DEPARTMENT OF ENERGY
Environmental Management Los Alamos Field Office (EM-LA)
Los Alamos, New Mexico 87544

EMLA-23-BF304-2-1

August 24, 2023

Mr. Rick Shean
Designated Agency Manager
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6313

Subject: Monthly Notification of Groundwater Data Reviewed in August 2023

Dear Mr. Shean:

This letter is the written submission of the U.S. Department of Energy (DOE) Environmental Management Los Alamos Field Office (EM-LA) and Newport News Nuclear BWXT-Los Alamos, LLC (N3B) in accordance with Section XXVI.D of the 2016 Compliance Order on Consent modified February 2017 (Consent Order). Members of EM-LA and N3B met on August 10, 2023, to review groundwater data loaded or released in the Environmental Information Management System (EIMS) during the previous calendar month. The enclosed report was prepared by comparing the data against groundwater notification criteria as defined in Section IX of the Consent Order. These criteria consider New Mexico Water Quality Control Commission (NMWQCC) groundwater standards, U.S. Environmental Protection Agency (EPA) maximum contaminant levels (MCLs), New Mexico Environment Department (NMED) screening levels for tap water, EPA regional screening levels for tap water, and NMED-approved background values for hydrogeological zones as set forth in the "Groundwater Background Investigation Report, Revision 5." The EPA's tap water standard for carcinogenic risk values were adjusted to 1×10^{-5}, as specified in the Consent Order.

The enclosed report was prepared using the November 2022 EPA regional screening levels for tap water; the NMWQCC groundwater standards published December 21, 2018; and the June 2022 Table A-1 of "Risk Assessment Guidance for Site Investigations and Remediation" for NMED tap water screening levels.

This report also includes analytical data from samples collected at a location within the Pueblo de San Ildefonso, which are subject to reporting at this time. These data have been reviewed by the Pueblo, as required under the 2014 Memorandum of Agreement (as amended in 2015) between the DOE National Nuclear Security Administration Los Alamos Field Office, EM-LA, and the Pueblo de San Ildefonso.

1-Day Notification

One-day oral notification was not required during the calendar month, because no contaminants were detected in a well screen interval or spring at a concentration that exceeded either the NMWQCC groundwater standard or federal MCL, at locations where such contaminants have not previously been detected above the respective standards as defined in the Consent Order (based on samples collected since June 14, 2007).

15-Day Notification

The information required for constituents that meet the five reporting criteria requiring written notification within 15 days is provided in the enclosed report and tables.

If you have questions, please contact Amanda White at (505) 309-1366 (amanda.white@em-la.doe.gov) or Hai Shen at (505) 709-7600 (hai.shen@em.doe.gov).

Sincerely,

ARTURO DURAN
Digitally signed by ARTURO DURAN
Date: 2023.08.24 06:55:04 -06'00'

Arturo Q. Duran
Compliance and Permitting Manager
U.S. Department of Energy
Environmental Management
Los Alamos Field Office

Enclosure(s):
1. Summary of Groundwater Data Reviewed in August 2023 that Meet Notification Requirements (EM2023-0586)

cc (letter with CD/DVD enclosure[s]):
Steven Lynne, Los Alamos County, Los Alamos, NM (2 copies)

cc (letter and enclosure[s] emailed):
Laurie King, EPA Region 6, Dallas, TX
Raymond Martinez, San Ildefonso Pueblo, NM
Dino Chavarria, Santa Clara Pueblo, NM
David Gomez, Los Alamos County, Los Alamos, NM
Steve Yanicak, NMED-DOE-OB
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SUMMARY OF GROUNDWATER DATA REVIEWED IN AUGUST 2023
THAT MEET NOTIFICATION REQUIREMENTS

INTRODUCTION

This report provides information to the New Mexico Environment Department (NMED) concerning recent groundwater monitoring data obtained by Newport News Nuclear BWXT-Los Alamos, LLC (N3B) under the annual "Interim Facility-Wide Groundwater Monitoring Plan, Revision 1" (IFGMP) for the 2023 monitoring year (N3B 2022, 702346). The report contains results for contaminants and other chemical constituents that meet the five screening criteria described in Section XXVI.D of the 2016 Compliance Order on Consent, modified February 2017 (Consent Order). The report covers groundwater samples collected from wells or springs (listed in the accompanying tables) that provide surveillance of the hydrogeological zones at Los Alamos National Laboratory (LANL or the Laboratory), as indicated in the tables.

