From:	Rheubottom, Amber, ENV
To:	Shade, Kevin; George Alexander; Olin, Nicole; Graham, Jennifer (CONTR)
Cc:	Maurer, Anne, ENV
Subject:	[External_Sender] NMED 2023 BSAG Report - 4 - replacement
Date:	Friday, March 15, 2024 2:11:57 PM
Attachments:	NMED BSAG AppC2023.pdf

Fourth - revised

Totsiens –

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Amber Rheubottom
NMED – GWQB – MECS
505-660-2379

Schedule: Tuesday-Friday

From: Rheubottom, Amber, ENV
Sent: Friday, March 15, 2024 11:40 AM
To: Shade, Kevin <Shade.Kevin@epa.gov>; Alexander, George <George.Alexander@nrc.gov>; Olin, Nicole <Nicole.Olin@lm.doe.gov>; Graham, Jennifer (CONTR) <Jennifer.Graham@lm.doe.gov>
Cc: Maurer, Anne, ENV <Anne.Maurer@env.nm.gov>
Subject: NMED 2023 BSAG Report - 4

Fourth

Totsiens –

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Amber Rheubottom
NMED – GWQB – MECS
505-660-2379

Schedule: Tuesday-Friday

Appendix C

Laboratory Results

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Amber Rheubottom
New Mexico Environment Department
PO BOX 5469
Santa Fe, New Mexico 87502

Generated 10/20/2023 10:42:50 AM

JOB DESCRIPTION

Annual Groundwater, NM

JOB NUMBER

280-182410-1

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

Generated
10/20/2023 10:42:50 AM

Authorized for release by
Megan McElheny, Project Manager I
Megan.Mcelheny@et.eurofinsus.com
(303)736-0100

Table of Contents

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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
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.

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

Job ID: 280-182410-1

Laboratory: Eurofins Denver

Narrative

CASE NARRATIVE

Client: New Mexico Environment Department

Project: Annual Groundwater, NM

Report Number: 280-182410-1

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.

RECEIPT
The samples were received on 10/4/2023 9:35 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 0.8º C and 1.6º C.

DISSOLVED METALS (ICP)
Samples BSAG-11 (280-182410-1), BSAG-12 (280-182410-2), BSAG-15 (280-182410-3), BSAG-27 (280-182410-4) and BSAG-29 (280-182410-6) were analyzed for Dissolved metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 10/16/2023 and analyzed on 10/17/2023.

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

TOTAL RECOVERABLE METALS (ICP)
Samples BSAG-11 (280-182410-1), BSAG-12 (280-182410-2), BSAG-15 (280-182410-3), BSAG-27 (280-182410-4), BSAG-28 (280-182410-5) and BSAG-29 (280-182410-6) were analyzed for Total Recoverable Metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 10/16/2023 and analyzed on 10/16/2023, 10/17/2023 and 10/18/2023.

Calcium, Magnesium and Silicon were detected in method blank MB 280-629683/1-A at levels that were above the method detection limit but below the reporting limit. Sodium was detected in method blank MB 280-629754/1-A at a level that was above the method detection limit but below the reporting limit. Potassium and Sodium were detected in method blank MB 280-629766/1-A 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.

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

DISSOLVED METALS (ICPMS)
Samples BSAG-11 (280-182410-1), BSAG-12 (280-182410-2), BSAG-15 (280-182410-3), BSAG-27 (280-182410-4) and BSAG-29 (280-182410-6) were analyzed for dissolved metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared on 10/13/2023 and analyzed on 10/16/2023.

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

TOTAL RECOVERABLE METALS (ICPMS)

Job ID: 280-182410-1 (Continued)

Laboratory: Eurofins Denver (Continued)

Samples BSAG-11 (280-182410-1), BSAG-12 (280-182410-2), BSAG-15 (280-182410-3), BSAG-27 (280-182410-4), BSAG-28 (280-182410-5) and BSAG-29 (280-182410-6) were analyzed for total recoverable metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared on 10/16/2023 and analyzed on 10/16/2023, 10/17/2023 and 10/18/2023.

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

ALKALINITY
Samples BSAG-11 (280-182410-1), BSAG-12 (280-182410-2), BSAG-15 (280-182410-3), BSAG-27 (280-182410-4) and BSAG-29 (280-182410-6) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 10/06/2023.

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

TOTAL DISSOLVED SOLIDS
Samples BSAG-11 (280-182410-1), BSAG-12 (280-182410-2), BSAG-15 (280-182410-3), BSAG-27 (280-182410-4), BSAG-28 (280-182410-5) and BSAG-29 (280-182410-6) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 10/10/2023.

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

NITRATE-NITRITE AS NITROGEN
Samples BSAG-11 (280-182410-1), BSAG-12 (280-182410-2), BSAG-15 (280-182410-3), BSAG-27 (280-182410-4), BSAG-28 (280-182410-5) and BSAG-29 (280-182410-6) were analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 10/06/2023.

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

TOTAL CHLORIDE
Samples BSAG-11 (280-182410-1), BSAG-12 (280-182410-2), BSAG-15 (280-182410-3), BSAG-27 (280-182410-4), BSAG-28 (280-182410-5) and BSAG-29 (280-182410-6) were analyzed for total chloride in accordance with SM20 4500 Cl-E. The samples were analyzed on 10/09/2023.

Samples BSAG-11 (280-182410-1)[5X], BSAG-15 (280-182410-3)[5X], BSAG-27 (280-182410-4)[5X], BSAG-28 (280-182410-5)[5X] and BSAG-29 (280-182410-6)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Due to a high concentration of Chloride in samples: BSAG-12 (280-182410-2), (280-182410-F-2 MS) and (280-182410-F-2 MSD), the matrix spike and matrix spike duplicate (MS/MSD) required a dilution. Because of this dilution, the reagent amount was altered to reflect the correct volume present after dilution.

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

SULFATE
Samples BSAG-11 (280-182410-1), BSAG-12 (280-182410-2), BSAG-15 (280-182410-3), BSAG-27 (280-182410-4), BSAG-28 (280-182410-5) and BSAG-29 (280-182410-6) were analyzed for sulfate in accordance with SM 4500 S04 E. The samples were analyzed on 10/07/2023.

Samples BSAG-11 (280-182410-1)[15X], BSAG-12 (280-182410-2)[10X], BSAG-15 (280-182410-3)[20X], BSAG-27 (280-182410-4)[30X], BSAG-28 (280-182410-5)[20X] and BSAG-29 (280-182410-6)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Due to the high concentration of Sulfate, the matrix spike and matrix spike duplicate (MS/MSD) BSAG-11 (280-182410-1), (280-182410-F-1 MS) and (280-182410-F-1 MSD), could not be evaluated for accuracy and precision. The associated laboratory control sample and laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

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

Detection Summary

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182410-1

Client Sample ID: BSAG-11 — Lab Sample ID: 280-182410-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	150000	B	200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	6400		3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	48000	B	200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	140000		1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	8400	B	500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	150000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	6700	B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	47000		200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	130000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	8300		500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Arsenic	2.7	J	5.0	0.50	ug/L	1		200.8	Total Recoverable
Molybdenum	1.0	J	2.0	0.37	ug/L	1		200.8	Total Recoverable
Selenium	5.0		5.0	1.0	ug/L	1		200.8	Total Recoverable
Uranium	6.5		1.0	0.030	ug/L	1		200.8	Total Recoverable
Arsenic	2.8	J	5.0	0.50	ug/L	1		200.8	Dissolved
Molybdenum	2.3		2.0	0.37	ug/L	1		200.8	Dissolved
Selenium	5.5		5.0	1.0	ug/L	1		200.8	Dissolved
Uranium	6.9		1.0	0.030	ug/L	1		200.8	Dissolved
Nitrate Nitrite as N	1.2		0.10	0.044	mg/L	1		353.2	Total/NA
Total Alkalinity as CaCO3	340		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	340		10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	1100		20	9.4	mg/L	1		SM 2540C	Total/NA
Chloride	91		10	3.4	mg/L	5		SM 4500 Cl- E	Total/NA
Sulfate	430		75	11	mg/L	15		SM 4500 SO4 E	Total/NA

Client Sample ID: BSAG-12 — Lab Sample ID: 280-182410-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	110000	B	200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	4300		3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	35000	B	200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	72000		1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	8000	B	500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	120000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	4500	B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	36000		200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	66000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	8200		500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Arsenic	3.3	J	5.0	0.50	ug/L	1		200.8	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: BSAG-12 (Continued)

Lab Sample ID: 280-182410-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Molybdenum	1.5	J	2.0	0.37	ug/L	1		200.8	Total Recoverable
Selenium	6.7		5.0	1.0	ug/L	1		200.8	Total Recoverable
Uranium	4.7		1.0	0.030	ug/L	1		200.8	Total Recoverable
Arsenic	3.1	J	5.0	0.50	ug/L	1		200.8	Dissolved
Molybdenum	1.6	J	2.0	0.37	ug/L	1		200.8	Dissolved
Selenium	7.6		5.0	1.0	ug/L	1		200.8	Dissolved
Uranium	5.0		1.0	0.030	ug/L	1		200.8	Dissolved
Nitrate Nitrite as N	2.2		0.10	0.044	mg/L	1		353.2	Total/NA
Total Alkalinity as CaCO3	250		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	250		10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	730		10	4.7	mg/L	1		SM 2540C	Total/NA
Chloride	35		2.0	0.68	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	280		50	7.1	mg/L	10		SM 4500 SO4 E	Total/NA

Client Sample ID: BSAG-15

Lab Sample ID: 280-182410-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	200000	B	200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	8600		3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	63000	B	200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	190000		1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	6900	B	500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	180000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	8100	B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	57000		200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	160000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	6200		500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Arsenic	0.96	J	5.0	0.50	ug/L	1		200.8	Total Recoverable
Molybdenum	0.70	J	2.0	0.37	ug/L	1		200.8	Total Recoverable
Selenium	7.4		5.0	1.0	ug/L	1		200.8	Total Recoverable
Uranium	20		1.0	0.030	ug/L	1		200.8	Total Recoverable
Arsenic	1.0	J	5.0	0.50	ug/L	1		200.8	Dissolved
Molybdenum	0.90	J	2.0	0.37	ug/L	1		200.8	Dissolved
Selenium	7.4		5.0	1.0	ug/L	1		200.8	Dissolved
Uranium	21		1.0	0.030	ug/L	1		200.8	Dissolved
Nitrate Nitrite as N	4.0		0.10	0.044	mg/L	1		353.2	Total/NA
Total Alkalinity as CaCO3	340		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	340		10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	1500		20	9.4	mg/L	1		SM 2540C	Total/NA
Chloride	150		10	3.4	mg/L	5		SM 4500 Cl- E	Total/NA
Sulfate	600		100	14	mg/L	20		SM 4500 SO4 E	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182410-1

Client Sample ID: BSAG-27 — Lab Sample ID: 280-182410-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	150000	B	200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	6600		3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	41000	B	200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	200000		1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	11000	B	500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	150000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	7200	B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	42000		200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	180000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	11000		500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Molybdenum	0.57	J	2.0	0.37	ug/L	1		200.8	Total Recoverable
Selenium	9.3		5.0	1.0	ug/L	1		200.8	Total Recoverable
Uranium	18		1.0	0.030	ug/L	1		200.8	Total Recoverable
Molybdenum	0.57	J	2.0	0.37	ug/L	1		200.8	Dissolved
Selenium	11		5.0	1.0	ug/L	1		200.8	Dissolved
Uranium	20		1.0	0.030	ug/L	1		200.8	Dissolved
Nitrate Nitrite as N	1.3		0.10	0.044	mg/L	1		353.2	Total/NA
Total Alkalinity as CaCO3	360		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	360		10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	1300		20	9.4	mg/L	1		SM 2540C	Total/NA
Chloride	120		10	3.4	mg/L	5		SM 4500 Cl- E	Total/NA
Sulfate	480		150	21	mg/L	30		SM 4500 SO4 E	Total/NA

Client Sample ID: BSAG-28 — Lab Sample ID: 280-182410-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	190000		200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	6800		3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	51000		200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	110000	B	1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	7500		500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	12		5.0	0.50	ug/L	1		200.8	Total Recoverable
Molybdenum	1.3	J	2.0	0.37	ug/L	1		200.8	Total Recoverable
Uranium	7.6		1.0	0.030	ug/L	1		200.8	Total Recoverable
Nitrate Nitrite as N	3.6		0.10	0.044	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	1200		20	9.4	mg/L	1		SM 2540C	Total/NA
Chloride	81		10	3.4	mg/L	5		SM 4500 Cl- E	Total/NA
Sulfate	470		100	14	mg/L	20		SM 4500 SO4 E	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182410-1

Client Sample ID: BSAG-29

Lab Sample ID: 280-182410-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	200000		200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	7000		3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	54000		200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	120000	B	1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	7100		500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	190000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	6800	B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	52000		200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	110000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	6900		500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Arsenic	7.1		5.0	0.50	ug/L	1		200.8	Total Recoverable
Molybdenum	0.92	J	2.0	0.37	ug/L	1		200.8	Total Recoverable
Selenium	4.2	J	5.0	1.0	ug/L	1		200.8	Total Recoverable
Uranium	7.9	B	1.0	0.030	ug/L	1		200.8	Total Recoverable
Arsenic	8.4		5.0	0.50	ug/L	1		200.8	Dissolved
Molybdenum	0.87	J	2.0	0.37	ug/L	1		200.8	Dissolved
Selenium	4.2	J	5.0	1.0	ug/L	1		200.8	Dissolved
Uranium	8.8		1.0	0.030	ug/L	1		200.8	Dissolved
Nitrate Nitrite as N	3.0		0.10	0.044	mg/L	1		353.2	Total/NA
Total Alkalinity as CaCO3	350		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	350		10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	1300		20	9.4	mg/L	1		SM 2540C	Total/NA
Chloride	92		10	3.4	mg/L	5		SM 4500 Cl- E	Total/NA
Sulfate	520		100	14	mg/L	20		SM 4500 SO4 E	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182410-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET DEN
200.8	Metals (ICP/MS)	EPA	EET DEN
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET DEN
SM 2320B	Alkalinity	SM	EET DEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DEN
SM 4500 Cl- E	Chloride, Total	SM	EET DEN
SM 4500 SO4 E	Sulfate, Total	SM	EET DEN
200.7	Preparation, Total Recoverable Metals	EPA	EET DEN
200.8	Preparation, Total Recoverable Metals	EPA	EET DEN

Protocol References:

EPA = US Environmental Protection Agency

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: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182410-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-182410-1	BSAG-11	Water	10/03/23 10:30	10/04/23 09:35
280-182410-2	BSAG-12	Water	10/03/23 11:30	10/04/23 09:35
280-182410-3	BSAG-15	Water	10/03/23 13:45	10/04/23 09:35
280-182410-4	BSAG-27	Water	10/03/23 14:50	10/04/23 09:35
280-182410-5	BSAG-28	Water	10/03/23 16:35	10/04/23 09:35
280-182410-6	BSAG-29	Water	10/03/23 15:50	10/04/23 09:35

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Client Sample ID: BSAG-11
Date Collected: 10/03/23 10:30
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	150000	B	200	24	ug/L		10/16/23 08:55	10/16/23 20:35	1
Potassium	6400		3000	240	ug/L		10/16/23 08:55	10/16/23 20:35	1
Magnesium	48000	B	200	4.2	ug/L		10/16/23 08:55	10/16/23 20:35	1
Sodium	140000		1000	97	ug/L		10/16/23 08:55	10/18/23 05:33	1
Silicon	8400	B	500	16	ug/L		10/16/23 08:55	10/16/23 20:35	1

Client Sample ID: BSAG-12
Date Collected: 10/03/23 11:30
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	110000	B	200	24	ug/L		10/16/23 08:55	10/16/23 20:39	1
Potassium	4300		3000	240	ug/L		10/16/23 08:55	10/16/23 20:39	1
Magnesium	35000	B	200	4.2	ug/L		10/16/23 08:55	10/16/23 20:39	1
Sodium	72000		1000	97	ug/L		10/16/23 08:55	10/18/23 05:37	1
Silicon	8000	B	500	16	ug/L		10/16/23 08:55	10/16/23 20:39	1

Client Sample ID: BSAG-15
Date Collected: 10/03/23 13:45
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	200000	B	200	24	ug/L		10/16/23 08:55	10/16/23 20:43	1
Potassium	8600		3000	240	ug/L		10/16/23 08:55	10/16/23 20:43	1
Magnesium	63000	B	200	4.2	ug/L		10/16/23 08:55	10/16/23 20:43	1
Sodium	190000		1000	97	ug/L		10/16/23 08:55	10/18/23 05:41	1
Silicon	6900	B	500	16	ug/L		10/16/23 08:55	10/16/23 20:43	1

Client Sample ID: BSAG-27
Date Collected: 10/03/23 14:50
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	150000	B	200	24	ug/L		10/16/23 08:55	10/16/23 20:48	1
Potassium	6600		3000	240	ug/L		10/16/23 08:55	10/16/23 20:48	1
Magnesium	41000	B	200	4.2	ug/L		10/16/23 08:55	10/16/23 20:48	1
Sodium	200000		1000	97	ug/L		10/16/23 08:55	10/18/23 05:45	1
Silicon	11000	B	500	16	ug/L		10/16/23 08:55	10/16/23 20:48	1

Client Sample ID: BSAG-28
Date Collected: 10/03/23 16:35
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	190000		200	24	ug/L		10/16/23 08:55	10/17/23 22:16	1
Potassium	6800		3000	240	ug/L		10/16/23 08:55	10/17/23 22:16	1
Magnesium	51000		200	4.2	ug/L		10/16/23 08:55	10/17/23 22:16	1
Sodium	110000	B	1000	97	ug/L		10/16/23 08:55	10/17/23 22:16	1
Silicon	7500		500	16	ug/L		10/16/23 08:55	10/17/23 22:16	1

Client Sample ID: BSAG-29
Date Collected: 10/03/23 15:50
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	200000		200	24	ug/L		10/16/23 08:55	10/17/23 22:20	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable (Continued)

Client Sample ID: BSAG-29
Date Collected: 10/03/23 15:50
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	7000		3000	240	ug/L		10/16/23 08:55	10/17/23 22:20	1
Magnesium	54000		200	4.2	ug/L		10/16/23 08:55	10/17/23 22:20	1
Sodium	120000	B	1000	97	ug/L		10/16/23 08:55	10/17/23 22:20	1
Silicon	7100		500	16	ug/L		10/16/23 08:55	10/17/23 22:20	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Client Sample ID: BSAG-11
Date Collected: 10/03/23 10:30
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	150000		200	24	ug/L		10/16/23 08:55	10/17/23 07:08	1
Potassium	6700	B	3000	240	ug/L		10/16/23 08:55	10/17/23 07:08	1
Magnesium	47000		200	4.2	ug/L		10/16/23 08:55	10/17/23 07:08	1
Sodium	130000	B	1000	97	ug/L		10/16/23 08:55	10/17/23 07:08	1
Silicon	8300		500	16	ug/L		10/16/23 08:55	10/17/23 07:08	1

Client Sample ID: BSAG-12
Date Collected: 10/03/23 11:30
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	120000		200	24	ug/L		10/16/23 08:55	10/17/23 07:12	1
Potassium	4500	B	3000	240	ug/L		10/16/23 08:55	10/17/23 07:12	1
Magnesium	36000		200	4.2	ug/L		10/16/23 08:55	10/17/23 07:12	1
Sodium	66000	B	1000	97	ug/L		10/16/23 08:55	10/17/23 07:12	1
Silicon	8200		500	16	ug/L		10/16/23 08:55	10/17/23 07:12	1

Client Sample ID: BSAG-15
Date Collected: 10/03/23 13:45
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	180000		200	24	ug/L		10/16/23 08:55	10/17/23 07:16	1
Potassium	8100	B	3000	240	ug/L		10/16/23 08:55	10/17/23 07:16	1
Magnesium	57000		200	4.2	ug/L		10/16/23 08:55	10/17/23 07:16	1
Sodium	160000	B	1000	97	ug/L		10/16/23 08:55	10/17/23 07:16	1
Silicon	6200		500	16	ug/L		10/16/23 08:55	10/17/23 07:16	1

Client Sample ID: BSAG-27
Date Collected: 10/03/23 14:50
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	150000		200	24	ug/L		10/16/23 08:55	10/17/23 07:21	1
Potassium	7200	B	3000	240	ug/L		10/16/23 08:55	10/17/23 07:21	1
Magnesium	42000		200	4.2	ug/L		10/16/23 08:55	10/17/23 07:21	1
Sodium	180000	B	1000	97	ug/L		10/16/23 08:55	10/17/23 07:21	1
Silicon	11000		500	16	ug/L		10/16/23 08:55	10/17/23 07:21	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Client Sample ID: BSAG-29
Date Collected: 10/03/23 15:50
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	190000		200	24	ug/L		10/16/23 08:55	10/17/23 07:25	1
Potassium	6800	B	3000	240	ug/L		10/16/23 08:55	10/17/23 07:25	1
Magnesium	52000		200	4.2	ug/L		10/16/23 08:55	10/17/23 07:25	1
Sodium	110000	B	1000	97	ug/L		10/16/23 08:55	10/17/23 07:25	1
Silicon	6900		500	16	ug/L		10/16/23 08:55	10/17/23 07:25	1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: BSAG-11
Date Collected: 10/03/23 10:30
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.7	J	5.0	0.50	ug/L		10/16/23 08:55	10/17/23 01:58	1
Molybdenum	1.0	J	2.0	0.37	ug/L		10/16/23 08:55	10/17/23 01:58	1
Selenium	5.0		5.0	1.0	ug/L		10/16/23 08:55	10/17/23 01:58	1
Uranium	6.5		1.0	0.030	ug/L		10/16/23 08:55	10/17/23 01:58	1

Client Sample ID: BSAG-12
Date Collected: 10/03/23 11:30
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.3	J	5.0	0.50	ug/L		10/16/23 08:55	10/17/23 02:01	1
Molybdenum	1.5	J	2.0	0.37	ug/L		10/16/23 08:55	10/17/23 02:01	1
Selenium	6.7		5.0	1.0	ug/L		10/16/23 08:55	10/17/23 02:01	1
Uranium	4.7		1.0	0.030	ug/L		10/16/23 08:55	10/17/23 02:01	1

Client Sample ID: BSAG-15
Date Collected: 10/03/23 13:45
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.96	J	5.0	0.50	ug/L		10/16/23 08:55	10/17/23 02:05	1
Molybdenum	0.70	J	2.0	0.37	ug/L		10/16/23 08:55	10/17/23 02:05	1
Selenium	7.4		5.0	1.0	ug/L		10/16/23 08:55	10/17/23 02:05	1
Uranium	20		1.0	0.030	ug/L		10/16/23 08:55	10/17/23 02:05	1

Client Sample ID: BSAG-27
Date Collected: 10/03/23 14:50
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		10/16/23 08:55	10/17/23 02:08	1
Molybdenum	0.57	J	2.0	0.37	ug/L		10/16/23 08:55	10/17/23 02:08	1
Selenium	9.3		5.0	1.0	ug/L		10/16/23 08:55	10/17/23 02:08	1
Uranium	18		1.0	0.030	ug/L		10/16/23 08:55	10/17/23 02:08	1

Client Sample ID: BSAG-28
Date Collected: 10/03/23 16:35
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12		5.0	0.50	ug/L		10/16/23 08:55	10/17/23 18:16	1
Molybdenum	1.3	J	2.0	0.37	ug/L		10/16/23 08:55	10/17/23 18:16	1
Selenium	ND		5.0	1.0	ug/L		10/16/23 08:55	10/18/23 14:55	1

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

Client Sample ID: BSAG-28
Date Collected: 10/03/23 16:35
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	7.6		1.0	0.030	ug/L		10/16/23 08:55	10/17/23 18:16	1

Client Sample ID: BSAG-29
Date Collected: 10/03/23 15:50
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.1		5.0	0.50	ug/L		10/16/23 08:55	10/16/23 19:26	1
Molybdenum	0.92	J	2.0	0.37	ug/L		10/16/23 08:55	10/17/23 18:23	1
Selenium	4.2	J	5.0	1.0	ug/L		10/16/23 08:55	10/16/23 19:26	1
Uranium	7.9	B	1.0	0.030	ug/L		10/16/23 08:55	10/16/23 19:26	1

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

Client Sample ID: BSAG-11
Date Collected: 10/03/23 10:30
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.8	J	5.0	0.50	ug/L		10/13/23 07:42	10/16/23 21:05	1
Molybdenum	2.3		2.0	0.37	ug/L		10/13/23 07:42	10/16/23 21:05	1
Selenium	5.5		5.0	1.0	ug/L		10/13/23 07:42	10/16/23 21:05	1
Uranium	6.9		1.0	0.030	ug/L		10/13/23 07:42	10/16/23 21:05	1

Client Sample ID: BSAG-12
Date Collected: 10/03/23 11:30
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.1	J	5.0	0.50	ug/L		10/13/23 07:42	10/16/23 21:09	1
Molybdenum	1.6	J	2.0	0.37	ug/L		10/13/23 07:42	10/16/23 21:09	1
Selenium	7.6		5.0	1.0	ug/L		10/13/23 07:42	10/16/23 21:09	1
Uranium	5.0		1.0	0.030	ug/L		10/13/23 07:42	10/16/23 21:09	1

Client Sample ID: BSAG-15
Date Collected: 10/03/23 13:45
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.0	J	5.0	0.50	ug/L		10/13/23 07:42	10/16/23 21:12	1
Molybdenum	0.90	J	2.0	0.37	ug/L		10/13/23 07:42	10/16/23 21:12	1
Selenium	7.4		5.0	1.0	ug/L		10/13/23 07:42	10/16/23 21:12	1
Uranium	21		1.0	0.030	ug/L		10/13/23 07:42	10/16/23 21:12	1

Client Sample ID: BSAG-27
Date Collected: 10/03/23 14:50
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		10/13/23 07:42	10/16/23 21:16	1
Molybdenum	0.57	J	2.0	0.37	ug/L		10/13/23 07:42	10/16/23 21:16	1
Selenium	11		5.0	1.0	ug/L		10/13/23 07:42	10/16/23 21:16	1
Uranium	20		1.0	0.030	ug/L		10/13/23 07:42	10/16/23 21:16	1

