16	MMP	EET DEN
Total/NA	Analysis	335.4		1	50 mL	50 mL	622567	08/09/23 16:27	MMP	EET DEN
Dissolved	Filtration	FILTRATION			5 mL	5 mL	622171	08/08/23 11:00	LRB	EET DEN
Dissolved	Analysis	353.2		1	100 mL	100 mL	622237	08/08/23 13:55	LRB	EET DEN
Total/NA	Analysis	Nitrate by calc		1			621222	07/31/23 08:26	PS1	EET DEN
Total/NA	Analysis	SM 1030E		1			622712	08/11/23 15:16	SAH	EET DEN
Total/NA	Analysis	SM 2320B		1			621533	08/01/23 17:40	KEG	EET DEN
Total/NA	Analysis	SM 2510B		1			621478	08/01/23 14:03	KEG	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	621300	07/31/23 12:34	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	621308	07/31/23 13:36	SL	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			621317	07/31/23 13:49	KEG	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	621141	07/28/23 12:25	LBR	EET DEN
Dissolved	Analysis	SM 4500 NO2 B		1	2 mL	2 mL	621156	07/28/23 13:01	LBR	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	621309	07/31/23 13:40	SL	EET DEN

Lab Chronicle

Client: MineWater LLC
Project/Site: Raymond Carter Water

Job ID: 280-179640-1

Client Sample ID: CM 3

Date Collected: 07/26/23 11:35
Date Received: 07/28/23 10:09

Lab Sample ID: 280-179640-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	Filtration			200 mL	200 mL	621790	08/03/23 18:12	MSM	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	621993	08/07/23 14:45	MSM	EET DEN
Dissolved	Analysis	200.8		1			622280	08/08/23 19:27	LMT	EET DEN
Total/NA	Prep	245.1			30 mL	50 mL	622320	08/09/23 20:35	PFM	EET DEN
Total/NA	Analysis	245.1		1			622578	08/10/23 16:44	PFM	EET DEN
Dissolved	Filtration	FILTRATION			200 mL	200 mL	621790	08/04/23 18:14	MSM	EET DEN
Dissolved	Analysis	SM 2340B		1			622490	08/10/23 10:26	RMS	EET DEN
Total/NA	Prep	Distill/CN			50 mL	50 mL	622399	08/09/23 16:16	MMP	EET DEN
Total/NA	Analysis	335.4		1	50 mL	50 mL	622567	08/09/23 16:29	MMP	EET DEN
Dissolved	Filtration	FILTRATION			5 mL	5 mL	622171	08/08/23 11:00	LRB	EET DEN
Dissolved	Analysis	353.2		1	100 mL	100 mL	622237	08/08/23 13:49	LRB	EET DEN
Total/NA	Analysis	Nitrate by calc		1			621222	07/31/23 08:26	PS1	EET DEN
Total/NA	Analysis	SM 1030E		1			622712	08/11/23 15:16	SAH	EET DEN
Total/NA	Analysis	SM 2320B		1			621533	08/01/23 17:45	KEG	EET DEN
Total/NA	Analysis	SM 2510B		1			621478	08/01/23 14:03	KEG	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	621299	07/31/23 12:32	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	621308	07/31/23 13:37	SL	EET DEN
Total/NA	Analysis	SM 4500 H+ B		1			621317	07/31/23 13:53	KEG	EET DEN
Dissolved	Filtration	FILTRATION			2 mL	2 mL	621141	07/28/23 12:25	LBR	EET DEN
Dissolved	Analysis	SM 4500 NO2 B		1	2 mL	2 mL	621156	07/28/23 13:01	LBR	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	621309	07/31/23 13:40	SL	EET DEN

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: MineWater LLC
Job ID: 280-179640-1
Project/Site: Raymond Carter Water

Laboratory: Eurofins Denver

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4025-019	01-08-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
200.8	200.8	Water	Aluminum
SM 1030E		Water	Alkalinity
SM 1030E		Water	Aluminum
SM 1030E		Water	Anion/Cation Balance
SM 1030E		Water	Bicarbonate Alkalinity as CaCO3
SM 1030E		Water	Calcium
SM 1030E		Water	Calculated TDS
SM 1030E		Water	Carbonate Alkalinity as CaCO3
SM 1030E		Water	Chloride
SM 1030E		Water	Iron
SM 1030E		Water	Magnesium
SM 1030E		Water	Nitrate Nitrite as N
SM 1030E		Water	Percent Difference
SM 1030E		Water	Potassium
SM 1030E		Water	Sodium
SM 1030E		Water	Sulfate
SM 1030E		Water	TDS Ratio
SM 1030E		Water	Total Anions
SM 1030E		Water	Total Cations
SM 1030E		Water	Total Dissolved Solids
SM 2340B		Water	Calcium hardness as calcium carbonate
SM 2340B		Water	Magnesium hardness as calcium carbonate
SM 4500 H+ B		Water	Temperature

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone: 303-736-0100 Fax: 303-431-7171

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jake Wilkinson	Lab PM: Ryan, Nicole C	Carrier Tracking No(s):	COC No: 280-131152-36327.1
Client Contact: Jake Wilkinson	Phone: 720 417-3311	E-Mail: Nicole.Ryan@ET.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: MineWater LLC	PWSID:			Job #:

Address: 10924 Leroy Drive	Due Date Requested:
City: Englewood	TAT Requested (days):
State, Zip: CO, 80155	Compliance Project: ☒ Yes ☐ No
Phone:	PO #: Purchase Order Requested
Email: jwilkinson@crgmining.com	WO #:
Project Name: Raymond Carter Water	Project #: 28025034
Site: Raymond Carter Mines	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	335.4_NP - Local Method	200.8, HARD	2320B, 2510B, Nitrate_Calc, SM4500_H+	2540C_Calcd, SM4500_Cl_E, SM4500_NO2_B, SM4500_SO4_E	245.1 - Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:				B	N	N	N	D		
R.M 1	7/26/23	10:21AM	G	Water	N	N	X	X	X	X	X		
R.M 2	7/26/23	10:21AM	G	Water	N	N	X	X	X	X	X		
R.M 3	7/26/23	10:42AM	G	Water	N	N	X	X	X	X	X		
				Water									
C M 1	7/26/23	10:42AM	G	Water	N	N	X	X	X	X	X		
C M 2	7/26/23	11:15AM	G	Water	N	N	X	X	X	X	X		
C.M 3	7/26/23	11:35AM	G		N	N	X	X	X	X	X		

280-179640 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	11:35AM 7/26/23	MineWater		7-28-23 1009	EET
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 24.9° 23.9° cf0.0 TRIP

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: MineWater LLC

Job Number: 280-179640-1

Login Number: 179640
List Number: 1
Creator: Roehsner, Karen P

List Source: Eurofins Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	