The report includes two tables. Table 1, NMED 7-23 Groundwater Report, presents categorical results since June 14, 2007, that meet the five reporting criteria as specified in the Consent Order. Table 2, NMED 7-23 Groundwater Report Addendum, presents results that exceed the 95th percentile of the results in the data set defined in the "Groundwater Background Investigation Report, Revision 5" (GBIR) (LANL 2016, 601920). Only the contaminants and other chemical constituents that lack a calculated groundwater background value (i.e., the frequency of detections was too low to calculate a background value at the 95% upper tolerance level) are listed in this table. Table 2 is a voluntary submission by N3B to NMED that identifies the potential risk resulting from contaminants and other chemical constituents that are without defined background values.

These tables include the following:

- comments on results that appear to be exceptional based on consideration of monitoring data acquired from previous analyses (using statistics described below);
- supplemental information summarizing monitoring results obtained from previous analyses; and
- sampling date, name of the well or spring, location of the well or spring, depth of the screened interval, groundwater zone sampled, analytical result, detection limit, values for regulatory standards or screening levels, and analytical and secondary validation qualifiers.

Additional information describing the locations and analytical data is included. All data have been through secondary validation.

This report was prepared by comparing the data against groundwater notification criteria as defined in Section IX of the Consent Order. These criteria consider New Mexico Water Quality Control Commission (NMWQCC) groundwater standards, U.S. Environmental Protection Agency (EPA) maximum contaminant levels (MCLs), NMED screening levels for tap water, EPA regional screening levels for tap water, and NMED-approved background values for hydrogeological zones as set forth in the GBIR. The EPA's tap water standard carcinogenic risk values were adjusted to 1×10^{-5}, as specified in the Consent Order. This report was prepared using the November 2022 EPA regional screening levels for tap water; the NMWQCC groundwater standards published December 21, 2018; and the NMED tap water screening levels specified in the June 2022 Table A-1 of "Risk Assessment Guidance for Site Investigations and Remediation" (Risk Assessment Guidance) (NMED 2022, 702141, Table A-1).

Background values applied in Table 1 notification criterion C4 are the background values for hydrogeological zones as set forth in the GBIR.

Screening values applied in Table 2 criteria XC2scr and XC4scr are the 95th percentile of the data set used to establish background as defined in the GBIR.

DESCRIPTION OF TABLES

1-Day Notification Requirement

One-day notification is required upon the detection of a contaminant in a well screen interval or spring at a concentration that exceeds either the NMWQCC water quality standard or the EPA MCL if that contaminant has not previously exceeded either of these standards at that location. N3B, under the direction of the U.S. Department of Energy Environmental Management Los Alamos Field Office (DOE EM-LA), notifies NMED of any such data orally within 1 business day following the review of monthly analytical data. Data in the 1-day notification is also included in the 15-day notification table. Such exceedance data are identified under the Criterion Code A (CA) in notifications.

15-Day Notification Requirement

Table 1 is divided into separate categories that correspond to the five screening criteria in Section XXVI.D of the Consent Order. In several cases, data met more than one of the notification criteria and, therefore, appear in the table multiple times.