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

Client Sample ID: BSAG-29
Date Collected: 10/03/23 15:50
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.4		5.0	0.50	ug/L		10/13/23 07:42	10/16/23 21:27	1
Molybdenum	0.87	J	2.0	0.37	ug/L		10/13/23 07:42	10/16/23 21:27	1
Selenium	4.2	J	5.0	1.0	ug/L		10/13/23 07:42	10/16/23 21:27	1
Uranium	8.8		1.0	0.030	ug/L		10/13/23 07:42	10/16/23 21:27	1

General Chemistry

Client Sample ID: BSAG-11
Date Collected: 10/03/23 10:30
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	1.2		0.10	0.044	mg/L			10/06/23 11:35	1
Total Alkalinity as CaCO3 (SM 2320B)	340		10	3.1	mg/L			10/06/23 08:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	340		10	3.1	mg/L			10/06/23 08:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/06/23 08:31	1
Total Dissolved Solids (TDS) (SM 2540C)	1100		20	9.4	mg/L			10/10/23 15:14	1
Chloride (SM 4500 Cl- E)	91		10	3.4	mg/L			10/09/23 12:30	5
Sulfate (SM 4500 SO4 E)	430		75	11	mg/L			10/07/23 16:31	15

Client Sample ID: BSAG-12
Date Collected: 10/03/23 11:30
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	2.2		0.10	0.044	mg/L			10/06/23 11:41	1
Total Alkalinity as CaCO3 (SM 2320B)	250		10	3.1	mg/L			10/06/23 08:38	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	250		10	3.1	mg/L			10/06/23 08:38	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/06/23 08:38	1
Total Dissolved Solids (TDS) (SM 2540C)	730		10	4.7	mg/L			10/10/23 15:05	1
Chloride (SM 4500 Cl- E)	35		2.0	0.68	mg/L			10/09/23 12:21	1
Sulfate (SM 4500 SO4 E)	280		50	7.1	mg/L			10/07/23 16:04	10

Client Sample ID: BSAG-15
Date Collected: 10/03/23 13:45
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	4.0		0.10	0.044	mg/L			10/06/23 11:47	1
Total Alkalinity as CaCO3 (SM 2320B)	340		10	3.1	mg/L			10/06/23 08:46	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	340		10	3.1	mg/L			10/06/23 08:46	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/06/23 08:46	1
Total Dissolved Solids (TDS) (SM 2540C)	1500		20	9.4	mg/L			10/10/23 15:14	1
Chloride (SM 4500 Cl- E)	150		10	3.4	mg/L			10/09/23 12:30	5

General Chemistry (Continued)

Client Sample ID: BSAG-15
Date Collected: 10/03/23 13:45
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SM 4500 SO4 E)	**600**		100	14	mg/L			10/07/23 16:28	20

Client Sample ID: BSAG-27
Date Collected: 10/03/23 14:50
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	**1.3**		0.10	0.044	mg/L			10/06/23 12:01	1
Total Alkalinity as CaCO3 (SM 2320B)	**360**		10	3.1	mg/L			10/06/23 09:06	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**360**		10	3.1	mg/L			10/06/23 09:06	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/06/23 09:06	1
Total Dissolved Solids (TDS) (SM 2540C)	**1300**		20	9.4	mg/L			10/10/23 15:14	1
Chloride (SM 4500 Cl- E)	**120**		10	3.4	mg/L			10/09/23 12:31	5
Sulfate (SM 4500 SO4 E)	**480**		150	21	mg/L			10/07/23 16:29	30

Client Sample ID: BSAG-28
Date Collected: 10/03/23 16:35
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	**3.6**		0.10	0.044	mg/L			10/06/23 12:03	1
Total Dissolved Solids (TDS) (SM 2540C)	**1200**		20	9.4	mg/L			10/10/23 15:14	1
Chloride (SM 4500 Cl- E)	**81**		10	3.4	mg/L			10/09/23 12:32	5
Sulfate (SM 4500 SO4 E)	**470**		100	14	mg/L			10/07/23 16:28	20

Client Sample ID: BSAG-29
Date Collected: 10/03/23 15:50
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	**3.0**		0.10	0.044	mg/L			10/06/23 12:05	1
Total Alkalinity as CaCO3 (SM 2320B)	**350**		10	3.1	mg/L			10/06/23 09:14	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**350**		10	3.1	mg/L			10/06/23 09:14	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/06/23 09:14	1
Total Dissolved Solids (TDS) (SM 2540C)	**1300**		20	9.4	mg/L			10/10/23 15:14	1
Chloride (SM 4500 Cl- E)	**92**		10	3.4	mg/L			10/09/23 12:32	5
Sulfate (SM 4500 SO4 E)	**520**		100	14	mg/L			10/07/23 16:29	20

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-629683/1-A
Matrix: Water
Analysis Batch: 629986

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 629683

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	108	J	200	24	ug/L		10/16/23 08:55	10/16/23 18:13	1
Potassium	ND		3000	240	ug/L		10/16/23 08:55	10/16/23 18:13	1
Magnesium	24.9	J	200	4.2	ug/L		10/16/23 08:55	10/16/23 18:13	1
Silicon	22.0	J	500	16	ug/L		10/16/23 08:55	10/16/23 18:13	1

Lab Sample ID: MB 280-629683/1-A
Matrix: Water
Analysis Batch: 630175

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 629683

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	ND		1000	97	ug/L		10/16/23 08:55	10/18/23 03:27	1

Lab Sample ID: LCS 280-629683/2-A
Matrix: Water
Analysis Batch: 629986

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 629683

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50000	46200		ug/L		92	90 - 111
Potassium	50000	44600		ug/L		89	89 - 114
Magnesium	50000	45200		ug/L		90	90 - 113
Silicon	10000	8790		ug/L		88	85 - 115

Lab Sample ID: LCS 280-629683/2-A
Matrix: Water
Analysis Batch: 630175

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 629683

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	50000	51600		ug/L		103	90 - 115

Lab Sample ID: MB 280-629754/1-A
Matrix: Water
Analysis Batch: 630179

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 629754

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		200	24	ug/L		10/16/23 08:55	10/17/23 20:43	1
Potassium	ND		3000	240	ug/L		10/16/23 08:55	10/17/23 20:43	1
Magnesium	ND		200	4.2	ug/L		10/16/23 08:55	10/17/23 20:43	1
Sodium	100	J	1000	97	ug/L		10/16/23 08:55	10/17/23 20:43	1
Silicon	ND		500	16	ug/L		10/16/23 08:55	10/17/23 20:43	1

Lab Sample ID: LCS 280-629754/2-A
Matrix: Water
Analysis Batch: 630179

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 629754

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50000	50000		ug/L		100	90 - 111
Potassium	50000	49700		ug/L		99	89 - 114
Magnesium	50000	49200		ug/L		98	90 - 113
Sodium	50000	51400		ug/L		103	90 - 115
Silicon	10000	9500		ug/L		95	85 - 115

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-629766/1-A
Matrix: Water
Analysis Batch: 629990

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 629766

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		200	24	ug/L		10/16/23 08:55	10/17/23 06:11	1
Potassium	262	J	3000	240	ug/L		10/16/23 08:55	10/17/23 06:11	1
Magnesium	ND		200	4.2	ug/L		10/16/23 08:55	10/17/23 06:11	1
Sodium	128	J	1000	97	ug/L		10/16/23 08:55	10/17/23 06:11	1
Silicon	ND		500	16	ug/L		10/16/23 08:55	10/17/23 06:11	1

Lab Sample ID: LCS 280-629766/2-A
Matrix: Water
Analysis Batch: 629990

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 629766

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50000	48100		ug/L		96	90 - 111
Potassium	50000	46300		ug/L		93	89 - 114
Magnesium	50000	46100		ug/L		92	90 - 113
Sodium	50000	46200		ug/L		92	90 - 115
Silicon	10000	9190		ug/L		92	85 - 115

Lab Sample ID: LCSD 280-629766/3-A
Matrix: Water
Analysis Batch: 629990

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 629766

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	50000	47800		ug/L		96	90 - 111	1	20
Potassium	50000	46000		ug/L		92	89 - 114	1	20
Magnesium	50000	45600		ug/L		91	90 - 113	1	20
Sodium	50000	46000		ug/L		92	90 - 115	1	20
Silicon	10000	9040		ug/L		90	85 - 115	2	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-629586/1-A
Matrix: Water
Analysis Batch: 629953

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 629586

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		10/13/23 07:42	10/16/23 20:08	1
Molybdenum	ND		2.0	0.37	ug/L		10/13/23 07:42	10/16/23 20:08	1
Selenium	ND		5.0	1.0	ug/L		10/13/23 07:42	10/16/23 20:08	1
Uranium	ND		1.0	0.030	ug/L		10/13/23 07:42	10/16/23 20:08	1

Lab Sample ID: LCS 280-629586/2-A
Matrix: Water
Analysis Batch: 629953

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 629586

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	40.0	39.3		ug/L		98	89 - 111
Molybdenum	40.0	39.8		ug/L		100	89 - 112
Selenium	40.0	38.3		ug/L		96	85 - 114
Uranium	40.0	38.0		ug/L		95	85 - 115

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

Lab Sample ID: MB 280-629754/1-A
Matrix: Water
Analysis Batch: 630119

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 629754

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		10/16/23 08:55	10/17/23 17:52	1
Molybdenum	ND		2.0	0.37	ug/L		10/16/23 08:55	10/17/23 17:52	1
Uranium	ND		1.0	0.030	ug/L		10/16/23 08:55	10/17/23 17:52	1

Lab Sample ID: MB 280-629754/1-A
Matrix: Water
Analysis Batch: 630263

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 629754

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		5.0	1.0	ug/L		10/16/23 08:55	10/18/23 14:43	1

Lab Sample ID: LCS 280-629754/27-A
Matrix: Water
Analysis Batch: 630119

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 629754

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	40.0	40.5		ug/L		101	89 - 111
Molybdenum	40.0	40.0		ug/L		100	89 - 112
Uranium	40.0	40.3		ug/L		101	85 - 115

Lab Sample ID: LCS 280-629754/27-A
Matrix: Water
Analysis Batch: 630263

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 629754

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	40.0	38.5		ug/L		96	85 - 114

Lab Sample ID: MB 280-629758/1-A
Matrix: Water
Analysis Batch: 629954

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 629758

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		10/16/23 08:55	10/17/23 00:28	1
Molybdenum	ND		2.0	0.37	ug/L		10/16/23 08:55	10/17/23 00:28	1
Selenium	ND		5.0	1.0	ug/L		10/16/23 08:55	10/17/23 00:28	1
Uranium	ND		1.0	0.030	ug/L		10/16/23 08:55	10/17/23 00:28	1

Lab Sample ID: LCS 280-629758/2-A
Matrix: Water
Analysis Batch: 629954

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 629758

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	40.0	37.0		ug/L		93	89 - 111
Molybdenum	40.0	35.9		ug/L		90	89 - 112
Selenium	40.0	34.9		ug/L		87	85 - 114
Uranium	40.0	35.7		ug/L		89	85 - 115

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-628849/23
Matrix: Water
Analysis Batch: 628849

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.044	mg/L			10/06/23 10:23	1

Lab Sample ID: MB 280-628849/61
Matrix: Water
Analysis Batch: 628849

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.044	mg/L			10/06/23 11:39	1

Lab Sample ID: LCS 280-628849/21
Matrix: Water
Analysis Batch: 628849

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	5.00	5.01		mg/L		100	90 - 110

Lab Sample ID: LCS 280-628849/60
Matrix: Water
Analysis Batch: 628849

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	5.00	4.94		mg/L		99	90 - 110

Lab Sample ID: LCSD 280-628849/22
Matrix: Water
Analysis Batch: 628849

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
Nitrate Nitrite as N	5.00	4.92		mg/L		98	90 - 110	2	10

Lab Sample ID: 280-182410-2 MS
Matrix: Water
Analysis Batch: 628849

Client Sample ID: BSAG-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	2.2		4.00	5.97		mg/L		95	90 - 110

Lab Sample ID: 280-182410-2 MSD
Matrix: Water
Analysis Batch: 628849

Client Sample ID: BSAG-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	2.2		4.00	6.00		mg/L		96	90 - 110	0	10

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 280-628769/109
Matrix: Water
Analysis Batch: 628769

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			10/06/23 07:31	1
Bicarbonate Alkalinity as CaCO3	ND		10	3.1	mg/L			10/06/23 07:31	1
Carbonate Alkalinity as CaCO3	ND		10	3.1	mg/L			10/06/23 07:31	1

Lab Sample ID: LCS 280-628769/108
Matrix: Water
Analysis Batch: 628769

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	205		mg/L		103	89 - 110

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

Lab Sample ID: MB 280-629215/1
Matrix: Water
Analysis Batch: 629215

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			10/10/23 15:05	1

Lab Sample ID: LCS 280-629215/2
Matrix: Water
Analysis Batch: 629215

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)	508	503		mg/L		99	88 - 114

Lab Sample ID: LCSD 280-629215/3
Matrix: Water
Analysis Batch: 629215

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)	508	499		mg/L		98	88 - 114	1	20

Lab Sample ID: MB 280-629218/1
Matrix: Water
Analysis Batch: 629218

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			10/10/23 15:14	1

Lab Sample ID: LCS 280-629218/2
Matrix: Water
Analysis Batch: 629218

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)	508	500		mg/L		98	88 - 114

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

Lab Sample ID: LCSD 280-629218/3
Matrix: Water
Analysis Batch: 629218

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)			508	496		mg/L		98	88 - 114	1	20

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 280-629058/15
Matrix: Water
Analysis Batch: 629058

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			10/09/23 12:19	1

Lab Sample ID: MB 280-629058/27
Matrix: Water
Analysis Batch: 629058

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			10/09/23 12:23	1

Lab Sample ID: MB 280-629058/44
Matrix: Water
Analysis Batch: 629058

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			10/09/23 12:34	1

Lab Sample ID: LCS 280-629058/13
Matrix: Water
Analysis Batch: 629058

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	19.7		mg/L		99	90 - 110		

Lab Sample ID: LCS 280-629058/25
Matrix: Water
Analysis Batch: 629058

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	19.4		mg/L		97	90 - 110		

Lab Sample ID: LCS 280-629058/42
Matrix: Water
Analysis Batch: 629058

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	19.9		mg/L		100	90 - 110		

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: LCSD 280-629058/14
Matrix: Water
Analysis Batch: 629058

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	19.2		mg/L		96	90 - 110	3	10

Lab Sample ID: LCSD 280-629058/26
Matrix: Water
Analysis Batch: 629058

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	19.4		mg/L		97	90 - 110	0	10

Lab Sample ID: LCSD 280-629058/43
Matrix: Water
Analysis Batch: 629058

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	19.9		mg/L		100	90 - 110	0	10

Lab Sample ID: 280-182410-2 MS
Matrix: Water
Analysis Batch: 629058

Client Sample ID: BSAG-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	41		20.0	61.6		mg/L		101	90 - 110		

Lab Sample ID: 280-182410-2 MSD
Matrix: Water
Analysis Batch: 629058

Client Sample ID: BSAG-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	41		20.0	61.7		mg/L		102	90 - 110	0	10

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 280-628912/44
Matrix: Water
Analysis Batch: 628912

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			10/07/23 15:57	1

Lab Sample ID: LCS 280-628912/42
Matrix: Water
Analysis Batch: 628912

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	26.4		mg/L		106	90 - 110		

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: LCSD 280-628912/43
Matrix: Water
Analysis Batch: 628912

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	26.4		mg/L		106	90 - 110	0	10

Lab Sample ID: 280-182410-1 MS
Matrix: Water
Analysis Batch: 628912

Client Sample ID: BSAG-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	430		24.8	446	4	mg/L		62	90 - 110

Lab Sample ID: 280-182410-1 MSD
Matrix: Water
Analysis Batch: 628912

Client Sample ID: BSAG-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	430		24.8	446	4	mg/L		64	90 - 110	0	10

Metals

Prep Batch: 629586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-1	BSAG-11	Dissolved	Water	200.8	
280-182410-2	BSAG-12	Dissolved	Water	200.8	
280-182410-3	BSAG-15	Dissolved	Water	200.8	
280-182410-4	BSAG-27	Dissolved	Water	200.8	
280-182410-6	BSAG-29	Dissolved	Water	200.8	
MB 280-629586/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-629586/2-A	Lab Control Sample	Total Recoverable	Water	200.8	

Prep Batch: 629683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-1	BSAG-11	Total Recoverable	Water	200.7	
280-182410-2	BSAG-12	Total Recoverable	Water	200.7	
280-182410-3	BSAG-15	Total Recoverable	Water	200.7	
280-182410-4	BSAG-27	Total Recoverable	Water	200.7	
MB 280-629683/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 280-629683/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Prep Batch: 629754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-5	BSAG-28	Total Recoverable	Water	200.8	
280-182410-6	BSAG-29	Total Recoverable	Water	200.7	
MB 280-629754/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 280-629754/27-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCS 280-629754/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Prep Batch: 629758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-1	BSAG-11	Total Recoverable	Water	200.8	
280-182410-2	BSAG-12	Total Recoverable	Water	200.8	
280-182410-3	BSAG-15	Total Recoverable	Water	200.8	
280-182410-4	BSAG-27	Total Recoverable	Water	200.8	
MB 280-629758/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-629758/2-A	Lab Control Sample	Total Recoverable	Water	200.8	

Prep Batch: 629766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-1	BSAG-11	Dissolved	Water	200.7	
280-182410-2	BSAG-12	Dissolved	Water	200.7	
280-182410-3	BSAG-15	Dissolved	Water	200.7	
280-182410-4	BSAG-27	Dissolved	Water	200.7	
280-182410-6	BSAG-29	Dissolved	Water	200.7	
MB 280-629766/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 280-629766/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 280-629766/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	

Analysis Batch: 629953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-1	BSAG-11	Dissolved	Water	200.8	629586
280-182410-2	BSAG-12	Dissolved	Water	200.8	629586
280-182410-3	BSAG-15	Dissolved	Water	200.8	629586
280-182410-4	BSAG-27	Dissolved	Water	200.8	629586

Metals (Continued)

Analysis Batch: 629953 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-6	BSAG-29	Dissolved	Water	200.8	629586
MB 280-629586/1-A	Method Blank	Total Recoverable	Water	200.8	629586
LCS 280-629586/2-A	Lab Control Sample	Total Recoverable	Water	200.8	629586

Analysis Batch: 629954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-1	BSAG-11	Total Recoverable	Water	200.8	629758
280-182410-2	BSAG-12	Total Recoverable	Water	200.8	629758
280-182410-3	BSAG-15	Total Recoverable	Water	200.8	629758
280-182410-4	BSAG-27	Total Recoverable	Water	200.8	629758
MB 280-629758/1-A	Method Blank	Total Recoverable	Water	200.8	629758
LCS 280-629758/2-A	Lab Control Sample	Total Recoverable	Water	200.8	629758

Analysis Batch: 629955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-6	BSAG-29	Total Recoverable	Water	200.8	629754

Analysis Batch: 629986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-1	BSAG-11	Total Recoverable	Water	200.7 Rev 4.4	629683
280-182410-2	BSAG-12	Total Recoverable	Water	200.7 Rev 4.4	629683
280-182410-3	BSAG-15	Total Recoverable	Water	200.7 Rev 4.4	629683
280-182410-4	BSAG-27	Total Recoverable	Water	200.7 Rev 4.4	629683
MB 280-629683/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	629683
LCS 280-629683/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	629683

Analysis Batch: 629990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-1	BSAG-11	Dissolved	Water	200.7 Rev 4.4	629766
280-182410-2	BSAG-12	Dissolved	Water	200.7 Rev 4.4	629766
280-182410-3	BSAG-15	Dissolved	Water	200.7 Rev 4.4	629766
280-182410-4	BSAG-27	Dissolved	Water	200.7 Rev 4.4	629766
280-182410-6	BSAG-29	Dissolved	Water	200.7 Rev 4.4	629766
MB 280-629766/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	629766
LCS 280-629766/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	629766
LCSD 280-629766/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	629766

Analysis Batch: 630119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-5	BSAG-28	Total Recoverable	Water	200.8	629754
280-182410-6	BSAG-29	Total Recoverable	Water	200.8	629754
MB 280-629754/1-A	Method Blank	Total Recoverable	Water	200.8	629754
LCS 280-629754/27-A	Lab Control Sample	Total Recoverable	Water	200.8	629754

Analysis Batch: 630175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-1	BSAG-11	Total Recoverable	Water	200.7 Rev 4.4	629683
280-182410-2	BSAG-12	Total Recoverable	Water	200.7 Rev 4.4	629683
280-182410-3	BSAG-15	Total Recoverable	Water	200.7 Rev 4.4	629683
280-182410-4	BSAG-27	Total Recoverable	Water	200.7 Rev 4.4	629683
MB 280-629683/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	629683

Metals (Continued)

Analysis Batch: 630175 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 280-629683/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	629683

Analysis Batch: 630179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-5	BSAG-28	Total Recoverable	Water	200.7 Rev 4.4	629754
280-182410-6	BSAG-29	Total Recoverable	Water	200.7 Rev 4.4	629754
MB 280-629754/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	629754
LCS 280-629754/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	629754

Analysis Batch: 630263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-5	BSAG-28	Total Recoverable	Water	200.8	629754
MB 280-629754/1-A	Method Blank	Total Recoverable	Water	200.8	629754
LCS 280-629754/27-A	Lab Control Sample	Total Recoverable	Water	200.8	629754

General Chemistry

Analysis Batch: 628769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-1	BSAG-11	Total/NA	Water	SM 2320B	
280-182410-2	BSAG-12	Total/NA	Water	SM 2320B	
280-182410-3	BSAG-15	Total/NA	Water	SM 2320B	
280-182410-4	BSAG-27	Total/NA	Water	SM 2320B	
280-182410-6	BSAG-29	Total/NA	Water	SM 2320B	
MB 280-628769/109	Method Blank	Total/NA	Water	SM 2320B	
LCS 280-628769/108	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 628849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-1	BSAG-11	Total/NA	Water	353.2	
280-182410-2	BSAG-12	Total/NA	Water	353.2	
280-182410-3	BSAG-15	Total/NA	Water	353.2	
280-182410-4	BSAG-27	Total/NA	Water	353.2	
280-182410-5	BSAG-28	Total/NA	Water	353.2	
280-182410-6	BSAG-29	Total/NA	Water	353.2	
MB 280-628849/23	Method Blank	Total/NA	Water	353.2	
MB 280-628849/61	Method Blank	Total/NA	Water	353.2	
LCS 280-628849/21	Lab Control Sample	Total/NA	Water	353.2	
LCS 280-628849/60	Lab Control Sample	Total/NA	Water	353.2	
LCSD 280-628849/22	Lab Control Sample Dup	Total/NA	Water	353.2	
280-182410-2 MS	BSAG-12	Total/NA	Water	353.2	
280-182410-2 MSD	BSAG-12	Total/NA	Water	353.2	

Analysis Batch: 628912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-1	BSAG-11	Total/NA	Water	SM 4500 SO4 E	
280-182410-2	BSAG-12	Total/NA	Water	SM 4500 SO4 E	
280-182410-3	BSAG-15	Total/NA	Water	SM 4500 SO4 E	
280-182410-4	BSAG-27	Total/NA	Water	SM 4500 SO4 E	
280-182410-5	BSAG-28	Total/NA	Water	SM 4500 SO4 E	
280-182410-6	BSAG-29	Total/NA	Water	SM 4500 SO4 E	

General Chemistry (Continued)

Analysis Batch: 628912 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-628912/44	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 280-628912/42	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCSD 280-628912/43	Lab Control Sample Dup	Total/NA	Water	SM 4500 SO4 E	
280-182410-1 MS	BSAG-11	Total/NA	Water	SM 4500 SO4 E	
280-182410-1 MSD	BSAG-11	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 629058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-1	BSAG-11	Total/NA	Water	SM 4500 Cl- E	
280-182410-2	BSAG-12	Total/NA	Water	SM 4500 Cl- E	
280-182410-3	BSAG-15	Total/NA	Water	SM 4500 Cl- E	
280-182410-4	BSAG-27	Total/NA	Water	SM 4500 Cl- E	
280-182410-5	BSAG-28	Total/NA	Water	SM 4500 Cl- E	
280-182410-6	BSAG-29	Total/NA	Water	SM 4500 Cl- E	
MB 280-629058/15	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 280-629058/27	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 280-629058/44	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 280-629058/13	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 280-629058/25	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 280-629058/42	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCSD 280-629058/14	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- E	
LCSD 280-629058/26	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- E	
LCSD 280-629058/43	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- E	
280-182410-2 MS	BSAG-12	Total/NA	Water	SM 4500 Cl- E	
280-182410-2 MSD	BSAG-12	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 629215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-2	BSAG-12	Total/NA	Water	SM 2540C	
MB 280-629215/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-629215/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 280-629215/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 629218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182410-1	BSAG-11	Total/NA	Water	SM 2540C	
280-182410-3	BSAG-15	Total/NA	Water	SM 2540C	
280-182410-4	BSAG-27	Total/NA	Water	SM 2540C	
280-182410-5	BSAG-28	Total/NA	Water	SM 2540C	
280-182410-6	BSAG-29	Total/NA	Water	SM 2540C	
MB 280-629218/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-629218/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 280-629218/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182410-1

Client Sample ID: BSAG-11
Date Collected: 10/03/23 10:30
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			629990	10/17/23 07:08	BN	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	629683	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			629986	10/16/23 20:35	ADL	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	629683	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630175	10/18/23 05:33	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	629586	10/13/23 07:42	MSM	EET DEN
Dissolved	Analysis	200.8		1			629953	10/16/23 21:05	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	629758	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.8		1			629954	10/17/23 01:58	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	628849	10/06/23 11:35	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			628769	10/06/23 08:31	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	629218	10/10/23 15:14	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		5	2 mL	2 mL	629058	10/09/23 12:30	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		15	2 mL	2 mL	628912	10/07/23 16:31	SL	EET DEN

Client Sample ID: BSAG-12
Date Collected: 10/03/23 11:30
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			629990	10/17/23 07:12	BN	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	629683	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			629986	10/16/23 20:39	ADL	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	629683	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630175	10/18/23 05:37	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	629586	10/13/23 07:42	MSM	EET DEN
Dissolved	Analysis	200.8		1			629953	10/16/23 21:09	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	629758	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.8		1			629954	10/17/23 02:01	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	628849	10/06/23 11:41	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			628769	10/06/23 08:38	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	629215	10/10/23 15:05	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	629058	10/09/23 12:21	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		10	2 mL	2 mL	628912	10/07/23 16:04	SL	EET DEN

Client Sample ID: BSAG-15
Date Collected: 10/03/23 13:45
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			629990	10/17/23 07:16	BN	EET DEN

Client Sample ID: BSAG-15

Lab Sample ID: 280-182410-3

Date Collected: 10/03/23 13:45

Matrix: Water

Date Received: 10/04/23 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			50 mL	50 mL	629683	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			629986	10/16/23 20:43	ADL	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	629683	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630175	10/18/23 05:41	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	629586	10/13/23 07:42	MSM	EET DEN
Dissolved	Analysis	200.8		1			629953	10/16/23 21:12	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	629758	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.8		1			629954	10/17/23 02:05	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	628849	10/06/23 11:47	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			628769	10/06/23 08:46	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	629218	10/10/23 15:14	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		5	2 mL	2 mL	629058	10/09/23 12:30	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		20	2 mL	2 mL	628912	10/07/23 16:28	SL	EET DEN

Client Sample ID: BSAG-27

Lab Sample ID: 280-182410-4

Date Collected: 10/03/23 14:50

Matrix: Water

Date Received: 10/04/23 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			629990	10/17/23 07:21	BN	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	629683	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			629986	10/16/23 20:48	ADL	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	629683	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630175	10/18/23 05:45	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	629586	10/13/23 07:42	MSM	EET DEN
Dissolved	Analysis	200.8		1			629953	10/16/23 21:16	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	629758	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.8		1			629954	10/17/23 02:08	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	628849	10/06/23 12:01	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			628769	10/06/23 09:06	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	629218	10/10/23 15:14	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		5	2 mL	2 mL	629058	10/09/23 12:31	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		30	2 mL	2 mL	628912	10/07/23 16:29	SL	EET DEN

Client Sample ID: BSAG-28

Lab Sample ID: 280-182410-5

Date Collected: 10/03/23 16:35

Matrix: Water

Date Received: 10/04/23 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			50 mL	50 mL	629754	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630179	10/17/23 22:16	ADL	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	629754	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.8		1			630119	10/17/23 18:16	LMT	EET DEN

Lab Chronicle

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182410-1

Client Sample ID: BSAG-28

Date Collected: 10/03/23 16:35
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			50 mL	50 mL	629754	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.8		1			630263	10/18/23 14:55	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	628849	10/06/23 12:03	BCR	EET DEN
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	629218	10/10/23 15:14	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		5	2 mL	2 mL	629058	10/09/23 12:32	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		20	2 mL	2 mL	628912	10/07/23 16:28	SL	EET DEN

Client Sample ID: BSAG-29

Date Collected: 10/03/23 15:50
Date Received: 10/04/23 09:35

Lab Sample ID: 280-182410-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			629990	10/17/23 07:25	BN	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	629754	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630179	10/17/23 22:20	ADL	EET DEN
Dissolved	Prep	200.8			50 mL	50 mL	629586	10/13/23 07:42	MSM	EET DEN
Dissolved	Analysis	200.8		1			629953	10/16/23 21:27	LMT	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	629754	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.8		1			629955	10/16/23 19:26	LMT	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	629754	10/16/23 08:55	KMS	EET DEN
Total Recoverable	Analysis	200.8		1			630119	10/17/23 18:23	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	628849	10/06/23 12:05	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			628769	10/06/23 09:14	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	629218	10/10/23 15:14	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		5	2 mL	2 mL	629058	10/09/23 12:32	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		20	2 mL	2 mL	628912	10/07/23 16:29	SL	EET DEN

Laboratory References:

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

Accreditation/Certification Summary

Client: New Mexico Environment Department
Job ID: 280-182410-1
Project/Site: Annual Groundwater, NM

Laboratory: Eurofins Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-23
A2LA	ISO/IEC 17025	2907.01	10-31-23
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-10-24
Arizona	State	AZ0713	12-20-23
Arkansas DEQ	State	19-047-0	05-31-23 *
California	State	2513	01-09-24
Connecticut	State	PH-0686	09-30-24
Florida	NELAP	E87667-57	06-30-24
Georgia	State	4025-011	01-08-24
Illinois	NELAP	2000172019-1	04-30-24
Iowa	State	370	12-01-24
Kansas	NELAP	E-10166	04-30-24
Kentucky (WW)	State	KY98047	12-31-23
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-23 *
Louisiana (All)	NELAP	30785	06-30-24
Minnesota	NELAP	1788752	12-31-23
Nevada	State	CO000262020-1	07-31-24
New Hampshire	NELAP	2053	04-28-24
New Jersey	NELAP	230001	06-30-24
New York	NELAP	59923	03-31-24
North Carolina (WW/SW)	State	358	12-31-23
North Dakota	State	R-034	01-08-24
Oregon	NELAP	4025-019	01-08-24
Pennsylvania	NELAP	013	07-31-24
South Carolina	State	72002001	01-08-24
Texas	NELAP	TX104704183-08-TX	09-30-09 *
USDA	US Federal Programs	P330-20-00065	12-19-25
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-23 *
Virginia	NELAP	460232	06-14-24
Washington	State	C583	08-03-24
West Virginia DEP	State	354	11-30-23
Wisconsin	State	999615430	08-31-24
Wyoming (UST)	A2LA	2907.01	10-31-22 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Amber Rheubottom	Lab PM: McElheny, Megan E	Carrier Tracking No(s):	COC No: 280-133525-36980.1
Client Contact: NM Invoices	Phone: 505 660 2378	E-Mail: Megan.Mcelheny@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 3 2
Company: New Mexico Environment Department - GWQB - MECS	PWSID:			Job #:
Address: PO BOX 5469	Due Date Requested:			
City: Santa Fe	TAT Requested (days):			
State, Zip: NM, 87502	Compliance Project: Δ Yes Δ No			
Phone: 505-660-2378(Tel)	PO #: 41269			
Email: Amber.Rheubottom@env.nm.gov Results	WO #:			
Project Name: Annual Groundwater, NM	Project #: 28025541			
Site: DOE LMTP-A	SSOW#:			

Analysis Requested

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)	200.7 - Diss Metals (Ca, Mg, K, Na, Si)	200.8 - Diss Metals (As, Mo, Se, U)	SM2320B - Alkalinity	353.2 - Nitrogen	2540C - TDS	SM4500 - Sulfate	SM4500 - Chloride	200.7 - Total Metals (Ca, Mg, K, Na, Si)	200.8 - Total Metals (As, Mo, Se, U)	Total Number of containers	Special Instructions/Note:
				Preservation Code:			D	D	N	S	N	N	N	D	D		
BSAG-11	10/3/23	10:20A		Water													
BSAG-12	10/3/23	11:30A		Water													
BSAG-15	10/3/23	1:45PM		Water													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													

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:

Results to Amber Rheubottom

280-182410 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: DOE EDD

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Amber Rheubottom	10/3/23 1600	NMED		10/4/23 0935	EETAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.3, 0.5 IR Temp CF 3

Ver: 01/16/2019

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10/20/2023

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Amber Rheubottom	Lab PM: McElheny, Megan E	Carrier Tracking No(s):	COC No: 280-133525-36980.2
Client Contact: NM Invoices	Phone: 505 660 2379	E-Mail: Megan.Mcelheny@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 2 of 2
Company: New Mexico Environment Department – GWQB- MECS	PWSID:			Job #:

Address: PO BOX 5469	Due Date Requested:	Analysis Requested
City: Santa Fe	TAT Requested (days):	
State, Zip: NM, 87502	Compliance Project: Δ Yes Δ No	
Phone: 505-660-2378(Tel)	PO #: Purchase Order Requested	
Email: gwqb.invoices@state.nm.us Payment Only	WO #:	
Project Name: Annual Groundwater, NM	Project #: 28025541	
Site: DOE UMTRCA	SSOW#:	

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:

Results to Amber Rheubottom

Special Instructions/Note:

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)	200.7 - Diss Metals (Ca, Mg, K, Na, Si)	200.8 - Diss Metals (As, Mo, Se, U)	SM2320B - Alkalinity	353.2 - Nitrogen	2540C - TDS	SM4500 - Sulfate	SM4500 - Chloride	200.7 - Total Metals (Ca, Mg, K, Na, Si)	200.8 - Total Metals (As, Mo, Se, U)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	S	N	N	N	D	D		
BSAG-27	10/3/23	2:50 P		Water			X	X	X	X	X	X	X	X	X		Homestake Charge
BSAG-28	10/3/23	4:25 P		Water						X	X	X	X	X	X		
BSAG-29	10/3/23	3:50 P		Water			X	X	X	X	X	X	X	X	X		
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													
				Water													

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: DOE EDD

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
A. Rheubottom	10/3/23 7:00 P	NMED		10/4/23 0435	ET DEN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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2313357

FedEx Express

Expanded Billable Stamp

Use only for shipments within the U.S. Saturday delivery available.

1 From See optional release signature below.
ORDER: 00875545
NMED-GWQB-MECS
PO BOX 5469
SF NM 87502
DECLARED VALUE $100
PACKAGE WEIGHT
505 660 2379

2 To Shipment will not be accepted if address below is altered.
SAMPLE RECEIVING
EUROFINS DENVER
4955 YARROW ST
ARVADA CO 80002
(303) 736-0100

FedEx Priority Overnight®

Next business morning by 10:30 a.m. Not available to all locations. Please consult the current FedEx Service Guide for specific commitments.

NONREDEEMABLE
Please see back for declared value information and important terms and conditions.

SATURDAY DELIVERY
Shipments tendered on Friday are delivered on Saturday to most locations.

FedEx
TRK# 0667 8180 3783 4685

WED - 04 OCT AA
PRIORITY OVERNIGHT

XS LAAA

80002
CO-US
DEN

3435337 03Oct2023 ABQR 581G9/3D0A/C0B8

280-182410 Waybill

8180 3783 4685

8180 3783 4685

Keep this liner for your records.

SIGNATURE
DATE 10/3/23

Custody Seal

eurofins | Environment Testing TestAmerica

2313354

Overnight

Next business morning by 10:30 a.m. Not available to all locations. Please consult the current FedEx Service Guide for specific commitments.

NONREDEEMABLE
Please see back for declared value information and important terms and conditions.

SATURDAY DELIVERY
Shipments tendered on Friday are delivered on Saturday to most locations.

Saturday delivery available.

N

1 From See optional release signature below.
ORDER: 00875545
NMED GWQB MECS
PO Box 5469
SF NM 87502
DECLARED VALUE $100
PACKAGE WEIGHT
505 660 2379

2 To Shipment will not be accepted if address below is altered.
SAMPLE RECEIVING
EUROFINS DENVER
4955 YARROW ST
ARVADA CO 80002
(303) 736-0100

FedEx
TRK# 0667 8180 3783 4696

WED - 04 OCT AA
PRIORITY OVERNIGHT

XS LAAA

6.3

80002
CO-US
DEN

3435337 03Oct2023 ABQR 581G9/3D0A/C0B8

Login Sample Receipt Checklist

Client: New Mexico Environment Department

Job Number: 280-182410-1

Login Number: 182410
List Number: 1
Creator: Naylis, Patrick J

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.	True	
Cooler Temperature is acceptable.	True	
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)	True	
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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Amber Rheubottom
New Mexico Environment Department
PO BOX 5469
Santa Fe, New Mexico 87502

Generated 10/19/2023 2:39:50 PM

JOB DESCRIPTION

Annual Groundwater, NM

JOB NUMBER

280-182494-1

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

Generated
10/19/2023 2:39:50 PM

Authorized for release by
Megan McElheny, Project Manager I
Megan.Mcelheny@et.eurofinsus.com
(303)736-0100

Table of Contents

Definitions/Glossary

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182494-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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
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

Job ID: 280-182494-1

Laboratory: Eurofins Denver

Narrative

CASE NARRATIVE

Client: New Mexico Environment Department

Project: Annual Groundwater, NM

Report Number: 280-182494-1

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.

RECEIPT
The samples were received on 10/5/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.5º C, 1.7º C and 3.2º C.

DISSOLVED METALS (ICP)
Samples BSAG 13H (280-182494-1), BSAG 26 (280-182494-2), B23 (280-182494-3), B-35 (280-182494-4), B-50 (280-182494-5), BSAG 13 (280-182494-6), BSAG 9 (280-182494-7) and BSAG 350 (280-182494-8) were analyzed for Dissolved metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 10/16/2023 and analyzed on 10/17/2023.

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

TOTAL RECOVERABLE METALS (ICP)
Samples BSAG 13H (280-182494-1), BSAG 26 (280-182494-2), B23 (280-182494-3), B-35 (280-182494-4), B-50 (280-182494-5), BSAG 13 (280-182494-6), BSAG 9 (280-182494-7) and BSAG 350 (280-182494-8) were analyzed for Total Recoverable Metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 10/17/2023 and analyzed on 10/18/2023.

Potassium and Sodium were detected in method blank MB 280-629766/1-A at levels that were above the method detection limit but below the reporting limit. Calcium was detected in method blank MB 280-629883/1-A at a level exceeding the reporting limit. Potassium and Sodium were detected in method blank MB 280-629883/1-A 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.

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

DISSOLVED METALS (ICPMS)
Samples BSAG 13H (280-182494-1), BSAG 26 (280-182494-2), B23 (280-182494-3), B-35 (280-182494-4), B-50 (280-182494-5), BSAG 13 (280-182494-6), BSAG 9 (280-182494-7) and BSAG 350 (280-182494-8) were analyzed for dissolved metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared on 10/16/2023 and analyzed on 10/16/2023 and 10/17/2023.

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

TOTAL RECOVERABLE METALS (ICPMS)
Samples BSAG 13H (280-182494-1), BSAG 26 (280-182494-2), B23 (280-182494-3), B-35 (280-182494-4), B-50 (280-182494-5), BSAG 13 (280-182494-6), BSAG 9 (280-182494-7) and BSAG 350 (280-182494-8) were analyzed for total recoverable metals (ICPMS) in

Job ID: 280-182494-1 (Continued)

Laboratory: Eurofins Denver (Continued)

accordance with EPA Method 200.8. The samples were prepared and analyzed on 10/17/2023.

Arsenic and Uranium were detected in method blank MB 280-629766/1-A 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.

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

ALKALINITY
Samples BSAG 13H (280-182494-1), BSAG 26 (280-182494-2), B23 (280-182494-3), B-35 (280-182494-4), B-50 (280-182494-5), BSAG 13 (280-182494-6), BSAG 9 (280-182494-7) and BSAG 350 (280-182494-8) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 10/07/2023.

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

TOTAL DISSOLVED SOLIDS
Samples BSAG 13H (280-182494-1), BSAG 26 (280-182494-2), B23 (280-182494-3), B-35 (280-182494-4), B-50 (280-182494-5), BSAG 13 (280-182494-6), BSAG 9 (280-182494-7) and BSAG 350 (280-182494-8) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 10/11/2023.

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

NITRATE-NITRITE AS NITROGEN
Samples BSAG 13H (280-182494-1), BSAG 26 (280-182494-2), B23 (280-182494-3), B-35 (280-182494-4), B-50 (280-182494-5), BSAG 13 (280-182494-6), BSAG 9 (280-182494-7) and BSAG 350 (280-182494-8) were analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 10/10/2023.

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

TOTAL CHLORIDE
Samples BSAG 13H (280-182494-1), BSAG 26 (280-182494-2), B23 (280-182494-3), B-35 (280-182494-4), B-50 (280-182494-5), BSAG 13 (280-182494-6), BSAG 9 (280-182494-7) and BSAG 350 (280-182494-8) were analyzed for total chloride in accordance with SM20 4500 Cl-E. The samples were analyzed on 10/09/2023.

Samples BSAG 13H (280-182494-1)[20X], BSAG 26 (280-182494-2)[5X], B-50 (280-182494-5)[5X] and BSAG 9 (280-182494-7)[15X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Due to a high concentration of Chloride in samples: BSAG 13 (280-182494-6), (280-182494-E-6 MS) and (280-182494-E-6 MSD), the matrix spike and matrix spike duplicate (MS/MSD) required a dilution. Because of this dilution, the reagent amount was altered to reflect the correct volume present after dilution.

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

SULFATE
Samples BSAG 13H (280-182494-1), BSAG 26 (280-182494-2), B23 (280-182494-3), B-35 (280-182494-4), B-50 (280-182494-5), BSAG 13 (280-182494-6), BSAG 9 (280-182494-7) and BSAG 350 (280-182494-8) were analyzed for sulfate in accordance with SM 4500 S04 E. The samples were analyzed on 10/07/2023.

Samples BSAG 26 (280-182494-2)[20X], B23 (280-182494-3)[10X], B-35 (280-182494-4)[10X], B-50 (280-182494-5)[20X], BSAG 13 (280-182494-6)[15X], BSAG 9 (280-182494-7)[30X] and BSAG 350 (280-182494-8)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

Detection Summary

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182494-1

Client Sample ID: BSAG 13H — Lab Sample ID: 280-182494-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	3900	B	200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	1700	J B	3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	440		200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	400000	B	1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	4600		500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	3400		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	1200	J B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	370		200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	320000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	4100		500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Uranium	0.057	J	1.0	0.030	ug/L	1		200.8	Total Recoverable
Nitrate Nitrite as N	0.14		0.10	0.044	mg/L	1		353.2	Total/NA
Total Alkalinity as CaCO3	250		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	250		10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	940		20	9.4	mg/L	1		SM 2540C	Total/NA
Chloride	370		40	14	mg/L	20		SM 4500 Cl- E	Total/NA
Sulfate	1.1	J	5.0	0.71	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: BSAG 26 — Lab Sample ID: 280-182494-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	180000	B	200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	6200	B	3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	58000		200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	200000	B	1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	5000		500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	180000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	5500	B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	54000		200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	170000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	4700		500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Arsenic	2.3	J	5.0	0.50	ug/L	1		200.8	Total Recoverable
Molybdenum	0.60	J	2.0	0.37	ug/L	1		200.8	Total Recoverable
Selenium	3.2	J	5.0	1.0	ug/L	1		200.8	Total Recoverable
Uranium	10		1.0	0.030	ug/L	1		200.8	Total Recoverable
Arsenic	2.0	J B	5.0	0.50	ug/L	1		200.8	Dissolved
Molybdenum	0.78	J	2.0	0.37	ug/L	1		200.8	Dissolved
Selenium	3.6	J	5.0	1.0	ug/L	1		200.8	Dissolved
Uranium	9.7		1.0	0.030	ug/L	1		200.8	Dissolved
Nitrate Nitrite as N	1.6		0.10	0.044	mg/L	1		353.2	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: BSAG 26 (Continued)

Lab Sample ID: 280-182494-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Alkalinity as CaCO3	380		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	380		10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	1400		20	9.4	mg/L	1		SM 2540C	Total/NA
Chloride	120		10	3.4	mg/L	5		SM 4500 Cl- E	Total/NA
Sulfate	540		100	14	mg/L	20		SM 4500 SO4 E	Total/NA

Client Sample ID: B23

Lab Sample ID: 280-182494-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	82000	B	200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	3100	B	3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	31000		200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	36000	B	1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	8500		500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	78000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	2500	J B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	29000		200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	31000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	7900		500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Arsenic	2.1	J	5.0	0.50	ug/L	1		200.8	Total Recoverable
Molybdenum	2.6		2.0	0.37	ug/L	1		200.8	Total Recoverable
Selenium	6.7		5.0	1.0	ug/L	1		200.8	Total Recoverable
Uranium	4.5		1.0	0.030	ug/L	1		200.8	Total Recoverable
Arsenic	2.2	J B	5.0	0.50	ug/L	1		200.8	Dissolved
Molybdenum	2.7		2.0	0.37	ug/L	1		200.8	Dissolved
Selenium	6.7		5.0	1.0	ug/L	1		200.8	Dissolved
Uranium	4.0		1.0	0.030	ug/L	1		200.8	Dissolved
Nitrate Nitrite as N	2.7		0.10	0.044	mg/L	1		353.2	Total/NA
Total Alkalinity as CaCO3	220		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	220		10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	470		10	4.7	mg/L	1		SM 2540C	Total/NA
Chloride	21		2.0	0.68	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	150		50	7.1	mg/L	10		SM 4500 SO4 E	Total/NA

Client Sample ID: B-35

Lab Sample ID: 280-182494-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	98000	B	200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	3400	B	3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	32000		200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	45000	B	1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-35 (Continued)

Lab Sample ID: 280-182494-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Silicon	9000		500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	93000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	2800	J B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	30000		200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	39000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	8400		500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Arsenic	2.1	J	5.0	0.50	ug/L	1		200.8	Total Recoverable
Molybdenum	1.8	J	2.0	0.37	ug/L	1		200.8	Total Recoverable
Selenium	8.4		5.0	1.0	ug/L	1		200.8	Total Recoverable
Uranium	3.8		1.0	0.030	ug/L	1		200.8	Total Recoverable
Arsenic	2.0	J B	5.0	0.50	ug/L	1		200.8	Dissolved
Molybdenum	1.8	J	2.0	0.37	ug/L	1		200.8	Dissolved
Selenium	9.1		5.0	1.0	ug/L	1		200.8	Dissolved
Uranium	3.6		1.0	0.030	ug/L	1		200.8	Dissolved
Nitrate Nitrite as N	2.8		0.10	0.044	mg/L	1		353.2	Total/NA
Total Alkalinity as CaCO3	220		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	220		10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	550		10	4.7	mg/L	1		SM 2540C	Total/NA
Chloride	20		2.0	0.68	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	210		50	7.1	mg/L	10		SM 4500 SO4 E	Total/NA

Client Sample ID: B-50

Lab Sample ID: 280-182494-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	170000	B	200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	4900	B	3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	47000		200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	100000	B	1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	9500		500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	160000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	4200	B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	43000		200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	88000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	8900		500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Arsenic	2.6	J	5.0	0.50	ug/L	1		200.8	Total Recoverable
Molybdenum	1.0	J	2.0	0.37	ug/L	1		200.8	Total Recoverable
Selenium	11		5.0	1.0	ug/L	1		200.8	Total Recoverable
Uranium	14		1.0	0.030	ug/L	1		200.8	Total Recoverable
Arsenic	2.6	J B	5.0	0.50	ug/L	1		200.8	Dissolved
Molybdenum	1.0	J	2.0	0.37	ug/L	1		200.8	Dissolved
Selenium	12		5.0	1.0	ug/L	1		200.8	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-50 (Continued)

Lab Sample ID: 280-182494-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	12		1.0	0.030	ug/L	1		200.8	Dissolved
Nitrate Nitrite as N	3.3		0.10	0.044	mg/L	1		353.2	Total/NA
Total Alkalinity as CaCO3	270		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	270		10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	1100		20	9.4	mg/L	1		SM 2540C	Total/NA
Chloride	64		10	3.4	mg/L	5		SM 4500 Cl- E	Total/NA
Sulfate	460		100	14	mg/L	20		SM 4500 SO4 E	Total/NA

Client Sample ID: BSAG 13

Lab Sample ID: 280-182494-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	4000	B	200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	1700	J B	3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	450		200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	400000	B	1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	4800		500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	4000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	1100	J B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	450		200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	350000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	4600		500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Arsenic	2.7	J	5.0	0.50	ug/L	1		200.8	Total Recoverable
Molybdenum	11		2.0	0.37	ug/L	1		200.8	Total Recoverable
Selenium	22		5.0	1.0	ug/L	1		200.8	Total Recoverable
Uranium	33		1.0	0.030	ug/L	1		200.8	Total Recoverable
Arsenic	2.9	J B	5.0	0.50	ug/L	1		200.8	Dissolved
Molybdenum	11		2.0	0.37	ug/L	1		200.8	Dissolved
Selenium	22		5.0	1.0	ug/L	1		200.8	Dissolved
Uranium	29		1.0	0.030	ug/L	1		200.8	Dissolved
Nitrate Nitrite as N	0.36		0.10	0.044	mg/L	1		353.2	Total/NA
Total Alkalinity as CaCO3	310		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	220		10	3.1	mg/L	1		SM 2320B	Total/NA
Carbonate Alkalinity as CaCO3	85		10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	1100		20	9.4	mg/L	1		SM 2540C	Total/NA
Chloride	32		2.0	0.68	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	460		75	11	mg/L	15		SM 4500 SO4 E	Total/NA

Client Sample ID: BSAG 9

Lab Sample ID: 280-182494-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	13000	B	200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	2100	J B	3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	1100		200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: BSAG 9 (Continued)

Lab Sample ID: 280-182494-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	850000	B	1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	5100		500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	13000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	1400	J B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	1100		200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	740000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	5000		500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Molybdenum	35		2.0	0.37	ug/L	1		200.8	Total Recoverable
Uranium	0.84	J	1.0	0.030	ug/L	1		200.8	Total Recoverable
Molybdenum	38		2.0	0.37	ug/L	1		200.8	Dissolved
Uranium	0.89	J	1.0	0.030	ug/L	1		200.8	Dissolved
Total Alkalinity as CaCO3	290		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	290		10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	2200		40	19	mg/L	1		SM 2540C	Total/NA
Chloride	530		30	10	mg/L	15		SM 4500 Cl- E	Total/NA
Sulfate	710		150	21	mg/L	30		SM 4500 SO4 E	Total/NA