The criterion (C) codes and their definitions are as follows:

C1. Detection of a contaminant that is an organic compound in a spring or screened interval of a well if that contaminant has not previously been detected in the spring or screened interval

C2. Detection of a contaminant that is a metal or other inorganic compound at a concentration above the background level in a spring or screened interval of a well if that contaminant has not previously exceeded the background level in the spring or screened interval

C3. Detection of a contaminant in a spring or screened interval of a well at a concentration that (1) exceeds the lower of either one-half the NMWQCC water quality standard or one-half the federal MCL, or, if there is no such standard for the contaminant, (2) exceeds one-half the tap water screening levels in Table A-1 of NMED's Risk Assessment Guidance, or, if there is no NMED tap water screening level available for a contaminant, (3) exceeds one-half the EPA regional human health medium-specific screening level for tap water if that contaminant has not previously exceeded one-half such standard or screening level in the spring or screened interval

C4. Detection of a contaminant that is a metal or other inorganic compound in a spring or screened interval of a well at a concentration that exceeds 2 times the background level for the third consecutive sampling of the spring or screened interval

C5. Detection of a contaminant in a spring or screened interval of a well at a concentration that exceeds either one-half the NMWQCC water quality standard or one-half the federal MCL and which has increased for the third consecutive sampling of that spring or screened interval

Table 2 is divided into two categories that correspond to two screening criteria. They mirror C2 and C4 in Table 1, respectively.

The two criteria are as follows:

XC2scr Detection of a contaminant that is a metal or other inorganic compound at a concentration above the 95th percentile in a spring or screened interval of a well, if that contaminant has not previously exceeded the 95th percentile of the data set used to establish background in the spring or screened interval as defined in the GBIR

XC4scr Detection of a contaminant that is a metal or other inorganic compound in a spring or screened interval of a well at a concentration that, for the third consecutive sampling, exceeds 2 times the 95th percentile of the data set used to establish background as defined in the GBIR

Columns 2 through 8 in both tables provide summary statistics for metals or organic/inorganic compounds by field preparation code (e.g., filtered [F] aluminum) for samples collected since January 1, 2000, including the currently reported data. The statistics include the date of the first sampling event; the number of sampling events and samples analyzed; the number of detections; and the minimum, maximum, and median concentration for detections. This information indicates whether the new result is consistent with the range of earlier data.

The subsequent columns contain location and sampling information as follows:

Canyon—canyon where monitoring location is found

Zone—hydrogeological zone from which the groundwater sample was collected (e.g., alluvial spring)

Location—monitoring location name

Screen Depth—depth of top of well screen in feet (0 for springs, -1 if unknown)

Start Date—date the sample was collected

Fld QC Type Code—identifies regular samples (REG) or field duplicates (FD)

Fld Prep Code—identifies whether samples are filtered (F) or unfiltered (UF)

Lab Sample Type Code—indicates whether result is a primary sample (INIT) or reanalysis (RE)

Analytical Suite Code—analytical suite (such as volatile organic compounds) for analyzed compound

Analyte Description—name of analyte

Analyte—chemical symbol for analyte or CAS (Chemical Abstracts Service) number for organic compounds

Std Result—analytical result in standard measurement units

Result/Median—ratio of the Std Result to the median of all detections since 2000

LVL Type/Risk Code—type of regulatory standard, screening level, or background value (indicating groundwater zone) used for comparison

Screen Level—value of the LVL Type/Risk Code

Exceedance Ratio—ratio of Std Result to LVL Type/Risk Code. In earlier versions of this report, the ratio was divided by the basis for comparison in the criterion, but that is no longer the case. For example, for a criterion (such as C3) that compares the value with one-half the standard, a value equal to a standard previously had an exceedance ratio of 2. The current report shows this ratio as 1.

Std MDL—method detection limit in standard measurement units

Std UOM—standard units of measurement

Dilution Factor—amount by which the sample was diluted to measure the concentration

Lab Qualifier—analytical laboratory qualifier indicating analytical quality of the sample data

Validation Qualifier—the qualifier that indicates the effects of all processes associated with the sample (e.g., sample collection, additional quality control samples such as field duplicates) on the quality of the sample data

Validation Reason Code—an explanation of the reason for validation of the qualifiers

Analytical Method Code—analytical method number

Lab Code—analytical laboratory name

Comment—N3B comment regarding the analytical result

Acronyms and Abbreviations

The tables may include the following acronyms, abbreviations, and analytical laboratory codes and qualifiers:

CFA—Cape Fear Analytical, LLC

DOECAP—Department of Energy Consolidated Audit Program

DNX—hexahydro-1,3-dinitro-5-nitro-1,3,5-triazine

EPA MCL—U.S. Environmental Protection Agency maximum contaminant level

F—filtered

FD—field duplicate

GELC—GEL Laboratories, LLC, Division of the GEL Group, Charleston, South Carolina

GENINORG—General inorganic

HEXP—high explosive

HMX—octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine

HRGC/HRMS—high-resolution gas chromatography/high-resolution mass spectrometry

ICP-AES—inductively coupled plasma atomic emission spectroscopy

ICP-MS—inductively coupled plasma mass spectrometry

IFGMP—Interim Facility-Wide Groundwater Monitoring Plan

INIT—primary sample

LANL Int BG LV—Los Alamos National Laboratory intermediate background level

LANL Reg BG LV—Los Alamos National Laboratory regional background level

LCMS/MS—liquid chromatography mass spectrometry/mass spectrometry

LCS—laboratory control sample

MDL—method detection limit

MNX—hexahydro-1-nitroso-3,5-dinitro-1,3,5-triazine

MS—matrix spike

MSD—matrix spike duplicate

n/a—not applicable

NM GW STD—New Mexico Water Quality Control Commission groundwater standard

NMED A1 TAP SCRN LVL—New Mexico Environment Department Table A-1 screening level for tap water

NTU—nephelometric turbidity unit

PETN—pentaerythritol tetranitrate

PFAS—per- and polyfluoroalkyl substances

PQL—practical quantitation limit

RDX—Royal Demolition Explosive (hexahydro-1,3,5-trinitro-1,3,5-triazine)

RE—reanalysis

REG—regular sample

RL—reporting limit

RPD—relative percent difference

SIM—selected ion monitoring

SVOC—semivolatile organic compound

SwRI—Southwest Research Institute

RI—Reissue

TDS—total dissolved solids

TNX—2,4,6-trinitroxylene

UAL—upper acceptance limit

UF—unfiltered

UOM—unit of measurement

VOC—volatile organic compound

Analytical Laboratory Codes and Qualifiers

I6b (validation reason code)—The associated matrix spike percent recovery is greater than the upper acceptance limit.

J (lab qualifier)—The associated numerical value is an estimated quantity.

J (validation qualifier)—The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual.

J+ (validation qualifier)—The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.

J- (validation qualifier)—The analyte is classified as detected but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.

J_LAB (validation reason code)—The analytical laboratory qualified the detected result as estimated (J) because the result was less the practical quantitation limit but greater than the method detection limit.

NQ (validation qualifier)—No validation qualifier flag is associated with this result, and the analyte is classified as detected.

NQ (validation reason code)—The analytical laboratory did not qualifiy the analyte as not detected and/or any other standard qualifier. The analyte is detected in the sample.

REFERENCES

The following reference list includes documents cited in this report. Parenthetical information following each reference provides the author(s), publication date, and ERID, ESHID, or EMID. ERIDs were assigned by the Laboratory's Associate Directorate for Environmental Management (IDs through 599999); ESHIDs were assigned by the Laboratory's Associate Directorate for Environment, Safety, and Health (IDs 600000 through 699999); and EMIDs are assigned by N3B (IDs 700000 and above).

LANL (Los Alamos National Laboratory), October 27, 2016. "Groundwater Background Investigation Report, Revision 5," Los Alamos National Laboratory document LA-UR-16-27907, Los Alamos, New Mexico. (LANL 2016, 601920)

N3B (Newport News Nuclear BWXT-Los Alamos, LLC), September 2022. "Interim Facility-Wide Groundwater Monitoring Plan for the 2023 Monitoring Year, October 2022–September 2023, Revision 1," Newport News Nuclear BWXT-Los Alamos, LLC, document EM2022-0656, Los Alamos, New Mexico. (N3B 2022, 702346)

NMED (New Mexico Environment Department), June 2022. "Risk Assessment Guidance for Site Investigations and Remediation, Volume 1, Soil Screening Guidance for Human Health Risk Assessments," Hazardous Waste Bureau and Ground Water Quality Bureau, Santa Fe, New Mexico. (NMED 2022, 702141)