Client Sample ID: BSAG 350

Lab Sample ID: 280-182494-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	98000	B	200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	3500	B	3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	32000		200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	45000	B	1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	9000		500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	91000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	2900	J B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	29000		200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	39000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	8200		500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Arsenic	2.0	J	5.0	0.50	ug/L	1		200.8	Total Recoverable
Molybdenum	2.0		2.0	0.37	ug/L	1		200.8	Total Recoverable
Selenium	9.7		5.0	1.0	ug/L	1		200.8	Total Recoverable
Uranium	4.0		1.0	0.030	ug/L	1		200.8	Total Recoverable
Arsenic	2.2	J B	5.0	0.50	ug/L	1		200.8	Dissolved
Molybdenum	1.9	J	2.0	0.37	ug/L	1		200.8	Dissolved
Selenium	9.2		5.0	1.0	ug/L	1		200.8	Dissolved
Uranium	3.4		1.0	0.030	ug/L	1		200.8	Dissolved
Nitrate Nitrite as N	2.9		0.10	0.044	mg/L	1		353.2	Total/NA
Total Alkalinity as CaCO3	220		10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	220		10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	560		10	4.7	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: BSAG 350 (Continued)

Lab Sample ID: 280-182494-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	20		2.0	0.68	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	210		50	7.1	mg/L	10		SM 4500 SO4 E	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182494-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET DEN
200.8	Metals (ICP/MS)	EPA	EET DEN
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET DEN
SM 2320B	Alkalinity	SM	EET DEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DEN
SM 4500 Cl- E	Chloride, Total	SM	EET DEN
SM 4500 SO4 E	Sulfate, Total	SM	EET DEN
200.7	Preparation, Total Recoverable Metals	EPA	EET DEN
200.8	Preparation, Total Recoverable Metals	EPA	EET DEN

Protocol References:

EPA = US Environmental Protection Agency

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: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182494-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-182494-1	BSAG 13H	Water	10/04/23 14:15	10/05/23 10:00
280-182494-2	BSAG 26	Water	10/04/23 16:45	10/05/23 10:00
280-182494-3	B23	Water	10/04/23 11:30	10/05/23 10:00
280-182494-4	B-35	Water	10/04/23 10:30	10/05/23 10:00
280-182494-5	B-50	Water	10/04/23 10:20	10/05/23 10:00
280-182494-6	BSAG 13	Water	10/04/23 14:10	10/05/23 10:00
280-182494-7	BSAG 9	Water	10/04/23 15:15	10/05/23 10:00
280-182494-8	BSAG 350	Water	10/04/23 11:00	10/05/23 10:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Client Sample ID: BSAG 13H
Date Collected: 10/04/23 14:15
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	3900	B	200	24	ug/L		10/17/23 08:55	10/18/23 10:59	1
Potassium	1700	J B	3000	240	ug/L		10/17/23 08:55	10/18/23 10:59	1
Magnesium	440		200	4.2	ug/L		10/17/23 08:55	10/18/23 10:59	1
Sodium	400000	B	1000	97	ug/L		10/17/23 08:55	10/18/23 10:59	1
Silicon	4600		500	16	ug/L		10/17/23 08:55	10/18/23 10:59	1

Client Sample ID: BSAG 26
Date Collected: 10/04/23 16:45
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	180000	B	200	24	ug/L		10/17/23 08:55	10/18/23 11:03	1
Potassium	6200	B	3000	240	ug/L		10/17/23 08:55	10/18/23 11:03	1
Magnesium	58000		200	4.2	ug/L		10/17/23 08:55	10/18/23 11:03	1
Sodium	200000	B	1000	97	ug/L		10/17/23 08:55	10/18/23 11:03	1
Silicon	5000		500	16	ug/L		10/17/23 08:55	10/18/23 11:03	1

Client Sample ID: B23
Date Collected: 10/04/23 11:30
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	82000	B	200	24	ug/L		10/17/23 08:55	10/18/23 11:07	1
Potassium	3100	B	3000	240	ug/L		10/17/23 08:55	10/18/23 11:07	1
Magnesium	31000		200	4.2	ug/L		10/17/23 08:55	10/18/23 11:07	1
Sodium	36000	B	1000	97	ug/L		10/17/23 08:55	10/18/23 11:07	1
Silicon	8500		500	16	ug/L		10/17/23 08:55	10/18/23 11:07	1

Client Sample ID: B-35
Date Collected: 10/04/23 10:30
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	98000	B	200	24	ug/L		10/17/23 08:55	10/18/23 11:11	1
Potassium	3400	B	3000	240	ug/L		10/17/23 08:55	10/18/23 11:11	1
Magnesium	32000		200	4.2	ug/L		10/17/23 08:55	10/18/23 11:11	1
Sodium	45000	B	1000	97	ug/L		10/17/23 08:55	10/18/23 11:11	1
Silicon	9000		500	16	ug/L		10/17/23 08:55	10/18/23 11:11	1

Client Sample ID: B-50
Date Collected: 10/04/23 10:20
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	170000	B	200	24	ug/L		10/17/23 08:55	10/18/23 11:15	1
Potassium	4900	B	3000	240	ug/L		10/17/23 08:55	10/18/23 11:15	1
Magnesium	47000		200	4.2	ug/L		10/17/23 08:55	10/18/23 11:15	1
Sodium	100000	B	1000	97	ug/L		10/17/23 08:55	10/18/23 11:15	1
Silicon	9500		500	16	ug/L		10/17/23 08:55	10/18/23 11:15	1

Client Sample ID: BSAG 13
Date Collected: 10/04/23 14:10
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	4000	B	200	24	ug/L		10/17/23 08:55	10/18/23 11:19	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable (Continued)

Client Sample ID: BSAG 13
Date Collected: 10/04/23 14:10
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1700	J B	3000	240	ug/L		10/17/23 08:55	10/18/23 11:19	1
Magnesium	450		200	4.2	ug/L		10/17/23 08:55	10/18/23 11:19	1
Sodium	400000	B	1000	97	ug/L		10/17/23 08:55	10/18/23 11:19	1
Silicon	4800		500	16	ug/L		10/17/23 08:55	10/18/23 11:19	1

Client Sample ID: BSAG 9
Date Collected: 10/04/23 15:15
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	13000	B	200	24	ug/L		10/17/23 08:55	10/18/23 11:35	1
Potassium	2100	J B	3000	240	ug/L		10/17/23 08:55	10/18/23 11:35	1
Magnesium	1100		200	4.2	ug/L		10/17/23 08:55	10/18/23 11:35	1
Sodium	850000	B	1000	97	ug/L		10/17/23 08:55	10/18/23 11:35	1
Silicon	5100		500	16	ug/L		10/17/23 08:55	10/18/23 11:35	1

Client Sample ID: BSAG 350
Date Collected: 10/04/23 11:00
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	98000	B	200	24	ug/L		10/17/23 08:55	10/18/23 11:40	1
Potassium	3500	B	3000	240	ug/L		10/17/23 08:55	10/18/23 11:40	1
Magnesium	32000		200	4.2	ug/L		10/17/23 08:55	10/18/23 11:40	1
Sodium	45000	B	1000	97	ug/L		10/17/23 08:55	10/18/23 11:40	1
Silicon	9000		500	16	ug/L		10/17/23 08:55	10/18/23 11:40	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Client Sample ID: BSAG 13H
Date Collected: 10/04/23 14:15
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	3400		200	24	ug/L		10/16/23 08:55	10/17/23 07:37	1
Potassium	1200	J B	3000	240	ug/L		10/16/23 08:55	10/17/23 07:37	1
Magnesium	370		200	4.2	ug/L		10/16/23 08:55	10/17/23 07:37	1
Sodium	320000	B	1000	97	ug/L		10/16/23 08:55	10/17/23 07:37	1
Silicon	4100		500	16	ug/L		10/16/23 08:55	10/17/23 07:37	1

Client Sample ID: BSAG 26
Date Collected: 10/04/23 16:45
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	180000		200	24	ug/L		10/16/23 08:55	10/17/23 07:41	1
Potassium	5500	B	3000	240	ug/L		10/16/23 08:55	10/17/23 07:41	1
Magnesium	54000		200	4.2	ug/L		10/16/23 08:55	10/17/23 07:41	1
Sodium	170000	B	1000	97	ug/L		10/16/23 08:55	10/17/23 07:41	1
Silicon	4700		500	16	ug/L		10/16/23 08:55	10/17/23 07:41	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Client Sample ID: B23
Date Collected: 10/04/23 11:30
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	78000		200	24	ug/L		10/16/23 08:55	10/17/23 07:57	1
Potassium	2500	J B	3000	240	ug/L		10/16/23 08:55	10/17/23 07:57	1
Magnesium	29000		200	4.2	ug/L		10/16/23 08:55	10/17/23 07:57	1
Sodium	31000	B	1000	97	ug/L		10/16/23 08:55	10/17/23 07:57	1
Silicon	7900		500	16	ug/L		10/16/23 08:55	10/17/23 07:57	1

Client Sample ID: B-35
Date Collected: 10/04/23 10:30
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	93000		200	24	ug/L		10/16/23 08:55	10/17/23 08:01	1
Potassium	2800	J B	3000	240	ug/L		10/16/23 08:55	10/17/23 08:01	1
Magnesium	30000		200	4.2	ug/L		10/16/23 08:55	10/17/23 08:01	1
Sodium	39000	B	1000	97	ug/L		10/16/23 08:55	10/17/23 08:01	1
Silicon	8400		500	16	ug/L		10/16/23 08:55	10/17/23 08:01	1

Client Sample ID: B-50
Date Collected: 10/04/23 10:20
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	160000		200	24	ug/L		10/16/23 08:55	10/17/23 08:05	1
Potassium	4200	B	3000	240	ug/L		10/16/23 08:55	10/17/23 08:05	1
Magnesium	43000		200	4.2	ug/L		10/16/23 08:55	10/17/23 08:05	1
Sodium	88000	B	1000	97	ug/L		10/16/23 08:55	10/17/23 08:05	1
Silicon	8900		500	16	ug/L		10/16/23 08:55	10/17/23 08:05	1

Client Sample ID: BSAG 13
Date Collected: 10/04/23 14:10
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	4000		200	24	ug/L		10/16/23 08:55	10/17/23 08:09	1
Potassium	1100	J B	3000	240	ug/L		10/16/23 08:55	10/17/23 08:09	1
Magnesium	450		200	4.2	ug/L		10/16/23 08:55	10/17/23 08:09	1
Sodium	350000	B	1000	97	ug/L		10/16/23 08:55	10/17/23 08:09	1
Silicon	4600		500	16	ug/L		10/16/23 08:55	10/17/23 08:09	1

Client Sample ID: BSAG 9
Date Collected: 10/04/23 15:15
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	13000		200	24	ug/L		10/16/23 08:55	10/17/23 08:13	1
Potassium	1400	J B	3000	240	ug/L		10/16/23 08:55	10/17/23 08:13	1
Magnesium	1100		200	4.2	ug/L		10/16/23 08:55	10/17/23 08:13	1
Sodium	740000	B	1000	97	ug/L		10/16/23 08:55	10/17/23 08:13	1
Silicon	5000		500	16	ug/L		10/16/23 08:55	10/17/23 08:13	1

Client Sample ID: BSAG 350
Date Collected: 10/04/23 11:00
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	91000		200	24	ug/L		10/16/23 08:55	10/17/23 08:18	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved (Continued)

Client Sample ID: BSAG 350
Date Collected: 10/04/23 11:00
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	2900	J B	3000	240	ug/L		10/16/23 08:55	10/17/23 08:18	1
Magnesium	29000		200	4.2	ug/L		10/16/23 08:55	10/17/23 08:18	1
Sodium	39000	B	1000	97	ug/L		10/16/23 08:55	10/17/23 08:18	1
Silicon	8200		500	16	ug/L		10/16/23 08:55	10/17/23 08:18	1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: BSAG 13H
Date Collected: 10/04/23 14:15
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		10/17/23 10:13	10/17/23 22:58	1
Molybdenum	ND		2.0	0.37	ug/L		10/17/23 10:13	10/17/23 22:58	1
Selenium	ND		5.0	1.0	ug/L		10/17/23 10:13	10/17/23 22:58	1
Uranium	0.057	J	1.0	0.030	ug/L		10/17/23 10:13	10/17/23 22:58	1

Client Sample ID: BSAG 26
Date Collected: 10/04/23 16:45
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.3	J	5.0	0.50	ug/L		10/17/23 10:13	10/17/23 23:01	1
Molybdenum	0.60	J	2.0	0.37	ug/L		10/17/23 10:13	10/17/23 23:01	1
Selenium	3.2	J	5.0	1.0	ug/L		10/17/23 10:13	10/17/23 23:01	1
Uranium	10		1.0	0.030	ug/L		10/17/23 10:13	10/17/23 23:01	1

Client Sample ID: B23
Date Collected: 10/04/23 11:30
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1	J	5.0	0.50	ug/L		10/17/23 10:13	10/17/23 23:05	1
Molybdenum	2.6		2.0	0.37	ug/L		10/17/23 10:13	10/17/23 23:05	1
Selenium	6.7		5.0	1.0	ug/L		10/17/23 10:13	10/17/23 23:05	1
Uranium	4.5		1.0	0.030	ug/L		10/17/23 10:13	10/17/23 23:05	1

Client Sample ID: B-35
Date Collected: 10/04/23 10:30
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1	J	5.0	0.50	ug/L		10/17/23 10:13	10/17/23 23:08	1
Molybdenum	1.8	J	2.0	0.37	ug/L		10/17/23 10:13	10/17/23 23:08	1
Selenium	8.4		5.0	1.0	ug/L		10/17/23 10:13	10/17/23 23:08	1
Uranium	3.8		1.0	0.030	ug/L		10/17/23 10:13	10/17/23 23:08	1

Client Sample ID: B-50
Date Collected: 10/04/23 10:20
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.6	J	5.0	0.50	ug/L		10/17/23 10:13	10/17/23 23:12	1
Molybdenum	1.0	J	2.0	0.37	ug/L		10/17/23 10:13	10/17/23 23:12	1
Selenium	11		5.0	1.0	ug/L		10/17/23 10:13	10/17/23 23:12	1
Uranium	14		1.0	0.030	ug/L		10/17/23 10:13	10/17/23 23:12	1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: BSAG 13
Date Collected: 10/04/23 14:10
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.7**	**J**	5.0	0.50	ug/L		10/17/23 10:13	10/17/23 23:15	1
Molybdenum	**11**		2.0	0.37	ug/L		10/17/23 10:13	10/17/23 23:15	1
Selenium	**22**		5.0	1.0	ug/L		10/17/23 10:13	10/17/23 23:15	1
Uranium	**33**		1.0	0.030	ug/L		10/17/23 10:13	10/17/23 23:15	1

Client Sample ID: BSAG 9
Date Collected: 10/04/23 15:15
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		10/17/23 10:13	10/17/23 23:19	1
Molybdenum	**35**		2.0	0.37	ug/L		10/17/23 10:13	10/17/23 23:19	1
Selenium	ND		5.0	1.0	ug/L		10/17/23 10:13	10/17/23 23:19	1
Uranium	**0.84**	**J**	1.0	0.030	ug/L		10/17/23 10:13	10/17/23 23:19	1

Client Sample ID: BSAG 350
Date Collected: 10/04/23 11:00
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.0**	**J**	5.0	0.50	ug/L		10/17/23 10:13	10/17/23 23:30	1
Molybdenum	**2.0**		2.0	0.37	ug/L		10/17/23 10:13	10/17/23 23:30	1
Selenium	**9.7**		5.0	1.0	ug/L		10/17/23 10:13	10/17/23 23:30	1
Uranium	**4.0**		1.0	0.030	ug/L		10/17/23 10:13	10/17/23 23:30	1

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

Client Sample ID: BSAG 13H
Date Collected: 10/04/23 14:15
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		10/16/23 08:55	10/17/23 19:19	1
Molybdenum	ND		2.0	0.37	ug/L		10/16/23 08:55	10/17/23 19:19	1
Selenium	ND		5.0	1.0	ug/L		10/16/23 08:55	10/17/23 19:19	1
Uranium	ND		1.0	0.030	ug/L		10/16/23 08:55	10/16/23 20:21	1

Client Sample ID: BSAG 26
Date Collected: 10/04/23 16:45
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.0**	**J B**	5.0	0.50	ug/L		10/16/23 08:55	10/17/23 19:21	1
Molybdenum	**0.78**	**J**	2.0	0.37	ug/L		10/16/23 08:55	10/17/23 19:21	1
Selenium	**3.6**	**J**	5.0	1.0	ug/L		10/16/23 08:55	10/17/23 19:21	1
Uranium	**9.7**		1.0	0.030	ug/L		10/16/23 08:55	10/16/23 20:24	1

Client Sample ID: B23
Date Collected: 10/04/23 11:30
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.2**	**J B**	5.0	0.50	ug/L		10/16/23 08:55	10/17/23 19:23	1
Molybdenum	**2.7**		2.0	0.37	ug/L		10/16/23 08:55	10/17/23 19:23	1
Selenium	**6.7**		5.0	1.0	ug/L		10/16/23 08:55	10/17/23 19:23	1
Uranium	**4.0**		1.0	0.030	ug/L		10/16/23 08:55	10/16/23 20:26	1

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

Client Sample ID: B-35
Date Collected: 10/04/23 10:30
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	J B	5.0	0.50	ug/L		10/16/23 08:55	10/17/23 19:25	1
Molybdenum	1.8	J	2.0	0.37	ug/L		10/16/23 08:55	10/17/23 19:25	1
Selenium	9.1		5.0	1.0	ug/L		10/16/23 08:55	10/17/23 19:25	1
Uranium	3.6		1.0	0.030	ug/L		10/16/23 08:55	10/16/23 20:28	1

Client Sample ID: B-50
Date Collected: 10/04/23 10:20
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.6	J B	5.0	0.50	ug/L		10/16/23 08:55	10/17/23 19:28	1
Molybdenum	1.0	J	2.0	0.37	ug/L		10/16/23 08:55	10/17/23 19:28	1
Selenium	12		5.0	1.0	ug/L		10/16/23 08:55	10/17/23 19:28	1
Uranium	12		1.0	0.030	ug/L		10/16/23 08:55	10/16/23 20:30	1

Client Sample ID: BSAG 13
Date Collected: 10/04/23 14:10
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.9	J B	5.0	0.50	ug/L		10/16/23 08:55	10/17/23 19:30	1
Molybdenum	11		2.0	0.37	ug/L		10/16/23 08:55	10/17/23 19:30	1
Selenium	22		5.0	1.0	ug/L		10/16/23 08:55	10/17/23 19:30	1
Uranium	29		1.0	0.030	ug/L		10/16/23 08:55	10/16/23 20:33	1

Client Sample ID: BSAG 9
Date Collected: 10/04/23 15:15
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		10/16/23 08:55	10/17/23 19:32	1
Molybdenum	38		2.0	0.37	ug/L		10/16/23 08:55	10/17/23 19:32	1
Selenium	ND		5.0	1.0	ug/L		10/16/23 08:55	10/17/23 19:32	1
Uranium	0.89	J	1.0	0.030	ug/L		10/16/23 08:55	10/16/23 20:35	1

Client Sample ID: BSAG 350
Date Collected: 10/04/23 11:00
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2	J B	5.0	0.50	ug/L		10/16/23 08:55	10/17/23 19:39	1
Molybdenum	1.9	J	2.0	0.37	ug/L		10/16/23 08:55	10/17/23 19:39	1
Selenium	9.2		5.0	1.0	ug/L		10/16/23 08:55	10/17/23 19:39	1
Uranium	3.4		1.0	0.030	ug/L		10/16/23 08:55	10/16/23 20:42	1

General Chemistry

Client Sample ID: BSAG 13H
Date Collected: 10/04/23 14:15
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	0.14		0.10	0.044	mg/L			10/10/23 16:08	1
Total Alkalinity as CaCO3 (SM 2320B)	250		10	3.1	mg/L			10/07/23 09:02	1

General Chemistry (Continued)

Client Sample ID: BSAG 13H
Date Collected: 10/04/23 14:15
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	250		10	3.1	mg/L			10/07/23 09:02	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/07/23 09:02	1
Total Dissolved Solids (TDS) (SM 2540C)	940		20	9.4	mg/L			10/11/23 15:15	1
Chloride (SM 4500 Cl- E)	370		40	14	mg/L			10/09/23 12:39	20
Sulfate (SM 4500 SO4 E)	1.1	J	5.0	0.71	mg/L			10/07/23 15:32	1

Client Sample ID: BSAG 26
Date Collected: 10/04/23 16:45
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	1.6		0.10	0.044	mg/L			10/10/23 16:10	1
Total Alkalinity as CaCO3 (SM 2320B)	380		10	3.1	mg/L			10/07/23 09:17	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	380		10	3.1	mg/L			10/07/23 09:17	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/07/23 09:17	1
Total Dissolved Solids (TDS) (SM 2540C)	1400		20	9.4	mg/L			10/11/23 15:15	1
Chloride (SM 4500 Cl- E)	120		10	3.4	mg/L			10/09/23 12:29	5
Sulfate (SM 4500 SO4 E)	540		100	14	mg/L			10/07/23 16:26	20

Client Sample ID: B23
Date Collected: 10/04/23 11:30
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	2.7		0.10	0.044	mg/L			10/10/23 16:12	1
Total Alkalinity as CaCO3 (SM 2320B)	220		10	3.1	mg/L			10/07/23 09:23	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	220		10	3.1	mg/L			10/07/23 09:23	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/07/23 09:23	1
Total Dissolved Solids (TDS) (SM 2540C)	470		10	4.7	mg/L			10/11/23 15:14	1
Chloride (SM 4500 Cl- E)	21		2.0	0.68	mg/L			10/09/23 12:19	1
Sulfate (SM 4500 SO4 E)	150		50	7.1	mg/L			10/07/23 15:50	10

Client Sample ID: B-35
Date Collected: 10/04/23 10:30
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	2.8		0.10	0.044	mg/L			10/10/23 16:14	1
Total Alkalinity as CaCO3 (SM 2320B)	220		10	3.1	mg/L			10/07/23 09:30	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	220		10	3.1	mg/L			10/07/23 09:30	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/07/23 09:30	1
Total Dissolved Solids (TDS) (SM 2540C)	550		10	4.7	mg/L			10/11/23 15:14	1

General Chemistry (Continued)

Client Sample ID: B-35
Date Collected: 10/04/23 10:30
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	20		2.0	0.68	mg/L			10/09/23 12:19	1
Sulfate (SM 4500 SO4 E)	210		50	7.1	mg/L			10/07/23 15:50	10

Client Sample ID: B-50
Date Collected: 10/04/23 10:20
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	3.3		0.10	0.044	mg/L			10/10/23 16:16	1
Total Alkalinity as CaCO3 (SM 2320B)	270		10	3.1	mg/L			10/07/23 09:37	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	270		10	3.1	mg/L			10/07/23 09:37	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/07/23 09:37	1
Total Dissolved Solids (TDS) (SM 2540C)	1100		20	9.4	mg/L			10/11/23 15:15	1
Chloride (SM 4500 Cl- E)	64		10	3.4	mg/L			10/09/23 12:29	5
Sulfate (SM 4500 SO4 E)	460		100	14	mg/L			10/07/23 16:27	20

Client Sample ID: BSAG 13
Date Collected: 10/04/23 14:10
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	0.36		0.10	0.044	mg/L			10/10/23 16:18	1
Total Alkalinity as CaCO3 (SM 2320B)	310		10	3.1	mg/L			10/07/23 09:45	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	220		10	3.1	mg/L			10/07/23 09:45	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	85		10	3.1	mg/L			10/07/23 09:45	1
Total Dissolved Solids (TDS) (SM 2540C)	1100		20	9.4	mg/L			10/11/23 15:15	1
Chloride (SM 4500 Cl- E)	32		2.0	0.68	mg/L			10/09/23 12:19	1
Sulfate (SM 4500 SO4 E)	460		75	11	mg/L			10/07/23 16:30	15

Client Sample ID: BSAG 9
Date Collected: 10/04/23 15:15
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.044	mg/L			10/10/23 16:20	1
Total Alkalinity as CaCO3 (SM 2320B)	290		10	3.1	mg/L			10/07/23 09:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	290		10	3.1	mg/L			10/07/23 09:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/07/23 09:52	1
Total Dissolved Solids (TDS) (SM 2540C)	2200		40	19	mg/L			10/11/23 15:15	1
Chloride (SM 4500 Cl- E)	530		30	10	mg/L			10/09/23 12:36	15
Sulfate (SM 4500 SO4 E)	710		150	21	mg/L			10/07/23 16:27	30

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182494-1

General Chemistry

Client Sample ID: BSAG 350
Date Collected: 10/04/23 11:00
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	**2.9**		0.10	0.044	mg/L			10/10/23 16:22	1
Total Alkalinity as CaCO3 (SM 2320B)	**220**		10	3.1	mg/L			10/07/23 09:59	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**220**		10	3.1	mg/L			10/07/23 09:59	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/07/23 09:59	1
Total Dissolved Solids (TDS) (SM 2540C)	**560**		10	4.7	mg/L			10/11/23 15:14	1
Chloride (SM 4500 Cl- E)	**20**		2.0	0.68	mg/L			10/09/23 12:20	1
Sulfate (SM 4500 SO4 E)	**210**		50	7.1	mg/L			10/07/23 15:58	10

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-629766/1-A
Matrix: Water
Analysis Batch: 629990

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 629766

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		200	24	ug/L		10/16/23 08:55	10/17/23 06:11	1
Potassium	262	J	3000	240	ug/L		10/16/23 08:55	10/17/23 06:11	1
Magnesium	ND		200	4.2	ug/L		10/16/23 08:55	10/17/23 06:11	1
Sodium	128	J	1000	97	ug/L		10/16/23 08:55	10/17/23 06:11	1
Silicon	ND		500	16	ug/L		10/16/23 08:55	10/17/23 06:11	1

Lab Sample ID: LCS 280-629766/2-A
Matrix: Water
Analysis Batch: 629990

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 629766

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50000	48100		ug/L		96	90 - 111
Potassium	50000	46300		ug/L		93	89 - 114
Magnesium	50000	46100		ug/L		92	90 - 113
Sodium	50000	46200		ug/L		92	90 - 115
Silicon	10000	9190		ug/L		92	85 - 115

Lab Sample ID: LCSD 280-629766/3-A
Matrix: Water
Analysis Batch: 629990

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 629766

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	50000	47800		ug/L		96	90 - 111	1	20
Potassium	50000	46000		ug/L		92	89 - 114	1	20
Magnesium	50000	45600		ug/L		91	90 - 113	1	20
Sodium	50000	46000		ug/L		92	90 - 115	1	20
Silicon	10000	9040		ug/L		90	85 - 115	2	20

Lab Sample ID: MB 280-629883/1-A
Matrix: Water
Analysis Batch: 630240

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 629883

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	30.0	J	200	24	ug/L		10/17/23 08:55	10/18/23 10:47	1
Potassium	541	J	3000	240	ug/L		10/17/23 08:55	10/18/23 10:47	1
Magnesium	ND		200	4.2	ug/L		10/17/23 08:55	10/18/23 10:47	1
Sodium	241	J	1000	97	ug/L		10/17/23 08:55	10/18/23 10:47	1
Silicon	ND		500	16	ug/L		10/17/23 08:55	10/18/23 10:47	1

Lab Sample ID: LCS 280-629883/2-A
Matrix: Water
Analysis Batch: 630240

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 629883

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50000	49900		ug/L		100	90 - 111
Potassium	50000	51000		ug/L		102	89 - 114
Magnesium	50000	49500		ug/L		99	90 - 113
Sodium	50000	52500		ug/L		105	90 - 115
Silicon	10000	9660		ug/L		97	85 - 115

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCSD 280-629883/3-A
Matrix: Water
Analysis Batch: 630240

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 629883

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium			50000	49800		ug/L		100	90 - 111	0	20
Potassium			50000	50700		ug/L		101	89 - 114	1	20
Magnesium			50000	49500		ug/L		99	90 - 113	0	20
Sodium			50000	52300		ug/L		105	90 - 115	0	20
Silicon			10000	9680		ug/L		97	85 - 115	0	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-629766/1-A
Matrix: Water
Analysis Batch: 629955

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 629766

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		1.0	0.030	ug/L		10/16/23 08:55	10/16/23 20:15	1

Lab Sample ID: MB 280-629766/1-A
Matrix: Water
Analysis Batch: 630119

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 629766

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.515	J	5.0	0.50	ug/L		10/16/23 08:55	10/17/23 19:12	1
Molybdenum	ND		2.0	0.37	ug/L		10/16/23 08:55	10/17/23 19:12	1
Selenium	ND		5.0	1.0	ug/L		10/16/23 08:55	10/17/23 19:12	1
Uranium	0.173	J	1.0	0.030	ug/L		10/16/23 08:55	10/17/23 19:12	1

Lab Sample ID: LCS 280-629766/28-A
Matrix: Water
Analysis Batch: 629955

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 629766

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium			40.0	35.0		ug/L		87	85 - 115		

Lab Sample ID: LCS 280-629766/28-A
Matrix: Water
Analysis Batch: 630119

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 629766

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			40.0	38.8		ug/L		97	89 - 111		
Molybdenum			40.0	39.7		ug/L		99	89 - 112		
Selenium			40.0	39.0		ug/L		98	85 - 114		
Uranium			40.0	40.2		ug/L		101	85 - 115		

Lab Sample ID: LCSD 280-629766/29-A
Matrix: Water
Analysis Batch: 629955

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 629766

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium			40.0	35.3		ug/L		88	85 - 115	1	20

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

Lab Sample ID: LCSD 280-629766/29-A
Matrix: Water
Analysis Batch: 630119

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 629766

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			40.0	38.4		ug/L		96	89 - 111	1	20
Molybdenum			40.0	39.8		ug/L		99	89 - 112	0	20
Selenium			40.0	39.9		ug/L		100	85 - 114	2	20
Uranium			40.0	39.1		ug/L		98	85 - 115	3	20

Lab Sample ID: MB 280-629875/1-A
Matrix: Water
Analysis Batch: 630118

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 629875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		10/17/23 10:13	10/17/23 22:15	1
Molybdenum	ND		2.0	0.37	ug/L		10/17/23 10:13	10/17/23 22:15	1
Selenium	ND		5.0	1.0	ug/L		10/17/23 10:13	10/17/23 22:15	1
Uranium	ND		1.0	0.030	ug/L		10/17/23 10:13	10/17/23 22:15	1

Lab Sample ID: LCS 280-629875/2-A
Matrix: Water
Analysis Batch: 630118

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 629875

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic			40.0	38.3		ug/L		96	89 - 111
Molybdenum			40.0	39.8		ug/L		99	89 - 112
Selenium			40.0	37.0		ug/L		93	85 - 114
Uranium			40.0	38.6		ug/L		97	85 - 115

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-629378/60
Matrix: Water
Analysis Batch: 629378

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.044	mg/L			10/10/23 15:43	1

Lab Sample ID: LCS 280-629378/59
Matrix: Water
Analysis Batch: 629378

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N			5.00	5.05		mg/L		101	90 - 110

Lab Sample ID: 280-182494-8 MS
Matrix: Water
Analysis Batch: 629378

Client Sample ID: BSAG 350
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	2.9		4.00	6.71		mg/L		96	90 - 110

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

Lab Sample ID: 280-182494-8 MSD
Matrix: Water
Analysis Batch: 629378

Client Sample ID: BSAG 350
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	2.9		4.00	6.68		mg/L		95	90 - 110	0	10

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 280-629032/109
Matrix: Water
Analysis Batch: 629032

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			10/07/23 08:54	1
Bicarbonate Alkalinity as CaCO3	ND		10	3.1	mg/L			10/07/23 08:54	1
Carbonate Alkalinity as CaCO3	ND		10	3.1	mg/L			10/07/23 08:54	1

Lab Sample ID: LCS 280-629032/108
Matrix: Water
Analysis Batch: 629032

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	204		mg/L		102	89 - 110		

Lab Sample ID: 280-182494-1 DU
Matrix: Water
Analysis Batch: 629032

Client Sample ID: BSAG 13H
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3	250			259		mg/L				2	10
Bicarbonate Alkalinity as CaCO3	250			259		mg/L				2	20
Carbonate Alkalinity as CaCO3	ND			ND		mg/L				NC	20

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

Lab Sample ID: MB 280-629391/1
Matrix: Water
Analysis Batch: 629391

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			10/11/23 15:13	1

Lab Sample ID: LCS 280-629391/2
Matrix: Water
Analysis Batch: 629391

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)			506	496		mg/L		98	88 - 114		

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

Lab Sample ID: LCSD 280-629391/3
Matrix: Water
Analysis Batch: 629391

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)			506	510		mg/L		101	88 - 114	3	20

Lab Sample ID: MB 280-629392/1
Matrix: Water
Analysis Batch: 629392

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			10/11/23 15:15	1

Lab Sample ID: LCS 280-629392/2
Matrix: Water
Analysis Batch: 629392

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)			506	513		mg/L		101	88 - 114		

Lab Sample ID: LCSD 280-629392/3
Matrix: Water
Analysis Batch: 629392

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)			506	507		mg/L		100	88 - 114	1	20

Lab Sample ID: 280-182494-1 DU
Matrix: Water
Analysis Batch: 629392

Client Sample ID: BSAG 13H
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids (TDS)	940			964		mg/L				3	10

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 280-629058/15
Matrix: Water
Analysis Batch: 629058

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			10/09/23 12:19	1

Lab Sample ID: MB 280-629058/27
Matrix: Water
Analysis Batch: 629058

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			10/09/23 12:23	1

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: MB 280-629058/44
Matrix: Water
Analysis Batch: 629058

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			10/09/23 12:34	1

Lab Sample ID: LCS 280-629058/13
Matrix: Water
Analysis Batch: 629058

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	19.7		mg/L		99	90 - 110

Lab Sample ID: LCS 280-629058/25
Matrix: Water
Analysis Batch: 629058

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	19.4		mg/L		97	90 - 110

Lab Sample ID: LCS 280-629058/42
Matrix: Water
Analysis Batch: 629058

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	19.9		mg/L		100	90 - 110

Lab Sample ID: LCSD 280-629058/14
Matrix: Water
Analysis Batch: 629058

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	19.2		mg/L		96	90 - 110	3	10

Lab Sample ID: LCSD 280-629058/26
Matrix: Water
Analysis Batch: 629058

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	19.4		mg/L		97	90 - 110	0	10

Lab Sample ID: LCSD 280-629058/43
Matrix: Water
Analysis Batch: 629058

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	19.9		mg/L		100	90 - 110	0	10

Lab Sample ID: 280-182494-6 MS
Matrix: Water
Analysis Batch: 629058

Client Sample ID: BSAG 13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	37		20.0	58.3		mg/L		106	90 - 110

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: 280-182494-6 MSD
Matrix: Water
Analysis Batch: 629058

Client Sample ID: BSAG 13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	37		20.0	57.8		mg/L		104	90 - 110	1	10

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 280-628912/14
Matrix: Water
Analysis Batch: 628912

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			10/07/23 15:32	1

Lab Sample ID: MB 280-628912/30
Matrix: Water
Analysis Batch: 628912

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			10/07/23 15:37	1

Lab Sample ID: MB 280-628912/44
Matrix: Water
Analysis Batch: 628912

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			10/07/23 15:57	1

Lab Sample ID: LCS 280-628912/12
Matrix: Water
Analysis Batch: 628912

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	26.0		mg/L		104	90 - 110

Lab Sample ID: LCS 280-628912/28
Matrix: Water
Analysis Batch: 628912

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	26.1		mg/L		104	90 - 110

Lab Sample ID: LCS 280-628912/42
Matrix: Water
Analysis Batch: 628912

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	26.4		mg/L		106	90 - 110

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: LCSD 280-628912/13
Matrix: Water
Analysis Batch: 628912

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	25.8		mg/L		103	90 - 110	1	10

Lab Sample ID: LCSD 280-628912/29
Matrix: Water
Analysis Batch: 628912

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	25.9		mg/L		104	90 - 110	1	10

Lab Sample ID: LCSD 280-628912/43
Matrix: Water
Analysis Batch: 628912

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	26.4		mg/L		106	90 - 110	0	10

Lab Sample ID: 280-182494-1 MS
Matrix: Water
Analysis Batch: 628912

Client Sample ID: BSAG 13H
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	1.1	J	25.0	27.7		mg/L		106	90 - 110		

Lab Sample ID: 280-182494-1 MSD
Matrix: Water
Analysis Batch: 628912

Client Sample ID: BSAG 13H
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	1.1	J	25.0	27.3		mg/L		105	90 - 110	2	10

Metals

Prep Batch: 629766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182494-1	BSAG 13H	Dissolved	Water	200.7	
280-182494-2	BSAG 26	Dissolved	Water	200.7	
280-182494-3	B23	Dissolved	Water	200.7	
280-182494-4	B-35	Dissolved	Water	200.7	
280-182494-5	B-50	Dissolved	Water	200.7	
280-182494-6	BSAG 13	Dissolved	Water	200.7	
280-182494-7	BSAG 9	Dissolved	Water	200.7	
280-182494-8	BSAG 350	Dissolved	Water	200.7	
MB 280-629766/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 280-629766/28-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCS 280-629766/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 280-629766/29-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	
LCSD 280-629766/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	

Prep Batch: 629875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182494-1	BSAG 13H	Total Recoverable	Water	200.8	
280-182494-2	BSAG 26	Total Recoverable	Water	200.8	
280-182494-3	B23	Total Recoverable	Water	200.8	
280-182494-4	B-35	Total Recoverable	Water	200.8	
280-182494-5	B-50	Total Recoverable	Water	200.8	
280-182494-6	BSAG 13	Total Recoverable	Water	200.8	
280-182494-7	BSAG 9	Total Recoverable	Water	200.8	
280-182494-8	BSAG 350	Total Recoverable	Water	200.8	
MB 280-629875/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 280-629875/2-A	Lab Control Sample	Total Recoverable	Water	200.8	

Prep Batch: 629883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182494-1	BSAG 13H	Total Recoverable	Water	200.7	
280-182494-2	BSAG 26	Total Recoverable	Water	200.7	
280-182494-3	B23	Total Recoverable	Water	200.7	
280-182494-4	B-35	Total Recoverable	Water	200.7	
280-182494-5	B-50	Total Recoverable	Water	200.7	
280-182494-6	BSAG 13	Total Recoverable	Water	200.7	
280-182494-7	BSAG 9	Total Recoverable	Water	200.7	
280-182494-8	BSAG 350	Total Recoverable	Water	200.7	
MB 280-629883/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 280-629883/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 280-629883/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	

Analysis Batch: 629955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182494-1	BSAG 13H	Dissolved	Water	200.8	629766
280-182494-2	BSAG 26	Dissolved	Water	200.8	629766
280-182494-3	B23	Dissolved	Water	200.8	629766
280-182494-4	B-35	Dissolved	Water	200.8	629766
280-182494-5	B-50	Dissolved	Water	200.8	629766
280-182494-6	BSAG 13	Dissolved	Water	200.8	629766
280-182494-7	BSAG 9	Dissolved	Water	200.8	629766
280-182494-8	BSAG 350	Dissolved	Water	200.8	629766

Metals (Continued)

Analysis Batch: 629955 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-629766/1-A	Method Blank	Total Recoverable	Water	200.8	629766
LCS 280-629766/28-A	Lab Control Sample	Total Recoverable	Water	200.8	629766
LCSD 280-629766/29-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	629766

Analysis Batch: 629990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182494-1	BSAG 13H	Dissolved	Water	200.7 Rev 4.4	629766
280-182494-2	BSAG 26	Dissolved	Water	200.7 Rev 4.4	629766
280-182494-3	B23	Dissolved	Water	200.7 Rev 4.4	629766
280-182494-4	B-35	Dissolved	Water	200.7 Rev 4.4	629766
280-182494-5	B-50	Dissolved	Water	200.7 Rev 4.4	629766
280-182494-6	BSAG 13	Dissolved	Water	200.7 Rev 4.4	629766
280-182494-7	BSAG 9	Dissolved	Water	200.7 Rev 4.4	629766
280-182494-8	BSAG 350	Dissolved	Water	200.7 Rev 4.4	629766
MB 280-629766/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	629766
LCS 280-629766/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	629766
LCSD 280-629766/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	629766

Analysis Batch: 630118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182494-1	BSAG 13H	Total Recoverable	Water	200.8	629875
280-182494-2	BSAG 26	Total Recoverable	Water	200.8	629875
280-182494-3	B23	Total Recoverable	Water	200.8	629875
280-182494-4	B-35	Total Recoverable	Water	200.8	629875
280-182494-5	B-50	Total Recoverable	Water	200.8	629875
280-182494-6	BSAG 13	Total Recoverable	Water	200.8	629875
280-182494-7	BSAG 9	Total Recoverable	Water	200.8	629875
280-182494-8	BSAG 350	Total Recoverable	Water	200.8	629875
MB 280-629875/1-A	Method Blank	Total Recoverable	Water	200.8	629875
LCS 280-629875/2-A	Lab Control Sample	Total Recoverable	Water	200.8	629875

Analysis Batch: 630119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182494-1	BSAG 13H	Dissolved	Water	200.8	629766
280-182494-2	BSAG 26	Dissolved	Water	200.8	629766
280-182494-3	B23	Dissolved	Water	200.8	629766
280-182494-4	B-35	Dissolved	Water	200.8	629766
280-182494-5	B-50	Dissolved	Water	200.8	629766
280-182494-6	BSAG 13	Dissolved	Water	200.8	629766
280-182494-7	BSAG 9	Dissolved	Water	200.8	629766
280-182494-8	BSAG 350	Dissolved	Water	200.8	629766
MB 280-629766/1-A	Method Blank	Total Recoverable	Water	200.8	629766
LCS 280-629766/28-A	Lab Control Sample	Total Recoverable	Water	200.8	629766
LCSD 280-629766/29-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	629766

Analysis Batch: 630240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182494-1	BSAG 13H	Total Recoverable	Water	200.7 Rev 4.4	629883
280-182494-2	BSAG 26	Total Recoverable	Water	200.7 Rev 4.4	629883
280-182494-3	B23	Total Recoverable	Water	200.7 Rev 4.4	629883
280-182494-4	B-35	Total Recoverable	Water	200.7 Rev 4.4	629883

Metals (Continued)

Analysis Batch: 630240 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182494-5	B-50	Total Recoverable	Water	200.7 Rev 4.4	629883
280-182494-6	BSAG 13	Total Recoverable	Water	200.7 Rev 4.4	629883
280-182494-7	BSAG 9	Total Recoverable	Water	200.7 Rev 4.4	629883
280-182494-8	BSAG 350	Total Recoverable	Water	200.7 Rev 4.4	629883
MB 280-629883/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	629883
LCS 280-629883/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	629883
LCSD 280-629883/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	629883

General Chemistry

Analysis Batch: 628912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182494-1	BSAG 13H	Total/NA	Water	SM 4500 SO4 E	
280-182494-2	BSAG 26	Total/NA	Water	SM 4500 SO4 E	
280-182494-3	B23	Total/NA	Water	SM 4500 SO4 E	
280-182494-4	B-35	Total/NA	Water	SM 4500 SO4 E	
280-182494-5	B-50	Total/NA	Water	SM 4500 SO4 E	
280-182494-6	BSAG 13	Total/NA	Water	SM 4500 SO4 E	
280-182494-7	BSAG 9	Total/NA	Water	SM 4500 SO4 E	
280-182494-8	BSAG 350	Total/NA	Water	SM 4500 SO4 E	
MB 280-628912/14	Method Blank	Total/NA	Water	SM 4500 SO4 E	
MB 280-628912/30	Method Blank	Total/NA	Water	SM 4500 SO4 E	
MB 280-628912/44	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 280-628912/12	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCS 280-628912/28	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCS 280-628912/42	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCSD 280-628912/13	Lab Control Sample Dup	Total/NA	Water	SM 4500 SO4 E	
LCSD 280-628912/29	Lab Control Sample Dup	Total/NA	Water	SM 4500 SO4 E	
LCSD 280-628912/43	Lab Control Sample Dup	Total/NA	Water	SM 4500 SO4 E	
280-182494-1 MS	BSAG 13H	Total/NA	Water	SM 4500 SO4 E	
280-182494-1 MSD	BSAG 13H	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 629032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182494-1	BSAG 13H	Total/NA	Water	SM 2320B	
280-182494-2	BSAG 26	Total/NA	Water	SM 2320B	
280-182494-3	B23	Total/NA	Water	SM 2320B	
280-182494-4	B-35	Total/NA	Water	SM 2320B	
280-182494-5	B-50	Total/NA	Water	SM 2320B	
280-182494-6	BSAG 13	Total/NA	Water	SM 2320B	
280-182494-7	BSAG 9	Total/NA	Water	SM 2320B	
280-182494-8	BSAG 350	Total/NA	Water	SM 2320B	
MB 280-629032/109	Method Blank	Total/NA	Water	SM 2320B	
LCS 280-629032/108	Lab Control Sample	Total/NA	Water	SM 2320B	
280-182494-1 DU	BSAG 13H	Total/NA	Water	SM 2320B	

Analysis Batch: 629058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182494-1	BSAG 13H	Total/NA	Water	SM 4500 Cl- E	
280-182494-2	BSAG 26	Total/NA	Water	SM 4500 Cl- E	
280-182494-3	B23	Total/NA	Water	SM 4500 Cl- E	

General Chemistry (Continued)

Analysis Batch: 629058 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182494-4	B-35	Total/NA	Water	SM 4500 Cl- E	
280-182494-5	B-50	Total/NA	Water	SM 4500 Cl- E	
280-182494-6	BSAG 13	Total/NA	Water	SM 4500 Cl- E	
280-182494-7	BSAG 9	Total/NA	Water	SM 4500 Cl- E	
280-182494-8	BSAG 350	Total/NA	Water	SM 4500 Cl- E	
MB 280-629058/15	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 280-629058/27	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 280-629058/44	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 280-629058/13	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 280-629058/25	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 280-629058/42	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCSD 280-629058/14	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- E	
LCSD 280-629058/26	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- E	
LCSD 280-629058/43	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- E	
280-182494-6 MS	BSAG 13	Total/NA	Water	SM 4500 Cl- E	
280-182494-6 MSD	BSAG 13	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 629378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182494-1	BSAG 13H	Total/NA	Water	353.2	
280-182494-2	BSAG 26	Total/NA	Water	353.2	
280-182494-3	B23	Total/NA	Water	353.2	
280-182494-4	B-35	Total/NA	Water	353.2	
280-182494-5	B-50	Total/NA	Water	353.2	
280-182494-6	BSAG 13	Total/NA	Water	353.2	
280-182494-7	BSAG 9	Total/NA	Water	353.2	
280-182494-8	BSAG 350	Total/NA	Water	353.2	
MB 280-629378/60	Method Blank	Total/NA	Water	353.2	
LCS 280-629378/59	Lab Control Sample	Total/NA	Water	353.2	
280-182494-8 MS	BSAG 350	Total/NA	Water	353.2	
280-182494-8 MSD	BSAG 350	Total/NA	Water	353.2	

Analysis Batch: 629391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182494-3	B23	Total/NA	Water	SM 2540C	
280-182494-4	B-35	Total/NA	Water	SM 2540C	
280-182494-8	BSAG 350	Total/NA	Water	SM 2540C	
MB 280-629391/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-629391/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 280-629391/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 629392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182494-1	BSAG 13H	Total/NA	Water	SM 2540C	
280-182494-2	BSAG 26	Total/NA	Water	SM 2540C	
280-182494-5	B-50	Total/NA	Water	SM 2540C	
280-182494-6	BSAG 13	Total/NA	Water	SM 2540C	
280-182494-7	BSAG 9	Total/NA	Water	SM 2540C	
MB 280-629392/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-629392/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 280-629392/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 629392 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182494-1 DU	BSAG 13H	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182494-1

Client Sample ID: BSAG 13H

Lab Sample ID: 280-182494-1

Date Collected: 10/04/23 14:15

Matrix: Water

Date Received: 10/05/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			629990	10/17/23 07:37	BN	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	629883	10/17/23 08:55	CAF	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630240	10/18/23 10:59	ADL	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.8		1			629955	10/16/23 20:21	LMT	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.8		1			630119	10/17/23 19:19	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	629875	10/17/23 10:13	AMH	EET DEN
Total Recoverable	Analysis	200.8		1			630118	10/17/23 22:58	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	629378	10/10/23 16:08	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			629032	10/07/23 09:02	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	629392	10/11/23 15:15	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		20	2 mL	2 mL	629058	10/09/23 12:39	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		1	2 mL	2 mL	628912	10/07/23 15:32	SL	EET DEN

Client Sample ID: BSAG 26

Lab Sample ID: 280-182494-2

Date Collected: 10/04/23 16:45

Matrix: Water

Date Received: 10/05/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			629990	10/17/23 07:41	BN	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	629883	10/17/23 08:55	CAF	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630240	10/18/23 11:03	ADL	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.8		1			629955	10/16/23 20:24	LMT	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.8		1			630119	10/17/23 19:21	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	629875	10/17/23 10:13	AMH	EET DEN
Total Recoverable	Analysis	200.8		1			630118	10/17/23 23:01	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	629378	10/10/23 16:10	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			629032	10/07/23 09:17	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	629392	10/11/23 15:15	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		5	2 mL	2 mL	629058	10/09/23 12:29	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		20	2 mL	2 mL	628912	10/07/23 16:26	SL	EET DEN

Client Sample ID: B23

Lab Sample ID: 280-182494-3

Date Collected: 10/04/23 11:30

Matrix: Water

Date Received: 10/05/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			629990	10/17/23 07:57	BN	EET DEN

Lab Chronicle

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182494-1

Client Sample ID: B23

Date Collected: 10/04/23 11:30
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			50 mL	50 mL	629883	10/17/23 08:55	CAF	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630240	10/18/23 11:07	ADL	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.8		1			629955	10/16/23 20:26	LMT	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.8		1			630119	10/17/23 19:23	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	629875	10/17/23 10:13	AMH	EET DEN
Total Recoverable	Analysis	200.8		1			630118	10/17/23 23:05	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	629378	10/10/23 16:12	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			629032	10/07/23 09:23	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	629391	10/11/23 15:14	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	629058	10/09/23 12:19	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		10	2 mL	2 mL	628912	10/07/23 15:50	SL	EET DEN

Client Sample ID: B-35

Date Collected: 10/04/23 10:30
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			629990	10/17/23 08:01	BN	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	629883	10/17/23 08:55	CAF	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630240	10/18/23 11:11	ADL	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.8		1			629955	10/16/23 20:28	LMT	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.8		1			630119	10/17/23 19:25	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	629875	10/17/23 10:13	AMH	EET DEN
Total Recoverable	Analysis	200.8		1			630118	10/17/23 23:08	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	629378	10/10/23 16:14	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			629032	10/07/23 09:30	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	629391	10/11/23 15:14	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	629058	10/09/23 12:19	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		10	2 mL	2 mL	628912	10/07/23 15:50	SL	EET DEN

Client Sample ID: B-50

Date Collected: 10/04/23 10:20
Date Received: 10/05/23 10:00

Lab Sample ID: 280-182494-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			629990	10/17/23 08:05	BN	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	629883	10/17/23 08:55	CAF	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630240	10/18/23 11:15	ADL	EET DEN

Client Sample ID: B-50

Lab Sample ID: 280-182494-5

Date Collected: 10/04/23 10:20

Matrix: Water

Date Received: 10/05/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.8		1			629955	10/16/23 20:30	LMT	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.8		1			630119	10/17/23 19:28	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	629875	10/17/23 10:13	AMH	EET DEN
Total Recoverable	Analysis	200.8		1			630118	10/17/23 23:12	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	629378	10/10/23 16:16	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			629032	10/07/23 09:37	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	629392	10/11/23 15:15	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		5	2 mL	2 mL	629058	10/09/23 12:29	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		20	2 mL	2 mL	628912	10/07/23 16:27	SL	EET DEN

Client Sample ID: BSAG 13

Lab Sample ID: 280-182494-6

Date Collected: 10/04/23 14:10

Matrix: Water

Date Received: 10/05/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			629990	10/17/23 08:09	BN	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	629883	10/17/23 08:55	CAF	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630240	10/18/23 11:19	ADL	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.8		1			629955	10/16/23 20:33	LMT	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.8		1			630119	10/17/23 19:30	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	629875	10/17/23 10:13	AMH	EET DEN
Total Recoverable	Analysis	200.8		1			630118	10/17/23 23:15	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	629378	10/10/23 16:18	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			629032	10/07/23 09:45	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	629392	10/11/23 15:15	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	629058	10/09/23 12:19	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		15	2 mL	2 mL	628912	10/07/23 16:30	SL	EET DEN