Table 1: NMED 7-23 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth (ft)	Start Date	Fld QC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std MDL	Std UOM	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
C1	1	1	6/8/2023	3.04	3.04	3.04	1	Upper Los Alamos Canyon	Alluvial	LAO-1.6g	10.47	6/8/2023	REG	UF	INIT	LCMS/MS	Perfluorohexane sulfonic acid	355-46-4	3.04	1	NMED A1 TAP SCRN LVL	401	0	0.563	ng/L	1.00	__[a]	NQ	NQ	EPA:537M	GELC	
C1	1	1	6/8/2023	3.89	3.89	3.89	1	Upper Los Alamos Canyon	Alluvial	LAO-1.6g	10.47	6/8/2023	REG	UF	INIT	LCMS/MS	Perfluorooctane sulfonic acid	1763-23-1	3.89	1	NMED A1 TAP SCRN LVL	60	0.1	0.682	ng/L	1.00	—	NQ	NQ	EPA:537M	GELC	
C1	16	18	9/24/2001	1.8	2.52	3.27	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	4/18/2023	REG	UF	INIT	VOC	Acetone	67-64-1	2.52	1	NMED A1 TAP SCRN LVL	14100	0	1.74	µg/L	1.00	J	J	J_LAB	SW-846:8260D	GELC	
C2	20	29	2/28/2006	52.2	61.2	68.7	29	Pueblo Canyon	Regional Top	R-4	792.9	6/12/2023	REG	F	INIT	Geninorg	Hardness	Hardness	68.7	1.1	LANL Reg BG LVL	67.1	1	0.453	mg/L	1.00	—	NQ	NQ	SM:A2340B	GELC	
C2	93	98	2/17/2009	52.1	62.65	77	98	Mortandad Canyon	Regional Top	R-44 S1[b]	895.0	6/6/2023	REG	F	INIT	Geninorg	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	77.0	1.2	LANL Reg BG LVL	72.9	1.1	0.725	mg/L	1.00	—	NQ	NQ	EPA:310.1	GELC	
C3	15	19	6/23/2000	21	43.5	167	19	Upper Los Alamos Canyon	Alluvial	LAO-1.6g	10.47	6/8/2023	REG	F	INIT	Geninorg	Chloride	Cl(-1)	167	3.8	NM GW STD	250	0.7	3.35	mg/L	50.0	—	NQ	NQ	EPA:300.0	GELC	
C4	34	36	8/4/2020	10.7	14.3	19.3	36	Mortandad Canyon	Regional Deep	R-70 S2[c,d]	1048.0	6/16/2023	REG	F	INIT	Geninorg	Chloride	Cl(-1)	13.7	1	LANL Reg BG LVL	2.7	5.1	0.134	mg/L	2.00	—	J+	I6b	EPA:300.0	GELC	
C4	34	36	8/4/2020	131	180.5	272	36	Mortandad Canyon	Regional Deep	R-70 S2[d]	1048.0	6/16/2023	REG	F	INIT	Metals	Chromium	Cr	172	1	LANL Reg BG LVL	7.48	23	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	34	36	8/4/2020	2.59	3.455	4.06	36	Mortandad Canyon	Regional Deep	R-70 S2[d]	1048.0	6/16/2023	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.60	1	LANL Reg BG LVL	0.769	4.7	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	
C4	35	39	8/4/2020	0.208	2.43	2.92	39	Mortandad Canyon	Regional Top	R-70 S1[d]	963.0	6/16/2023	FD	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.29	0.9	LANL Reg BG LVL	0.769	3	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	
C4	35	39	8/4/2020	0.208	2.43	2.92	39	Mortandad Canyon	Regional Top	R-70 S1[d]	963.0	6/16/2023	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	0.208	0.1	LANL Reg BG LVL	0.769	0.3	0.0850	mg/L	5.00	J	J	J_LAB	EPA:353.2	GELC	