Client Sample ID: BSAG 9

Lab Sample ID: 280-182494-7

Date Collected: 10/04/23 15:15

Matrix: Water

Date Received: 10/05/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			629990	10/17/23 08:13	BN	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	629883	10/17/23 08:55	CAF	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630240	10/18/23 11:35	ADL	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.8		1			629955	10/16/23 20:35	LMT	EET DEN

Client Sample ID: BSAG 9

Lab Sample ID: 280-182494-7

Date Collected: 10/04/23 15:15

Matrix: Water

Date Received: 10/05/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.8		1			630119	10/17/23 19:32	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	629875	10/17/23 10:13	AMH	EET DEN
Total Recoverable	Analysis	200.8		1			630118	10/17/23 23:19	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	629378	10/10/23 16:20	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			629032	10/07/23 09:52	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	25 mL	100 mL	629392	10/11/23 15:15	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		15	2 mL	2 mL	629058	10/09/23 12:36	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		30	2 mL	2 mL	628912	10/07/23 16:27	SL	EET DEN

Client Sample ID: BSAG 350

Lab Sample ID: 280-182494-8

Date Collected: 10/04/23 11:00

Matrix: Water

Date Received: 10/05/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			629990	10/17/23 08:18	BN	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	629883	10/17/23 08:55	CAF	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630240	10/18/23 11:40	ADL	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.8		1			629955	10/16/23 20:42	LMT	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	629766	10/16/23 08:55	KMS	EET DEN
Dissolved	Analysis	200.8		1			630119	10/17/23 19:39	LMT	EET DEN
Total Recoverable	Prep	200.8			50 mL	50 mL	629875	10/17/23 10:13	AMH	EET DEN
Total Recoverable	Analysis	200.8		1			630118	10/17/23 23:30	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	629378	10/10/23 16:22	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			629032	10/07/23 09:59	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	629391	10/11/23 15:14	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	629058	10/09/23 12:20	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		10	2 mL	2 mL	628912	10/07/23 15:58	SL	EET DEN

Laboratory References:

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

Accreditation/Certification Summary

Client: New Mexico Environment Department
Job ID: 280-182494-1
Project/Site: Annual Groundwater, NM

Laboratory: Eurofins Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-23
A2LA	ISO/IEC 17025	2907.01	10-31-23
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-10-24
Arizona	State	AZ0713	12-20-23
Arkansas DEQ	State	19-047-0	05-31-23 *
California	State	2513	01-09-24
Connecticut	State	PH-0686	09-30-24
Florida	NELAP	E87667-57	06-30-24
Georgia	State	4025-011	01-08-24
Illinois	NELAP	2000172019-1	04-30-24
Iowa	State	370	12-01-24
Kansas	NELAP	E-10166	04-30-24
Kentucky (WW)	State	KY98047	12-31-23
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-23 *
Louisiana (All)	NELAP	30785	06-30-24
Minnesota	NELAP	1788752	12-31-23
Nevada	State	CO000262020-1	07-31-24
New Hampshire	NELAP	2053	04-28-24
New Jersey	NELAP	230001	06-30-24
New York	NELAP	59923	03-31-24
North Carolina (WW/SW)	State	358	12-31-23
North Dakota	State	R-034	01-08-24
Oregon	NELAP	4025-019	01-08-24
Pennsylvania	NELAP	013	07-31-24
South Carolina	State	72002001	01-08-24
Texas	NELAP	TX104704183-08-TX	09-30-09 *
USDA	US Federal Programs	P330-20-00065	12-19-25
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-23 *
Virginia	NELAP	460232	06-14-24
Washington	State	C583	08-03-24
West Virginia DEP	State	354	11-30-23
Wisconsin	State	999615430	08-31-24
Wyoming (UST)	A2LA	2907.01	10-31-22 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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

Chain of Custody Record

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Client Information	Sampler: Amber Rheubottom	Lab PM: McElheny, Megan E	Carrier Tracking No(s):	COC No: 280-133525-36980.3
Client Contact: NM Invoices	Phone: 505 660 2379	E-Mail: Megan.Mcelheny@et.eurofinsus.com	State of Origin:	Page: Page 1 of 3
Company: New Mexico Environment Department GWQB MECS	PWSID:			Job #:
Address: PO BOX 5469	Due Date Requested:			
City: Santa Fe	TAT Requested (days):			
State, Zip: NM, 87502	Compliance Project: Δ Yes Δ No			
Phone: 505-660-2378(Tel)	PO #: Purchase Order Requested			
Email: gwqb.invoices@state.nm.us Payment Only	WO #:			
Project Name: Annual Groundwater, NM	Project #: 28025541			
Site: DOE UMTRCA	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:

Special Instructions/Note: Send Results to Amber Rheubottom

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)	200.7 - Diss Metals (Ca, Mg, K, Na, Si)	200.8 - Diss Metals (As, Mo, Se, U)	SM2320B - Alkalinity	353.2 - Nitrogen	2540C - TDS	SM4500 - Sulfate	SM4500 - Chloride	200.7 - Total Metals (Ca, Mg, K, Na, Si)	200.8 - Total Metals (As, Mo, Se, U)	Total Number of containers
			Preservation Code:				D	D	N	S	N	N	N	D	D	
35AG 13H	10/4/23	2:15p		Water			1	1	1	1	1	1	1	1	1	8
35AG 26	10/4/23	4:45p		Water			1	1	1	1	1	1	1	1	1	8
				Water												

280-182494 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: DOE EDD

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Amber Rheubottom	10/4/23 5:00 PM			10/5/23 1000	EEN DEN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.9, 1.4, 0.2 IR Meter CF 0.3

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing

Client Information

Client Contact: NM Invoices	Sampler: Amber Rheubottom	Lab PM: McElheny, Megan E	Carrier Tracking No(s):
Company: New Mexico Environment Department	Phone: 505 660 2379	E-Mail: Megan.Mcelheny@et.eurofinsus.com	State of Origin:
Address: PO BOX 5469	PWSID:	COC No: 280-133525-36980.3	Page: Page 3 of 3
City: Santa Fe	Due Date Requested:	Job #:	
State, Zip: NM, 87502	TAT Requested (days):		
Phone: 505-660-2378(Tel)	Compliance Project: Δ Yes Δ No		
Email: gwqb.invoices@state.nm.us — Payment Only	PO #: Purchase Order Requested		
Project Name: Annual Groundwater, NM	WO #:		
Site: DOE UMTRCA	Project #: 28025541		
	SSOW#:		

Analysis Requested

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)	200.7 - Diss Metals (Ca, Mg, K, Na, Si)	200.8 - Diss Metals (As, Mo, Se, U)	SM2320B - Alkalinity	353.2 - Nitrogen	2540C - TDS	SM4500 - Sulfate	SM4500 - Chloride	200.7 - Total Metals (Ca, Mg, K, Na, Si)	200.8 - Total Metals (As, Mo, Se, U)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N	S	N	N	N	D	D		
B23	10/4/23	11:30		Water			✓	✓	✓	✓	✓	✓	✓	✓	✓		
B-35	10/4/23	10:30		Water			✓	✓	✓	✓	✓	✓	✓	✓	✓		
B-50	10/4/23	10:20		Water			✓	✓	✓	✓	✓	✓	✓	✓	✓		

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:

Send Results to Amber Rheubottom

Special Instructions/Note:

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: DOE EDD

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Amber Rheubottom	Date/Time: 10/4/23 5:00 PM	Company	Received by: [signature]	Date/Time: 10/5/23 1000	Company: EETDEN
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
Relinquished by	Date/Time	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Amber Rhorbottom	Lab PM: McElheny, Megan E	Carrier Tracking No(s):	COC No: 280-133525-36980.3
Client Contact: NM Invoices	Phone: 505 660 2379	E-Mail: Megan.Mcelheny@et.eurofinsus.com	State of Origin:	Page: Page 2 of 3
Company: New Mexico Environment Department GWQB MES	PWSID:			Job #:
Address: PO BOX 5469	Due Date Requested:			
City: Santa Fe	TAT Requested (days):			
State, Zip: NM, 87502	Compliance Project: Δ Yes Δ No			
Phone: 505-660-2378(Tel)	PO #: Purchase Order Requested			
Email: gwqb.invoices@state.nm.us Payment Only	WO #:			
Project Name: Annual Groundwater, NM	Project #: 28025541			
Site: DOE UMTRCA	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:

Send Results to Amber Rhorbottom

Special Instructions/Note:

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)	200.7 - Diss Metals (Ca, Mg, K, Na, Si)	200.8 - Diss Metals (As, Mo, Se, U)	SM2320B - Alkalinity	353.2 - Nitrogen	2540C - TDS	SM4500 - Sulfate	SM4500 - Chloride	200.7 - Total Metals (Ca, Mg, K, Na, Si)	200.8 - Total Metals (As, Mo, Se, U)	Total Number of containers
			Preservation Code:				D	D	N	S	N	N	N	D	D	
BSAG 13	10/4/23	2:10P		Water												
BSAG 9	10/4/23	3:15P		Water												
BSAG 3550	10/4/23	11:00A		Water												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

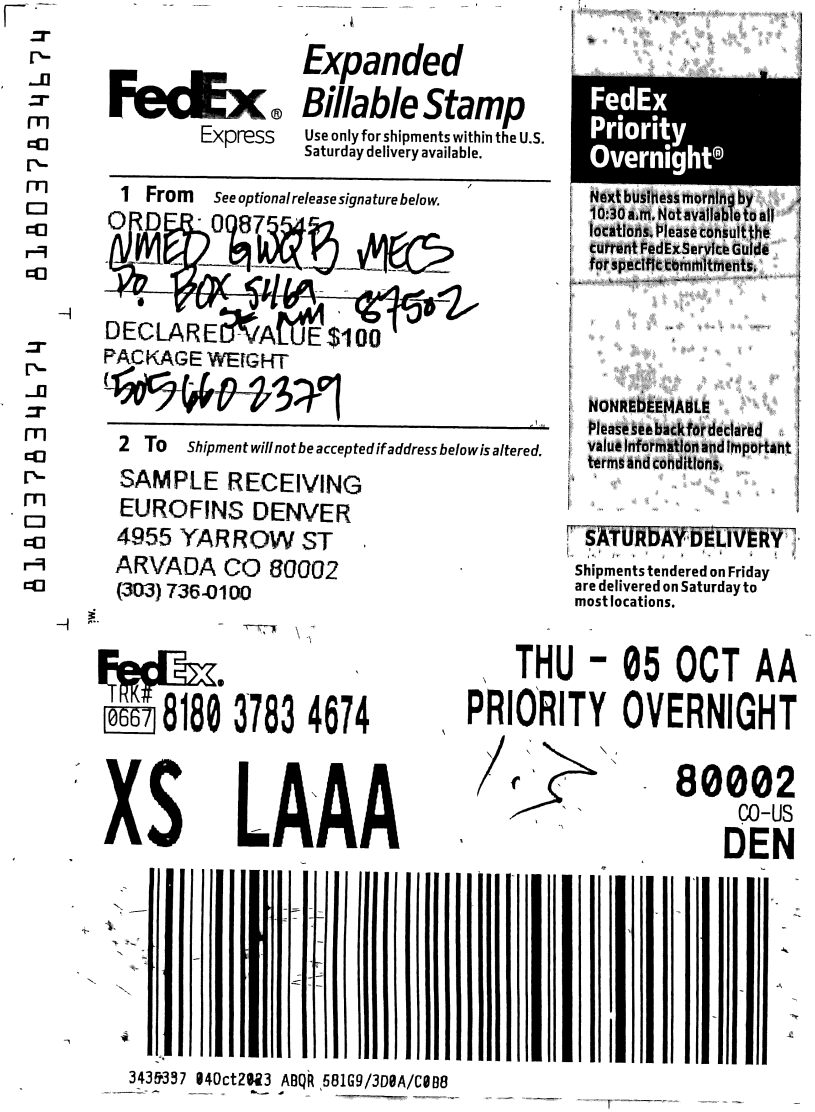
Special Instructions/QC Requirements: DOE EDD

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Amber Rhorbottom	10/4/23 5:00 PM			10/5/23 1000	EEN
2	Relinquished by	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019



FedEx Express

Expanded Billable Stamp

Use only for shipments within the U.S. Saturday delivery available.

1 From *See optional release signature below.*

ORDER 00875545
NMED GWQB MECS
PO BOX 5469
ST NM 87502
DECLARED VALUE $100
PACKAGE WEIGHT
505660 2379

2 To *Shipment will not be accepted if address below is altered.*

SAMPLE RECEIVING
EUROFINS DENVER
4955 YARROW ST
ARVADA CO 80002
(303) 736-0100

FedEx Priority Overnight®

Next business morning by 10:30 a.m. Not available to all locations. Please consult the current FedEx Service Guide for specific commitments.

NONREDEEMABLE

Please see back for declared value information and important terms and conditions.

SATURDAY DELIVERY

Shipments tendered on Friday are delivered on Saturday to most locations.

FedEx TRK# 0667 8180 3783 4674

THU - 05 OCT AA
PRIORITY OVERNIGHT

XS LAAA

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CO-US
DEN

3435397 040ct2023 ABQR 581G9/3D0A/C0B8

8180 3783 4674

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FedEx TRK# 0667 8180 3783 4652

THU - 05 OCT AA
PRIORITY OVERNIGHT

XS LAAA

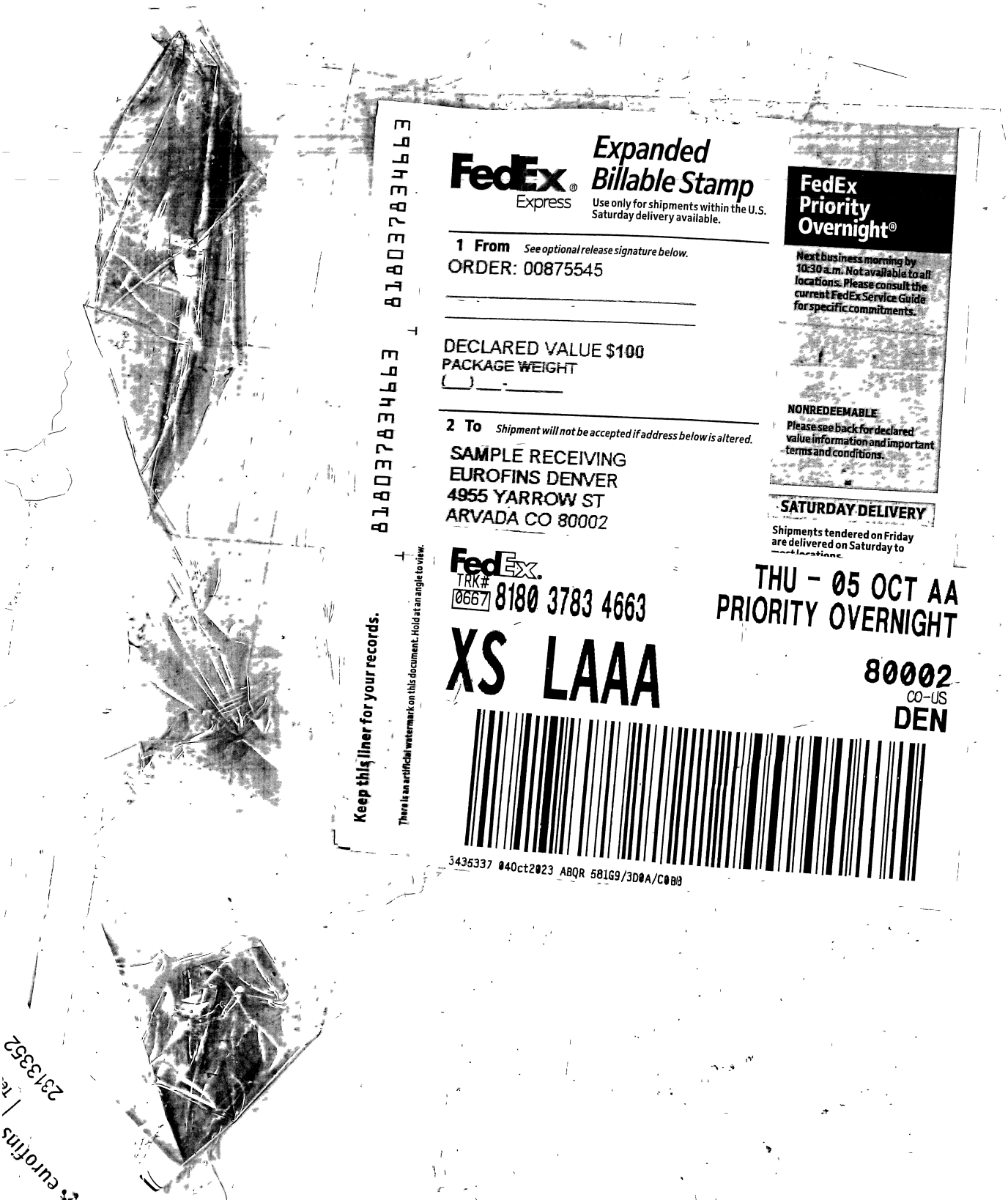
80002
CO-US
DEN

ABQR 581G9/3D0A/C0B8

8180 3783 4652

your records.

280-182494 Waybill



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Use only for shipments within the U.S. Saturday delivery available.

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ORDER: 00875545

DECLARED VALUE $100

PACKAGE WEIGHT

( ) ___.___

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ARVADA CO 80002

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SATURDAY DELIVERY

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FedEx TRK# 0667 8180 3783 4663

THU - 05 OCT AA
PRIORITY OVERNIGHT

XS LAAA

80002
CO-US
DEN

3435337 040ct2023 ABQR 581G9/3D0A/C0B0

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8180378346 63

Keep this liner for your records.

There is an artificial watermark on this document. Hold at an angle to view.

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231352

Login Sample Receipt Checklist

Client: New Mexico Environment Department

Job Number: 280-182494-1

Login Number: 182494
List Number: 1
Creator: Rystrom, Joshua R

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.	True	
Cooler Temperature is acceptable.	True	
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)	True	
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.	True	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Amber Rheubottom
New Mexico Environment Department
PO BOX 5469
Santa Fe, New Mexico 87502

Generated 10/27/2023 8:48:18 AM

JOB DESCRIPTION

Annual Groundwater, NM

JOB NUMBER

280-182615-1

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

Generated
10/27/2023 8:48:18 AM

Authorized for release by
Megan McElheny, Project Manager I
Megan.Mcelheny@et.eurofinsus.com
(303)736-0100

Table of Contents

Definitions/Glossary

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182615-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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
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.
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

Job ID: 280-182615-1

Laboratory: Eurofins Denver

Narrative

CASE NARRATIVE

Client: New Mexico Environment Department

Project: Annual Groundwater, NM

Report Number: 280-182615-1

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.

RECEIPT
The samples were received on 10/6/2023 9:40 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 0.1º C and 2.4º C.

DISSOLVED METALS (ICP)
Samples BSAG 24 (280-182615-1), BSAG 240 (280-182615-2), BSAG 23 (280-182615-3), BSAG 4 (280-182615-4), BSAG 22 (280-182615-5) and BSAG 28 (280-182615-6) were analyzed for Dissolved metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 10/19/2023 and 10/21/2023 and analyzed on 10/19/2023 and 10/23/2023.

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

TOTAL RECOVERABLE METALS (ICP)
Samples BSAG 24 (280-182615-1), BSAG 240 (280-182615-2), BSAG 23 (280-182615-3), BSAG 4 (280-182615-4) and BSAG 22 (280-182615-5) were analyzed for Total Recoverable Metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 10/21/2023 and analyzed on 10/23/2023.

Potassium, Silicon and Sodium were detected in method blank MB 280-630168/1-A at levels that were above the method detection limit but below the reporting limit. Sodium was detected in method blank MB 280-630546/1-A at a level that was 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.

The method blank for preparation batch 280-630168 and analytical batch 280-630471 contained Mg above half the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

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

DISSOLVED METALS (ICPMS)
Samples BSAG 24 (280-182615-1), BSAG 240 (280-182615-2), BSAG 23 (280-182615-3), BSAG 4 (280-182615-4) and BSAG 22 (280-182615-5) were analyzed for dissolved metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared on 10/19/2023 and analyzed on 10/20/2023.

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

Job ID: 280-182615-1 (Continued)

Laboratory: Eurofins Denver (Continued)

TOTAL RECOVERABLE METALS (ICPMS)
Samples BSAG 24 (280-182615-1), BSAG 240 (280-182615-2), BSAG 23 (280-182615-3), BSAG 4 (280-182615-4) and BSAG 22 (280-182615-5) were analyzed for total recoverable metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared on 10/19/2023 and analyzed on 10/20/2023.

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

ALKALINITY
Samples BSAG 24 (280-182615-1), BSAG 240 (280-182615-2), BSAG 23 (280-182615-3), BSAG 4 (280-182615-4), BSAG 22 (280-182615-5) and BSAG 28 (280-182615-6) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 10/10/2023.

The method blank for analytical batch 280-629347 contained Total Alkalinity as CaCO3, Bicarbonate Alkalinity as CaCO3 and Carbonate Alkalinity as CaCO3 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

TOTAL DISSOLVED SOLIDS
Samples BSAG 24 (280-182615-1), BSAG 240 (280-182615-2), BSAG 23 (280-182615-3), BSAG 4 (280-182615-4) and BSAG 22 (280-182615-5) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 10/12/2023.

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

NITRATE-NITRITE AS NITROGEN
Samples BSAG 24 (280-182615-1), BSAG 240 (280-182615-2), BSAG 23 (280-182615-3), BSAG 4 (280-182615-4) and BSAG 22 (280-182615-5) were analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 10/10/2023.

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

TOTAL CHLORIDE
Samples BSAG 24 (280-182615-1), BSAG 240 (280-182615-2), BSAG 23 (280-182615-3), BSAG 4 (280-182615-4) and BSAG 22 (280-182615-5) were analyzed for total chloride in accordance with SM20 4500 Cl-E. The samples were analyzed on 10/09/2023.

Samples BSAG 24 (280-182615-1)[5X], BSAG 240 (280-182615-2)[5X] and BSAG 23 (280-182615-3)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Due to a high concentration of Chloride in samples: BSAG 23 (280-182615-3), (280-182615-F-3 MS) and (280-182615-F-3 MSD), the matrix spike and matrix spike duplicate (MS/MSD) required a dilution. Because of this dilution, the reagent amount was altered to reflect the correct volume present after dilution.

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

SULFATE
Samples BSAG 24 (280-182615-1), BSAG 240 (280-182615-2), BSAG 23 (280-182615-3), BSAG 4 (280-182615-4) and BSAG 22 (280-182615-5) were analyzed for sulfate in accordance with SM 4500 S04 E. The samples were analyzed on 10/16/2023.

Samples BSAG 24 (280-182615-1)[50X], BSAG 240 (280-182615-2)[50X], BSAG 23 (280-182615-3)[10X], BSAG 4 (280-182615-4)[10X] and BSAG 22 (280-182615-5)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Due to the high concentration of Sulfate, the matrix spike and matrix spike duplicate (MS/MSD) for analytical batch 280-629928 could not be evaluated for accuracy and precision. The associated laboratory control sample and laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

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

Detection Summary

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182615-1

Client Sample ID: BSAG 24 — Lab Sample ID: 280-182615-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	170000		200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	4400		3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	45000		200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	110000		1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	10000		500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	170000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	4600	B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	46000	B	200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	110000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	10000	B	500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Arsenic	1.4	J	5.0	0.50	ug/L	1		200.8	Total Recoverable
Molybdenum	1.2	J	2.0	0.37	ug/L	1		200.8	Total Recoverable
Selenium	18		5.0	1.0	ug/L	1		200.8	Total Recoverable
Uranium	12		1.0	0.030	ug/L	1		200.8	Total Recoverable
Arsenic	1.4	J	5.0	0.50	ug/L	1		200.8	Dissolved
Molybdenum	1.2	J	2.0	0.37	ug/L	1		200.8	Dissolved
Selenium	18		5.0	1.0	ug/L	1		200.8	Dissolved
Uranium	12		1.0	0.030	ug/L	1		200.8	Dissolved
Nitrate Nitrite as N	3.0		0.10	0.044	mg/L	1		353.2	Total/NA
Total Alkalinity as CaCO3	250	B	10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	250	B	10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	1000		20	9.4	mg/L	1		SM 2540C	Total/NA
Chloride	69		10	3.4	mg/L	5		SM 4500 Cl- E	Total/NA
Sulfate	410		250	35	mg/L	50		SM 4500 SO4 E	Total/NA

Client Sample ID: BSAG 240 — Lab Sample ID: 280-182615-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	170000		200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	4600		3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	46000		200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	110000		1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	10000		500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	160000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	4500	B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	45000	B	200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	110000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	10000	B	500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Arsenic	1.4	J	5.0	0.50	ug/L	1		200.8	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: BSAG 240 (Continued) — Lab Sample ID: 280-182615-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Molybdenum	1.0	J	2.0	0.37	ug/L	1		200.8	Total Recoverable
Selenium	17		5.0	1.0	ug/L	1		200.8	Total Recoverable
Uranium	12		1.0	0.030	ug/L	1		200.8	Total Recoverable
Arsenic	1.4	J	5.0	0.50	ug/L	1		200.8	Dissolved
Molybdenum	1.0	J	2.0	0.37	ug/L	1		200.8	Dissolved
Selenium	17		5.0	1.0	ug/L	1		200.8	Dissolved
Uranium	12		1.0	0.030	ug/L	1		200.8	Dissolved
Nitrate Nitrite as N	2.9		0.10	0.044	mg/L	1		353.2	Total/NA
Total Alkalinity as CaCO3	260	B	10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	260	B	10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	1000		20	9.4	mg/L	1		SM 2540C	Total/NA
Chloride	69		10	3.4	mg/L	5		SM 4500 Cl- E	Total/NA
Sulfate	410		250	35	mg/L	50		SM 4500 SO4 E	Total/NA

Client Sample ID: BSAG 23 — Lab Sample ID: 280-182615-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	150000		200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	3800		3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	42000		200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	87000		1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	9500		500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	140000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	4000	B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	41000	B	200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	82000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	9400	B	500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Arsenic	2.2	J	5.0	0.50	ug/L	1		200.8	Total Recoverable
Molybdenum	1.1	J	2.0	0.37	ug/L	1		200.8	Total Recoverable
Selenium	13		5.0	1.0	ug/L	1		200.8	Total Recoverable
Uranium	11		1.0	0.030	ug/L	1		200.8	Total Recoverable
Arsenic	2.2	J	5.0	0.50	ug/L	1		200.8	Dissolved
Molybdenum	1.1	J	2.0	0.37	ug/L	1		200.8	Dissolved
Selenium	13		5.0	1.0	ug/L	1		200.8	Dissolved
Uranium	11		1.0	0.030	ug/L	1		200.8	Dissolved
Nitrate Nitrite as N	2.9		0.10	0.044	mg/L	1		353.2	Total/NA
Total Alkalinity as CaCO3	240	B	10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	240	B	10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	860		20	9.4	mg/L	1		SM 2540C	Total/NA
Chloride	54		10	3.4	mg/L	5		SM 4500 Cl- E	Total/NA
Sulfate	360		50	7.1	mg/L	10		SM 4500 SO4 E	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182615-1

Client Sample ID: BSAG 4 — Lab Sample ID: 280-182615-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	160000		200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	4100		3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	48000		200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	68000		1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	8100		500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	160000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	4300	B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	47000	B	200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	65000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	8000	B	500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Arsenic	0.67	J	5.0	0.50	ug/L	1		200.8	Total Recoverable
Molybdenum	1.2	J	2.0	0.37	ug/L	1		200.8	Total Recoverable
Selenium	4.7	J	5.0	1.0	ug/L	1		200.8	Total Recoverable
Uranium	16		1.0	0.030	ug/L	1		200.8	Total Recoverable
Arsenic	0.61	J	5.0	0.50	ug/L	1		200.8	Dissolved
Molybdenum	0.98	J	2.0	0.37	ug/L	1		200.8	Dissolved
Selenium	4.5	J	5.0	1.0	ug/L	1		200.8	Dissolved
Uranium	17		1.0	0.030	ug/L	1		200.8	Dissolved
Nitrate Nitrite as N	3.4		0.10	0.044	mg/L	1		353.2	Total/NA
Total Alkalinity as CaCO3	270	B	10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	270	B	10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	880		20	9.4	mg/L	1		SM 2540C	Total/NA
Chloride	44		2.0	0.68	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	350		50	7.1	mg/L	10		SM 4500 SO4 E	Total/NA

Client Sample ID: BSAG 22 — Lab Sample ID: 280-182615-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	130000		200	24	ug/L	1		200.7 Rev 4.4	Total Recoverable
Potassium	3200		3000	240	ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	39000		200	4.2	ug/L	1		200.7 Rev 4.4	Total Recoverable
Sodium	61000		1000	97	ug/L	1		200.7 Rev 4.4	Total Recoverable
Silicon	8800		500	16	ug/L	1		200.7 Rev 4.4	Total Recoverable
Calcium	120000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	3400	B	3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	39000	B	200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	60000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	8800	B	500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Arsenic	1.5	J	5.0	0.50	ug/L	1		200.8	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: BSAG 22 (Continued)

Lab Sample ID: 280-182615-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Molybdenum	1.7	J	2.0	0.37	ug/L	1		200.8	Total Recoverable
Selenium	9.7		5.0	1.0	ug/L	1		200.8	Total Recoverable
Uranium	5.7		1.0	0.030	ug/L	1		200.8	Total Recoverable
Arsenic	1.7	J	5.0	0.50	ug/L	1		200.8	Dissolved
Molybdenum	1.7	J	2.0	0.37	ug/L	1		200.8	Dissolved
Selenium	9.8		5.0	1.0	ug/L	1		200.8	Dissolved
Uranium	6.3		1.0	0.030	ug/L	1		200.8	Dissolved
Nitrate Nitrite as N	2.3		0.10	0.044	mg/L	1		353.2	Total/NA
Total Alkalinity as CaCO3	220	B	10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	220	B	10	3.1	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids (TDS)	700		10	4.7	mg/L	1		SM 2540C	Total/NA
Chloride	31		2.0	0.68	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	300		50	7.1	mg/L	10		SM 4500 SO4 E	Total/NA

Client Sample ID: BSAG 28

Lab Sample ID: 280-182615-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	210000		200	24	ug/L	1		200.7 Rev 4.4	Dissolved
Potassium	7100		3000	240	ug/L	1		200.7 Rev 4.4	Dissolved
Magnesium	56000		200	4.2	ug/L	1		200.7 Rev 4.4	Dissolved
Sodium	120000	B	1000	97	ug/L	1		200.7 Rev 4.4	Dissolved
Silicon	8000		500	16	ug/L	1		200.7 Rev 4.4	Dissolved
Total Alkalinity as CaCO3	340	B	10	3.1	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	340	B	10	3.1	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182615-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET DEN
200.8	Metals (ICP/MS)	EPA	EET DEN
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET DEN
SM 2320B	Alkalinity	SM	EET DEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DEN
SM 4500 Cl- E	Chloride, Total	SM	EET DEN
SM 4500 SO4 E	Sulfate, Total	SM	EET DEN
200.7	Preparation, Total Recoverable Metals	EPA	EET DEN
200.8	Preparation, Total Recoverable Metals	EPA	EET DEN

Protocol References:

EPA = US Environmental Protection Agency

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: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182615-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-182615-1	BSAG 24	Water	10/05/23 10:50	10/06/23 09:40
280-182615-2	BSAG 240	Water	10/05/23 10:15	10/06/23 09:40
280-182615-3	BSAG 23	Water	10/05/23 11:30	10/06/23 09:40
280-182615-4	BSAG 4	Water	10/05/23 13:45	10/06/23 09:40
280-182615-5	BSAG 22	Water	10/05/23 14:40	10/06/23 09:40
280-182615-6	BSAG 28	Water	10/05/23 16:00	10/06/23 09:40

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Client Sample ID: BSAG 24
Date Collected: 10/05/23 10:50
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	170000		200	24	ug/L		10/21/23 09:39	10/23/23 00:47	1
Potassium	4400		3000	240	ug/L		10/21/23 09:39	10/23/23 00:47	1
Magnesium	45000		200	4.2	ug/L		10/21/23 09:39	10/23/23 00:47	1
Sodium	110000		1000	97	ug/L		10/21/23 09:39	10/23/23 00:47	1
Silicon	10000		500	16	ug/L		10/21/23 09:39	10/23/23 00:47	1

Client Sample ID: BSAG 240
Date Collected: 10/05/23 10:15
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	170000		200	24	ug/L		10/21/23 09:39	10/23/23 00:51	1
Potassium	4600		3000	240	ug/L		10/21/23 09:39	10/23/23 00:51	1
Magnesium	46000		200	4.2	ug/L		10/21/23 09:39	10/23/23 00:51	1
Sodium	110000		1000	97	ug/L		10/21/23 09:39	10/23/23 00:51	1
Silicon	10000		500	16	ug/L		10/21/23 09:39	10/23/23 00:51	1

Client Sample ID: BSAG 23
Date Collected: 10/05/23 11:30
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	150000		200	24	ug/L		10/21/23 09:39	10/23/23 00:55	1
Potassium	3800		3000	240	ug/L		10/21/23 09:39	10/23/23 00:55	1
Magnesium	42000		200	4.2	ug/L		10/21/23 09:39	10/23/23 00:55	1
Sodium	87000		1000	97	ug/L		10/21/23 09:39	10/23/23 00:55	1
Silicon	9500		500	16	ug/L		10/21/23 09:39	10/23/23 00:55	1

Client Sample ID: BSAG 4
Date Collected: 10/05/23 13:45
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	160000		200	24	ug/L		10/21/23 09:39	10/23/23 01:16	1
Potassium	4100		3000	240	ug/L		10/21/23 09:39	10/23/23 01:16	1
Magnesium	48000		200	4.2	ug/L		10/21/23 09:39	10/23/23 01:16	1
Sodium	68000		1000	97	ug/L		10/21/23 09:39	10/23/23 01:16	1
Silicon	8100		500	16	ug/L		10/21/23 09:39	10/23/23 01:16	1

Client Sample ID: BSAG 22
Date Collected: 10/05/23 14:40
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	130000		200	24	ug/L		10/21/23 09:39	10/23/23 01:20	1
Potassium	3200		3000	240	ug/L		10/21/23 09:39	10/23/23 01:20	1
Magnesium	39000		200	4.2	ug/L		10/21/23 09:39	10/23/23 01:20	1
Sodium	61000		1000	97	ug/L		10/21/23 09:39	10/23/23 01:20	1
Silicon	8800		500	16	ug/L		10/21/23 09:39	10/23/23 01:20	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Client Sample ID: BSAG 24
Date Collected: 10/05/23 10:50
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	170000		200	24	ug/L		10/19/23 08:58	10/19/23 20:13	1
Potassium	4600	B	3000	240	ug/L		10/19/23 08:58	10/19/23 20:13	1
Magnesium	46000	B	200	4.2	ug/L		10/19/23 08:58	10/19/23 20:13	1
Sodium	110000	B	1000	97	ug/L		10/19/23 08:58	10/19/23 20:13	1
Silicon	10000	B	500	16	ug/L		10/19/23 08:58	10/19/23 20:13	1

Client Sample ID: BSAG 240
Date Collected: 10/05/23 10:15
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	160000		200	24	ug/L		10/19/23 08:58	10/19/23 20:17	1
Potassium	4500	B	3000	240	ug/L		10/19/23 08:58	10/19/23 20:17	1
Magnesium	45000	B	200	4.2	ug/L		10/19/23 08:58	10/19/23 20:17	1
Sodium	110000	B	1000	97	ug/L		10/19/23 08:58	10/19/23 20:17	1
Silicon	10000	B	500	16	ug/L		10/19/23 08:58	10/19/23 20:17	1

Client Sample ID: BSAG 23
Date Collected: 10/05/23 11:30
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	140000		200	24	ug/L		10/19/23 08:58	10/19/23 20:21	1
Potassium	4000	B	3000	240	ug/L		10/19/23 08:58	10/19/23 20:21	1
Magnesium	41000	B	200	4.2	ug/L		10/19/23 08:58	10/19/23 20:21	1
Sodium	82000	B	1000	97	ug/L		10/19/23 08:58	10/19/23 20:21	1
Silicon	9400	B	500	16	ug/L		10/19/23 08:58	10/19/23 20:21	1

Client Sample ID: BSAG 4
Date Collected: 10/05/23 13:45
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	160000		200	24	ug/L		10/19/23 08:58	10/19/23 20:26	1
Potassium	4300	B	3000	240	ug/L		10/19/23 08:58	10/19/23 20:26	1
Magnesium	47000	B	200	4.2	ug/L		10/19/23 08:58	10/19/23 20:26	1
Sodium	65000	B	1000	97	ug/L		10/19/23 08:58	10/19/23 20:26	1
Silicon	8000	B	500	16	ug/L		10/19/23 08:58	10/19/23 20:26	1

Client Sample ID: BSAG 22
Date Collected: 10/05/23 14:40
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	120000		200	24	ug/L		10/19/23 08:58	10/19/23 20:30	1
Potassium	3400	B	3000	240	ug/L		10/19/23 08:58	10/19/23 20:30	1
Magnesium	39000	B	200	4.2	ug/L		10/19/23 08:58	10/19/23 20:30	1
Sodium	60000	B	1000	97	ug/L		10/19/23 08:58	10/19/23 20:30	1
Silicon	8800	B	500	16	ug/L		10/19/23 08:58	10/19/23 20:30	1

Client Sample ID: BSAG 28
Date Collected: 10/05/23 16:00
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	210000		200	24	ug/L		10/21/23 09:00	10/23/23 02:28	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved (Continued)

Client Sample ID: BSAG 28
Date Collected: 10/05/23 16:00
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	7100		3000	240	ug/L		10/21/23 09:00	10/23/23 02:28	1
Magnesium	56000		200	4.2	ug/L		10/21/23 09:00	10/23/23 02:28	1
Sodium	120000	B	1000	97	ug/L		10/21/23 09:00	10/23/23 02:28	1
Silicon	8000		500	16	ug/L		10/21/23 09:00	10/23/23 15:21	1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Client Sample ID: BSAG 24
Date Collected: 10/05/23 10:50
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4	J	5.0	0.50	ug/L		10/19/23 08:58	10/20/23 06:46	1
Molybdenum	1.2	J	2.0	0.37	ug/L		10/19/23 08:58	10/20/23 06:46	1
Selenium	18		5.0	1.0	ug/L		10/19/23 08:58	10/20/23 06:46	1
Uranium	12		1.0	0.030	ug/L		10/19/23 08:58	10/20/23 06:46	1

Client Sample ID: BSAG 240
Date Collected: 10/05/23 10:15
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4	J	5.0	0.50	ug/L		10/19/23 08:58	10/20/23 06:48	1
Molybdenum	1.0	J	2.0	0.37	ug/L		10/19/23 08:58	10/20/23 06:48	1
Selenium	17		5.0	1.0	ug/L		10/19/23 08:58	10/20/23 06:48	1
Uranium	12		1.0	0.030	ug/L		10/19/23 08:58	10/20/23 06:48	1

Client Sample ID: BSAG 23
Date Collected: 10/05/23 11:30
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2	J	5.0	0.50	ug/L		10/19/23 08:58	10/20/23 06:55	1
Molybdenum	1.1	J	2.0	0.37	ug/L		10/19/23 08:58	10/20/23 06:55	1
Selenium	13		5.0	1.0	ug/L		10/19/23 08:58	10/20/23 06:55	1
Uranium	11		1.0	0.030	ug/L		10/19/23 08:58	10/20/23 06:55	1

Client Sample ID: BSAG 4
Date Collected: 10/05/23 13:45
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.67	J	5.0	0.50	ug/L		10/19/23 08:58	10/20/23 11:54	1
Molybdenum	1.2	J	2.0	0.37	ug/L		10/19/23 08:58	10/20/23 11:54	1
Selenium	4.7	J	5.0	1.0	ug/L		10/19/23 08:58	10/20/23 11:54	1
Uranium	16		1.0	0.030	ug/L		10/19/23 08:58	10/20/23 11:54	1

Client Sample ID: BSAG 22
Date Collected: 10/05/23 14:40
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.5	J	5.0	0.50	ug/L		10/19/23 08:58	10/20/23 11:56	1
Molybdenum	1.7	J	2.0	0.37	ug/L		10/19/23 08:58	10/20/23 11:56	1
Selenium	9.7		5.0	1.0	ug/L		10/19/23 08:58	10/20/23 11:56	1
Uranium	5.7		1.0	0.030	ug/L		10/19/23 08:58	10/20/23 11:56	1

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

Client Sample ID: BSAG 24
Date Collected: 10/05/23 10:50
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4	J	5.0	0.50	ug/L		10/19/23 08:58	10/20/23 06:46	1
Molybdenum	1.2	J	2.0	0.37	ug/L		10/19/23 08:58	10/20/23 06:46	1
Selenium	18		5.0	1.0	ug/L		10/19/23 08:58	10/20/23 06:46	1
Uranium	12		1.0	0.030	ug/L		10/19/23 08:58	10/20/23 06:46	1

Client Sample ID: BSAG 240
Date Collected: 10/05/23 10:15
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4	J	5.0	0.50	ug/L		10/19/23 08:58	10/20/23 06:48	1
Molybdenum	1.0	J	2.0	0.37	ug/L		10/19/23 08:58	10/20/23 06:48	1
Selenium	17		5.0	1.0	ug/L		10/19/23 08:58	10/20/23 06:48	1
Uranium	12		1.0	0.030	ug/L		10/19/23 08:58	10/20/23 06:48	1

Client Sample ID: BSAG 23
Date Collected: 10/05/23 11:30
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2	J	5.0	0.50	ug/L		10/19/23 08:58	10/20/23 06:55	1
Molybdenum	1.1	J	2.0	0.37	ug/L		10/19/23 08:58	10/20/23 06:55	1
Selenium	13		5.0	1.0	ug/L		10/19/23 08:58	10/20/23 06:55	1
Uranium	11		1.0	0.030	ug/L		10/19/23 08:58	10/20/23 06:55	1

Client Sample ID: BSAG 4
Date Collected: 10/05/23 13:45
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.61	J	5.0	0.50	ug/L		10/19/23 08:58	10/20/23 22:02	1
Molybdenum	0.98	J	2.0	0.37	ug/L		10/19/23 08:58	10/20/23 22:02	1
Selenium	4.5	J	5.0	1.0	ug/L		10/19/23 08:58	10/20/23 22:02	1
Uranium	17		1.0	0.030	ug/L		10/19/23 08:58	10/20/23 22:02	1

Client Sample ID: BSAG 22
Date Collected: 10/05/23 14:40
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.7	J	5.0	0.50	ug/L		10/19/23 08:58	10/20/23 22:05	1
Molybdenum	1.7	J	2.0	0.37	ug/L		10/19/23 08:58	10/20/23 22:05	1
Selenium	9.8		5.0	1.0	ug/L		10/19/23 08:58	10/20/23 22:05	1
Uranium	6.3		1.0	0.030	ug/L		10/19/23 08:58	10/20/23 22:05	1

General Chemistry

Client Sample ID: BSAG 24
Date Collected: 10/05/23 10:50
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	3.0		0.10	0.044	mg/L			10/10/23 17:28	1
Total Alkalinity as CaCO3 (SM 2320B)	250	B	10	3.1	mg/L			10/10/23 19:00	1

General Chemistry (Continued)

Client Sample ID: BSAG 24
Date Collected: 10/05/23 10:50
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	250	B	10	3.1	mg/L			10/10/23 19:00	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/10/23 19:00	1
Total Dissolved Solids (TDS) (SM 2540C)	1000		20	9.4	mg/L			10/12/23 15:46	1
Chloride (SM 4500 Cl- E)	69		10	3.4	mg/L			10/09/23 12:32	5
Sulfate (SM 4500 SO4 E)	410		250	35	mg/L			10/16/23 17:35	50

Client Sample ID: BSAG 240
Date Collected: 10/05/23 10:15
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	2.9		0.10	0.044	mg/L			10/10/23 17:30	1
Total Alkalinity as CaCO3 (SM 2320B)	260	B	10	3.1	mg/L			10/10/23 19:07	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	260	B	10	3.1	mg/L			10/10/23 19:07	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/10/23 19:07	1
Total Dissolved Solids (TDS) (SM 2540C)	1000		20	9.4	mg/L			10/12/23 15:43	1
Chloride (SM 4500 Cl- E)	69		10	3.4	mg/L			10/09/23 12:33	5
Sulfate (SM 4500 SO4 E)	410		250	35	mg/L			10/16/23 17:33	50

Client Sample ID: BSAG 23
Date Collected: 10/05/23 11:30
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	2.9		0.10	0.044	mg/L			10/10/23 17:32	1
Total Alkalinity as CaCO3 (SM 2320B)	240	B	10	3.1	mg/L			10/10/23 19:14	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	240	B	10	3.1	mg/L			10/10/23 19:14	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/10/23 19:14	1
Total Dissolved Solids (TDS) (SM 2540C)	860		20	9.4	mg/L			10/12/23 15:43	1
Chloride (SM 4500 Cl- E)	54		10	3.4	mg/L			10/09/23 12:35	5
Sulfate (SM 4500 SO4 E)	360		50	7.1	mg/L			10/16/23 17:14	10

Client Sample ID: BSAG 4
Date Collected: 10/05/23 13:45
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	3.4		0.10	0.044	mg/L			10/10/23 17:46	1
Total Alkalinity as CaCO3 (SM 2320B)	270	B	10	3.1	mg/L			10/10/23 19:21	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	270	B	10	3.1	mg/L			10/10/23 19:21	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/10/23 19:21	1
Total Dissolved Solids (TDS) (SM 2540C)	880		20	9.4	mg/L			10/12/23 15:46	1

General Chemistry (Continued)

Client Sample ID: BSAG 4
Date Collected: 10/05/23 13:45
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (SM 4500 Cl- E)	44		2.0	0.68	mg/L			10/09/23 12:22	1
Sulfate (SM 4500 SO4 E)	350		50	7.1	mg/L			10/16/23 17:21	10

Client Sample ID: BSAG 22
Date Collected: 10/05/23 14:40
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	2.3		0.10	0.044	mg/L			10/10/23 17:48	1
Total Alkalinity as CaCO3 (SM 2320B)	220	B	10	3.1	mg/L			10/10/23 19:28	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	220	B	10	3.1	mg/L			10/10/23 19:28	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/10/23 19:28	1
Total Dissolved Solids (TDS) (SM 2540C)	700		10	4.7	mg/L			10/12/23 15:43	1
Chloride (SM 4500 Cl- E)	31		2.0	0.68	mg/L			10/09/23 12:22	1
Sulfate (SM 4500 SO4 E)	300		50	7.1	mg/L			10/16/23 17:21	10

Client Sample ID: BSAG 28
Date Collected: 10/05/23 16:00
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	340	B	10	3.1	mg/L			10/10/23 19:36	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	340	B	10	3.1	mg/L			10/10/23 19:36	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		10	3.1	mg/L			10/10/23 19:36	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-630168/1-A
Matrix: Water
Analysis Batch: 630471

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 630168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		200	24	ug/L		10/19/23 08:58	10/19/23 20:05	1
Potassium	450	J	3000	240	ug/L		10/19/23 08:58	10/19/23 20:05	1
Magnesium	114	J	200	4.2	ug/L		10/19/23 08:58	10/19/23 20:05	1
Sodium	212	J	1000	97	ug/L		10/19/23 08:58	10/19/23 20:05	1
Silicon	41.9	J	500	16	ug/L		10/19/23 08:58	10/19/23 20:05	1

Lab Sample ID: LCS 280-630168/2-A
Matrix: Water
Analysis Batch: 630471

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 630168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50000	50000		ug/L		100	90 - 111
Potassium	50000	47600		ug/L		95	89 - 114
Magnesium	50000	49800		ug/L		100	90 - 113
Sodium	50000	47900		ug/L		96	90 - 115
Silicon	10000	9500		ug/L		95	85 - 115

Lab Sample ID: MB 280-630525/1-A
Matrix: Water
Analysis Batch: 630762

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 630525

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		200	24	ug/L		10/21/23 09:39	10/23/23 00:39	1
Potassium	ND		3000	240	ug/L		10/21/23 09:39	10/23/23 00:39	1
Magnesium	ND		200	4.2	ug/L		10/21/23 09:39	10/23/23 00:39	1
Sodium	ND		1000	97	ug/L		10/21/23 09:39	10/23/23 00:39	1
Silicon	ND		500	16	ug/L		10/21/23 09:39	10/23/23 00:39	1

Lab Sample ID: LCS 280-630525/2-A
Matrix: Water
Analysis Batch: 630762

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 630525

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50000	50800		ug/L		102	90 - 111
Potassium	50000	50000		ug/L		100	89 - 114
Magnesium	50000	50100		ug/L		100	90 - 113
Sodium	50000	50000		ug/L		100	90 - 115
Silicon	10000	9600		ug/L		96	85 - 115

Lab Sample ID: MB 280-630546/1-A
Matrix: Water
Analysis Batch: 630756

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 630546

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		200	24	ug/L		10/21/23 09:00	10/23/23 02:15	1
Potassium	ND		3000	240	ug/L		10/21/23 09:00	10/23/23 02:15	1
Magnesium	ND		200	4.2	ug/L		10/21/23 09:00	10/23/23 02:15	1
Sodium	122	J	1000	97	ug/L		10/21/23 09:00	10/23/23 02:15	1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: MB 280-630546/1-A
Matrix: Water
Analysis Batch: 630882

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 630546

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silicon	ND		500	16	ug/L		10/21/23 09:00	10/23/23 15:08	1

Lab Sample ID: LCS 280-630546/2-A
Matrix: Water
Analysis Batch: 630756

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 630546

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50000	49400		ug/L		99	90 - 111
Potassium	50000	49800		ug/L		100	89 - 114
Magnesium	50000	49800		ug/L		100	90 - 113
Sodium	50000	48200		ug/L		96	90 - 115

Lab Sample ID: LCS 280-630546/2-A
Matrix: Water
Analysis Batch: 630882

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 630546

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silicon	10000	9590		ug/L		96	85 - 115

Lab Sample ID: LCSD 280-630546/25-A
Matrix: Water
Analysis Batch: 630756

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 630546

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	50000	49500		ug/L		99	90 - 111	0	20
Potassium	50000	49900		ug/L		100	89 - 114	0	20
Magnesium	50000	49900		ug/L		100	90 - 113	0	20
Sodium	50000	48300		ug/L		97	90 - 115	0	20

Lab Sample ID: LCSD 280-630546/25-A
Matrix: Water
Analysis Batch: 630882

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 630546

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silicon	10000	9660		ug/L		97	85 - 115	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-630168/1-A
Matrix: Water
Analysis Batch: 630685

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 630168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		10/19/23 08:58	10/20/23 21:44	1
Molybdenum	ND		2.0	0.37	ug/L		10/19/23 08:58	10/20/23 21:44	1
Selenium	ND		5.0	1.0	ug/L		10/19/23 08:58	10/20/23 21:44	1
Uranium	ND		1.0	0.030	ug/L		10/19/23 08:58	10/20/23 21:44	1

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

Lab Sample ID: LCS 280-630168/23-A
Matrix: Water
Analysis Batch: 630685

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 630168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	40.0	38.7		ug/L		97	89 - 111
Molybdenum	40.0	37.8		ug/L		95	89 - 112
Selenium	40.0	38.2		ug/L		96	85 - 114
Uranium	40.0	38.7		ug/L		97	85 - 115

Lab Sample ID: MB 280-630184/1-A
Matrix: Water
Analysis Batch: 630466

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 630184

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.50	ug/L		10/19/23 08:58	10/19/23 18:58	1
Molybdenum	ND		2.0	0.37	ug/L		10/19/23 08:58	10/19/23 18:58	1
Selenium	ND		5.0	1.0	ug/L		10/19/23 08:58	10/19/23 18:58	1
Uranium	ND		1.0	0.030	ug/L		10/19/23 08:58	10/19/23 18:58	1

Lab Sample ID: LCS 280-630184/27-A
Matrix: Water
Analysis Batch: 630559

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 630184

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	40.0	40.0		ug/L		100	89 - 111
Molybdenum	40.0	37.5		ug/L		94	89 - 112
Selenium	40.0	40.3		ug/L		101	85 - 114
Uranium	40.0	38.2		ug/L		96	85 - 115

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-629378/104
Matrix: Water
Analysis Batch: 629378

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.044	mg/L			10/10/23 17:12	1

Lab Sample ID: MB 280-629378/60
Matrix: Water
Analysis Batch: 629378

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.044	mg/L			10/10/23 15:43	1

Lab Sample ID: LCS 280-629378/103
Matrix: Water
Analysis Batch: 629378

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	5.00	4.99		mg/L		100	90 - 110

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

Lab Sample ID: LCS 280-629378/59
Matrix: Water
Analysis Batch: 629378

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	5.00	5.05		mg/L		101	90 - 110

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 280-629347/135
Matrix: Water
Analysis Batch: 629347

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	9.60	J	10	3.1	mg/L			10/10/23 17:47	1
Bicarbonate Alkalinity as CaCO3	9.60	J	10	3.1	mg/L			10/10/23 17:47	1
Carbonate Alkalinity as CaCO3	ND		10	3.1	mg/L			10/10/23 17:47	1

Lab Sample ID: LCS 280-629347/134
Matrix: Water
Analysis Batch: 629347

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	215		mg/L		108	89 - 110

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

Lab Sample ID: MB 280-629557/1
Matrix: Water
Analysis Batch: 629557

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			10/12/23 15:43	1

Lab Sample ID: LCS 280-629557/2
Matrix: Water
Analysis Batch: 629557

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)	508	500		mg/L		98	88 - 114

Lab Sample ID: LCSD 280-629557/3
Matrix: Water
Analysis Batch: 629557

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)	508	489		mg/L		96	88 - 114	2	20

Lab Sample ID: MB 280-629560/1
Matrix: Water
Analysis Batch: 629560

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			10/12/23 15:46	1

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

Lab Sample ID: LCS 280-629560/2
Matrix: Water
Analysis Batch: 629560

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)			504	493		mg/L		98	88 - 114		

Lab Sample ID: LCSD 280-629560/3
Matrix: Water
Analysis Batch: 629560

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)			504	497		mg/L		99	88 - 114	1	20

Lab Sample ID: 280-182615-4 DU
Matrix: Water
Analysis Batch: 629560

Client Sample ID: BSAG 4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids (TDS)	880			868		mg/L				1	10

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 280-629058/15
Matrix: Water
Analysis Batch: 629058

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			10/09/23 12:19	1

Lab Sample ID: MB 280-629058/27
Matrix: Water
Analysis Batch: 629058

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			10/09/23 12:23	1

Lab Sample ID: MB 280-629058/44
Matrix: Water
Analysis Batch: 629058

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			10/09/23 12:34	1

Lab Sample ID: LCS 280-629058/13
Matrix: Water
Analysis Batch: 629058

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	19.7		mg/L		99	90 - 110		

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: LCS 280-629058/25
Matrix: Water
Analysis Batch: 629058

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	19.4		mg/L		97	90 - 110

Lab Sample ID: LCS 280-629058/42
Matrix: Water
Analysis Batch: 629058

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	19.9		mg/L		100	90 - 110

Lab Sample ID: LCSD 280-629058/14
Matrix: Water
Analysis Batch: 629058

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	19.2		mg/L		96	90 - 110	3	10

Lab Sample ID: LCSD 280-629058/26
Matrix: Water
Analysis Batch: 629058

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	19.4		mg/L		97	90 - 110	0	10

Lab Sample ID: LCSD 280-629058/43
Matrix: Water
Analysis Batch: 629058

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	19.9		mg/L		100	90 - 110	0	10

Lab Sample ID: 280-182615-3 MS
Matrix: Water
Analysis Batch: 629058

Client Sample ID: BSAG 23
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	54		20.0	73.0		mg/L		98	90 - 110

Lab Sample ID: 280-182615-3 MSD
Matrix: Water
Analysis Batch: 629058

Client Sample ID: BSAG 23
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	54		20.0	72.7		mg/L		96	90 - 110	0	10

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 280-629928/14
Matrix: Water
Analysis Batch: 629928

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			10/16/23 15:38	1

Lab Sample ID: MB 280-629928/41
Matrix: Water
Analysis Batch: 629928

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			10/16/23 17:30	1

Lab Sample ID: LCS 280-629928/12
Matrix: Water
Analysis Batch: 629928

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	26.5		mg/L		106	90 - 110

Lab Sample ID: LCS 280-629928/39
Matrix: Water
Analysis Batch: 629928

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	26.5		mg/L		106	90 - 110

Lab Sample ID: LCSD 280-629928/13
Matrix: Water
Analysis Batch: 629928

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	25.8		mg/L		103	90 - 110	3	10

Lab Sample ID: LCSD 280-629928/40
Matrix: Water
Analysis Batch: 629928

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	26.8		mg/L		107	90 - 110	1	10

Lab Sample ID: 280-182615-3 MS
Matrix: Water
Analysis Batch: 629928

Client Sample ID: BSAG 23
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	360		25.0	373	4	mg/L		60	90 - 110

Lab Sample ID: 280-182615-3 MSD
Matrix: Water
Analysis Batch: 629928

Client Sample ID: BSAG 23
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	360		25.0	371	4	mg/L		54	90 - 110	0	10

Metals

Prep Batch: 630168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-1	BSAG 24	Dissolved	Water	200.7	
280-182615-2	BSAG 240	Dissolved	Water	200.7	
280-182615-3	BSAG 23	Dissolved	Water	200.7	
280-182615-4	BSAG 4	Dissolved	Water	200.7	
280-182615-5	BSAG 22	Dissolved	Water	200.7	
MB 280-630168/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 280-630168/23-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCS 280-630168/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Prep Batch: 630184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-1	BSAG 24	Dissolved	Water	200.7	
280-182615-1	BSAG 24	Total Recoverable	Water	200.7	
280-182615-2	BSAG 240	Dissolved	Water	200.7	
280-182615-2	BSAG 240	Total Recoverable	Water	200.7	
280-182615-3	BSAG 23	Dissolved	Water	200.7	
280-182615-3	BSAG 23	Total Recoverable	Water	200.7	
280-182615-4	BSAG 4	Total Recoverable	Water	200.7	
280-182615-5	BSAG 22	Total Recoverable	Water	200.7	
MB 280-630184/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 280-630184/27-A	Lab Control Sample	Total Recoverable	Water	200.7	

Analysis Batch: 630466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-1	BSAG 24	Dissolved	Water	200.8	630184
280-182615-1	BSAG 24	Total Recoverable	Water	200.8	630184
280-182615-2	BSAG 240	Dissolved	Water	200.8	630184
280-182615-2	BSAG 240	Total Recoverable	Water	200.8	630184
280-182615-3	BSAG 23	Dissolved	Water	200.8	630184
280-182615-3	BSAG 23	Total Recoverable	Water	200.8	630184
MB 280-630184/1-A	Method Blank	Total Recoverable	Water	200.8	630184

Analysis Batch: 630471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-1	BSAG 24	Dissolved	Water	200.7 Rev 4.4	630168
280-182615-2	BSAG 240	Dissolved	Water	200.7 Rev 4.4	630168
280-182615-3	BSAG 23	Dissolved	Water	200.7 Rev 4.4	630168
280-182615-4	BSAG 4	Dissolved	Water	200.7 Rev 4.4	630168
280-182615-5	BSAG 22	Dissolved	Water	200.7 Rev 4.4	630168
MB 280-630168/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	630168
LCS 280-630168/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	630168

Prep Batch: 630525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-1	BSAG 24	Total Recoverable	Water	200.7	
280-182615-2	BSAG 240	Total Recoverable	Water	200.7	
280-182615-3	BSAG 23	Total Recoverable	Water	200.7	
280-182615-4	BSAG 4	Total Recoverable	Water	200.7	
280-182615-5	BSAG 22	Total Recoverable	Water	200.7	
MB 280-630525/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 280-630525/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Metals

Prep Batch: 630546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-6	BSAG 28	Dissolved	Water	200.7	
MB 280-630546/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 280-630546/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 280-630546/25-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	

Analysis Batch: 630559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-4	BSAG 4	Total Recoverable	Water	200.8	630184
280-182615-5	BSAG 22	Total Recoverable	Water	200.8	630184
LCS 280-630184/27-A	Lab Control Sample	Total Recoverable	Water	200.8	630184

Analysis Batch: 630685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-4	BSAG 4	Dissolved	Water	200.8	630168
280-182615-5	BSAG 22	Dissolved	Water	200.8	630168
MB 280-630168/1-A	Method Blank	Total Recoverable	Water	200.8	630168
LCS 280-630168/23-A	Lab Control Sample	Total Recoverable	Water	200.8	630168

Analysis Batch: 630756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-6	BSAG 28	Dissolved	Water	200.7 Rev 4.4	630546
MB 280-630546/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	630546
LCS 280-630546/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	630546
LCSD 280-630546/25-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	630546

Analysis Batch: 630762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-1	BSAG 24	Total Recoverable	Water	200.7 Rev 4.4	630525
280-182615-2	BSAG 240	Total Recoverable	Water	200.7 Rev 4.4	630525
280-182615-3	BSAG 23	Total Recoverable	Water	200.7 Rev 4.4	630525
280-182615-4	BSAG 4	Total Recoverable	Water	200.7 Rev 4.4	630525
280-182615-5	BSAG 22	Total Recoverable	Water	200.7 Rev 4.4	630525
MB 280-630525/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	630525
LCS 280-630525/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	630525

Analysis Batch: 630882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-6	BSAG 28	Dissolved	Water	200.7 Rev 4.4	630546
MB 280-630546/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	630546
LCS 280-630546/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	630546
LCSD 280-630546/25-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	630546

General Chemistry

Analysis Batch: 629058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-1	BSAG 24	Total/NA	Water	SM 4500 Cl- E	
280-182615-2	BSAG 240	Total/NA	Water	SM 4500 Cl- E	
280-182615-3	BSAG 23	Total/NA	Water	SM 4500 Cl- E	
280-182615-4	BSAG 4	Total/NA	Water	SM 4500 Cl- E	
280-182615-5	BSAG 22	Total/NA	Water	SM 4500 Cl- E	

General Chemistry (Continued)

Analysis Batch: 629058 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-629058/15	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 280-629058/27	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 280-629058/44	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 280-629058/13	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 280-629058/25	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 280-629058/42	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCSD 280-629058/14	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- E	
LCSD 280-629058/26	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- E	
LCSD 280-629058/43	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- E	
280-182615-3 MS	BSAG 23	Total/NA	Water	SM 4500 Cl- E	
280-182615-3 MSD	BSAG 23	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 629347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-1	BSAG 24	Total/NA	Water	SM 2320B	
280-182615-2	BSAG 240	Total/NA	Water	SM 2320B	
280-182615-3	BSAG 23	Total/NA	Water	SM 2320B	
280-182615-4	BSAG 4	Total/NA	Water	SM 2320B	
280-182615-5	BSAG 22	Total/NA	Water	SM 2320B	
280-182615-6	BSAG 28	Total/NA	Water	SM 2320B	
MB 280-629347/135	Method Blank	Total/NA	Water	SM 2320B	
LCS 280-629347/134	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 629378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-1	BSAG 24	Total/NA	Water	353.2	
280-182615-2	BSAG 240	Total/NA	Water	353.2	
280-182615-3	BSAG 23	Total/NA	Water	353.2	
280-182615-4	BSAG 4	Total/NA	Water	353.2	
280-182615-5	BSAG 22	Total/NA	Water	353.2	
MB 280-629378/104	Method Blank	Total/NA	Water	353.2	
MB 280-629378/60	Method Blank	Total/NA	Water	353.2	
LCS 280-629378/103	Lab Control Sample	Total/NA	Water	353.2	
LCS 280-629378/59	Lab Control Sample	Total/NA	Water	353.2	

Analysis Batch: 629557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-2	BSAG 240	Total/NA	Water	SM 2540C	
280-182615-3	BSAG 23	Total/NA	Water	SM 2540C	
280-182615-5	BSAG 22	Total/NA	Water	SM 2540C	
MB 280-629557/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-629557/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 280-629557/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 629560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-1	BSAG 24	Total/NA	Water	SM 2540C	
280-182615-4	BSAG 4	Total/NA	Water	SM 2540C	
MB 280-629560/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-629560/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 280-629560/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 629560 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-4 DU	BSAG 4	Total/NA	Water	SM 2540C	

Analysis Batch: 629928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-182615-1	BSAG 24	Total/NA	Water	SM 4500 SO4 E	
280-182615-2	BSAG 240	Total/NA	Water	SM 4500 SO4 E	
280-182615-3	BSAG 23	Total/NA	Water	SM 4500 SO4 E	
280-182615-4	BSAG 4	Total/NA	Water	SM 4500 SO4 E	
280-182615-5	BSAG 22	Total/NA	Water	SM 4500 SO4 E	
MB 280-629928/14	Method Blank	Total/NA	Water	SM 4500 SO4 E	
MB 280-629928/41	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 280-629928/12	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCS 280-629928/39	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCSD 280-629928/13	Lab Control Sample Dup	Total/NA	Water	SM 4500 SO4 E	
LCSD 280-629928/40	Lab Control Sample Dup	Total/NA	Water	SM 4500 SO4 E	
280-182615-3 MS	BSAG 23	Total/NA	Water	SM 4500 SO4 E	
280-182615-3 MSD	BSAG 23	Total/NA	Water	SM 4500 SO4 E	

Lab Chronicle

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182615-1

Client Sample ID: BSAG 24

Date Collected: 10/05/23 10:50
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	630168	10/19/23 08:58	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			630471	10/19/23 20:13	ADL	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	630525	10/21/23 09:39	PFM	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630762	10/23/23 00:47	ADL	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	630184	10/19/23 08:58	AMH	EET DEN
Dissolved	Analysis	200.8		1			630466	10/20/23 06:46	LMT	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	630184	10/19/23 08:58	AMH	EET DEN
Total Recoverable	Analysis	200.8		1			630466	10/20/23 06:46	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	629378	10/10/23 17:28	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			629347	10/10/23 19:00	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	629560	10/12/23 15:46	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		5	2 mL	2 mL	629058	10/09/23 12:32	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		50	2 mL	2 mL	629928	10/16/23 17:35	SL	EET DEN

Client Sample ID: BSAG 240

Date Collected: 10/05/23 10:15
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	630168	10/19/23 08:58	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			630471	10/19/23 20:17	ADL	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	630525	10/21/23 09:39	PFM	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630762	10/23/23 00:51	ADL	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	630184	10/19/23 08:58	AMH	EET DEN
Dissolved	Analysis	200.8		1			630466	10/20/23 06:48	LMT	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	630184	10/19/23 08:58	AMH	EET DEN
Total Recoverable	Analysis	200.8		1			630466	10/20/23 06:48	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	629378	10/10/23 17:30	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			629347	10/10/23 19:07	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	629557	10/12/23 15:43	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		5	2 mL	2 mL	629058	10/09/23 12:33	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		50	2 mL	2 mL	629928	10/16/23 17:33	SL	EET DEN

Client Sample ID: BSAG 23

Date Collected: 10/05/23 11:30
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	630168	10/19/23 08:58	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			630471	10/19/23 20:21	ADL	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	630525	10/21/23 09:39	PFM	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630762	10/23/23 00:55	ADL	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	630184	10/19/23 08:58	AMH	EET DEN
Dissolved	Analysis	200.8		1			630466	10/20/23 06:55	LMT	EET DEN

Lab Chronicle

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182615-1

Client Sample ID: BSAG 23

Date Collected: 10/05/23 11:30
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			50 mL	50 mL	630184	10/19/23 08:58	AMH	EET DEN
Total Recoverable	Analysis	200.8		1			630466	10/20/23 06:55	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	629378	10/10/23 17:32	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			629347	10/10/23 19:14	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	629557	10/12/23 15:43	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		5	2 mL	2 mL	629058	10/09/23 12:35	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		10	2 mL	2 mL	629928	10/16/23 17:14	SL	EET DEN

Client Sample ID: BSAG 4

Date Collected: 10/05/23 13:45
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	630168	10/19/23 08:58	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			630471	10/19/23 20:26	ADL	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	630525	10/21/23 09:39	PFM	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630762	10/23/23 01:16	ADL	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	630168	10/19/23 08:58	AMH	EET DEN
Dissolved	Analysis	200.8		1			630685	10/20/23 22:02	LMT	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	630184	10/19/23 08:58	AMH	EET DEN
Total Recoverable	Analysis	200.8		1			630559	10/20/23 11:54	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	629378	10/10/23 17:46	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			629347	10/10/23 19:21	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	629560	10/12/23 15:46	SK	EET DEN
Total/NA	Analysis	SM 4500 Cl- E		1	2 mL	2 mL	629058	10/09/23 12:22	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		10	2 mL	2 mL	629928	10/16/23 17:21	SL	EET DEN

Client Sample ID: BSAG 22

Date Collected: 10/05/23 14:40
Date Received: 10/06/23 09:40

Lab Sample ID: 280-182615-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	630168	10/19/23 08:58	AMH	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			630471	10/19/23 20:30	ADL	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	630525	10/21/23 09:39	PFM	EET DEN
Total Recoverable	Analysis	200.7 Rev 4.4		1			630762	10/23/23 01:20	ADL	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	630168	10/19/23 08:58	AMH	EET DEN
Dissolved	Analysis	200.8		1			630685	10/20/23 22:05	LMT	EET DEN
Total Recoverable	Prep	200.7			50 mL	50 mL	630184	10/19/23 08:58	AMH	EET DEN
Total Recoverable	Analysis	200.8		1			630559	10/20/23 11:56	LMT	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	629378	10/10/23 17:48	BCR	EET DEN
Total/NA	Analysis	SM 2320B		1			629347	10/10/23 19:28	LL	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	629557	10/12/23 15:43	SK	EET DEN

Lab Chronicle

Client: New Mexico Environment Department
Project/Site: Annual Groundwater, NM

Job ID: 280-182615-1

Client Sample ID: BSAG 22

Lab Sample ID: 280-182615-5

Date Collected: 10/05/23 14:40

Matrix: Water

Date Received: 10/06/23 09:40

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	629058	10/09/23 12:22	SL	EET DEN
Total/NA	Analysis	SM 4500 SO4 E		10	2 mL	2 mL	629928	10/16/23 17:21	SL	EET DEN

Client Sample ID: BSAG 28

Lab Sample ID: 280-182615-6

Date Collected: 10/05/23 16:00

Matrix: Water

Date Received: 10/06/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	630546	10/21/23 09:00	MSM	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			630756	10/23/23 02:28	ADL	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	630546	10/21/23 09:00	MSM	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			630882	10/23/23 15:21	ADL	EET DEN
Total/NA	Analysis	SM 2320B		1			629347	10/10/23 19:36	LL	EET DEN

Laboratory References:

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

Accreditation/Certification Summary

Client: New Mexico Environment Department
Job ID: 280-182615-1
Project/Site: Annual Groundwater, NM

Laboratory: Eurofins Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-23
A2LA	ISO/IEC 17025	2907.01	10-31-23
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-10-24
Arizona	State	AZ0713	12-20-23
Arkansas DEQ	State	19-047-0	05-31-23 *
California	State	2513	01-09-24
Connecticut	State	PH-0686	09-30-24
Florida	NELAP	E87667-57	06-30-24
Georgia	State	4025-011	01-08-24
Illinois	NELAP	2000172019-1	04-30-24
Iowa	State	370	12-01-24
Kansas	NELAP	E-10166	04-30-24
Kentucky (WW)	State	KY98047	12-31-23
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-23 *
Louisiana (All)	NELAP	30785	06-30-24
Minnesota	NELAP	1788752	12-31-23
Nevada	State	CO000262020-1	07-31-24
New Hampshire	NELAP	2053	04-28-24
New Jersey	NELAP	230001	06-30-24
New York	NELAP	59923	03-31-24
North Carolina (WW/SW)	State	358	12-31-23
North Dakota	State	R-034	01-08-24
Oklahoma	NELAP	8614	08-31-24
Oregon	NELAP	4025-019	01-08-24
Pennsylvania	NELAP	013	07-31-24
South Carolina	State	72002001	01-08-24
Texas	NELAP	TX104704183-08-TX	09-30-09 *
USDA	US Federal Programs	P330-20-00065	12-19-25
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-24
Virginia	NELAP	460232	06-14-24
Washington	State	C583	08-03-24
West Virginia DEP	State	354	11-30-23
Wisconsin	State	999615430	08-31-24
Wyoming (UST)	A2LA	2907.01	10-31-22 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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

Chain of Custody Record

eurofins | Environment Testing

Client Information			
Client Contact: NM Invoices	Sampler: Amber Rheuhatten	Lab PM: McElheny, Megan E	Carrier Tracking No(s):
	Phone: 505-660-2378	E-Mail: Megan.Mcelheny@et.eurofinsus.com	State of Origin: NM
Company: New Mexico Environment Department	PWSID:		COC No: 280-133525-36980.3
Address: PO BOX 5469	Due Date Requested:		Page: Page 3 of 3
City: Santa Fe	TAT Requested (days):		Job #:
State, Zip: NM, 87502	Compliance Project: Δ Yes Δ No		
Phone: 505-660-2378(Tel)	PO #: Purchase Order Requested		
Email: gwqb.invoices@state.nm.us Raymond Cibily	WO #:		
Project Name: Annual Groundwater, NM	Project #: 28025541		
Site:	SSOW#:		

Analysis Requested

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)	200.7 - Diss Metals (Ca, Mg, K, Na, Si)	200.8 - Diss Metals (As, Mo, Se, U)	SM2320B - Alkalinity	353.2 - Nitrogen	2540C - TDS	SM4500 - Sulfate	SM4500 - Chloride	200.7 - Total Metals (Ca, Mg, K, Na, Si)	200.8 - Total Metals (As, Mo, Se, U)	Total Number of containers	Special Instructions/Note: Send Results to Amber Rheuhatten
			Preservation Code:		X	X	D	D	N	S	N	N	N	D	D	X	
BSTG 24	10/5/23	10:50A	G	Water			|	|	|	|	|	|	|	|	|		
BSTG 24C	10/5/23	10:15A	G	Water			|	|	|	|	|	|	|	|	|		
BSTG 23	10/5/23	11:30A	G	Water			|	|	|	|	|	|	|	|	|		

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:

280-182615 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: Dat-EDD

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Amber Rheuhatten	Date/Time: 10/5/23 7:45 PM	Company	Received by: [signature]	Date/Time: 10/6/23 940	Company: EETDEN
Relinquished by	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: -0.3, 2.1 CF.3 MOMO

Ver. 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler:	Lab PM: McElheny, Megan E	Carrier Tracking No(s):	COC No: 280-133525-36980.3
Client Contact: NM Invoices	Phone:	E-Mail: Megan.Mcelheny@et.eurofinsus.com	State of Origin:	Page: Page 3 of 3
Company: New Mexico Environment Department	PWSID:			Job #:
Address: PO BOX 5469	Due Date Requested:			
City: Santa Fe	TAT Requested (days):			
State, Zip: NM, 87502	Compliance Project: Δ Yes Δ No			
Phone: 505-660-2378(Tel)	PO #: Purchase Order Requested			
Email: gwqb.invoices@state.nm.us	WO #:			
Project Name: Annual Groundwater, NM	Project #: 28025541			
Site:	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:

Special Instructions/Note:

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)	200.7 - Diss Metals (Ca, Mg, K, Na, Si)	200.8 - Diss Metals (As, Mo, Se, U)	SM2320B - Alkalinity	353.2 - Nitrogen	2540C - TDS	SM4500 - Sulfate	SM4500 - Chloride	200.7 - Total Metals (Ca, Mg, K, Na, Si)	200.8 - Total Metals (As, Mo, Se, U)	Total Number of Containers
			Preservation Code:				D	D	N	S	N	N	N	D	D	
	10/6/23	1453	G	Water												
	10/6/23	1540	G	Water												
	10/6/23	1210	G	Water			X		X							

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
	10/6/23 1710			10/6/23 940	EETDEN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: -0.2, 2.1, 0-7.3 MGMD

Ver: 01/16/2019

280-182615 Waybill

FedEx Express
Expanded Billable Stamp
Use only for shipments within the U.S.
Saturday delivery available.
1 From See optional release signature below.
ORDER: 00875545
eurofins
Environment Testing
TestAmerica
2313350
DECLARED VALUE $10
PACKAGE WEIGHT
2 To Shipment will not be accepted if address below is altered.
SAMPLE RECEIVING
EUROFINS DENVER
4955 YARROW ST
ARVADA CO 80002
(303) 736-0100
FedEx Priority Overnight
NONREDEEMABLE
Release back for declared
site information and important
terms and conditions.
SATURDAY DELIVERY
Shipments tendered on Friday
are delivered on Saturday to
most locations.
FedEx TRK# 0667 8180 3783 4630
XS LAAA
FRI - 06 OCT AA
PRIORITY OVERNIGHT
80002
CO-US
DEN
3435337 06Oct2023 ABQR 581G9/3D0A/C0B8

FedEx Express
Expanded Billable Stamp
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eurofins
Environment Testing
TestAmerica
2313351
SIGNATURE
DATE
Custody Seal
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FedEx Priority Overnight
NONREDEEMABLE
Release back for declared
site information and important
terms and conditions.
SATURDAY DELIVERY
Shipments tendered on Friday
are delivered on Saturday to
most locations.
FedEx TRK# 0667 8180 3783 4641
XS LAAA
FRI - 06 OCT AA
PRIORITY OVERNIGHT
80002
CO-US
DEN
3435337 06Oct2023 ABQR 581G9/3D0A/C0B8

Login Sample Receipt Checklist

Client: New Mexico Environment Department

Job Number: 280-182615-1

Login Number: 182615
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.	True	
Cooler Temperature is acceptable.	True	
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)	True	
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	