C4	34	36	8/4/2020	17.5	22.8	32.6	36	Mortandad Canyon	Regional Deep	R-70 S2[d]	1048.0	6/16/2023	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	21.1	0.9	LANL Reg BG LVL	4.59	4.6	0.266	mg/L	2.00	—	J+	I6b	EPA:300.0	GELC	
C4	5	6	1/30/2022	5.24	5.48	5.76	6	Sandia Canyon	Regional Top	R-71 S1[d]	1285.0	6/8/2023	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.43	1	LANL Reg BG LVL	0.769	7.1	0.425	mg/L	25.0	—	NQ	NQ	EPA:353.2	GELC	
C4	6	7	1/23/2022	3.87	4.73	5.13	7	Sandia Canyon	Regional Deep	R-71 S2[d]	1349.7	6/8/2023	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.05	1.1	LANL Reg BG LVL	0.769	6.6	0.425	mg/L	25.0	—	NQ	NQ	EPA:353.2	GELC	
C4	6	7	1/30/2022	7.88	9.77	11.3	7	Sandia Canyon	Regional Top	R-71 S1[d]	1285.0	6/8/2023	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	9.21	0.9	LANL Reg BG LVL	4.59	2	0.133	mg/L	1.00	—	NQ	NQ	EPA:300.0	GELC	
C4	23	28	11/15/2005	6.96	7.58	8.56	28	Lower Los Alamos Canyon	Regional Top	R-24	825.0	6/8/2023	REG	F	INIT	Geninorg	Chloride	Cl(-1)	7.93	1	LANL Reg BG LVL	2.7	2.9	0.0670	mg/L	1.00	—	NQ	NQ	EPA:300.0	GELC	
C4	108	131	5/17/2005	2.27	5.61	9.25	131	Sandia Canyon	Regional Top	R-11	855.0	6/9/2023	FD	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	8.28	1.5	LANL Reg BG LVL	0.769	11	0.425	mg/L	25.0	—	NQ	NQ	EPA:353.2	GELC	
C4	108	131	5/17/2005	2.27	5.61	9.25	131	Sandia Canyon	Regional Top	R-11	855.0	6/9/2023	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	8.33	1.5	LANL Reg BG LVL	0.769	11	0.425	mg/L	25.0	—	NQ	NQ	EPA:353.2	GELC	
C4	108	131	5/17/2005	5.95	9.79	20.2	131	Sandia Canyon	Regional Top	R-11	855.0	6/9/2023	FD	F	INIT	Geninorg	Sulfate	SO4(-2)	11.0	1.1	LANL Reg BG LVL	4.59	2.4	0.133	mg/L	1.00	—	NQ	NQ	EPA:300.0	GELC	
C4	108	131	5/17/2005	5.95	9.79	20.2	131	Sandia Canyon	Regional Top	R-11	855.0	6/9/2023	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	11.0	1.1	LANL Reg BG LVL	4.59	2.4	0.133	mg/L	1.00	—	NQ	NQ	EPA:300.0	GELC	
C4	96	112	8/30/2007	68	347.5	408	112	Sandia Canyon	Regional Deep	R-35a	1013.1	6/17/2023	REG	F	INIT	Metals	Barium	Ba	329	0.9	LANL Reg BG LVL	38.1	8.6	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	95	112	8/30/2007	5.97	6.585	7.31	112	Sandia Canyon	Regional Deep	R-35a	1013.1	6/17/2023	REG	F	INIT	Geninorg	Chloride	Cl(-1)	6.67	1	LANL Reg BG LVL	2.7	2.5	0.0670	mg/L	1.00	—	J+	I6b	EPA:300.0	GELC	

Table 1: NMED 7-23 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth (ft)	Start Date	Fld QC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std MDL	Std UOM	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
C4	21	24	8/10/2006	150	157	164	24	Pueblo Canyon	Intermediate Perched	R-3i	215.2	6/12/2023	REG	F	INIT	Geninorg	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	155	1	LANL Int BG LVL	62	2.5	0.725	mg/L	1.00	—	NQ	NQ	EPA:310.1	GELC	
C4	20	22	8/10/2006	94.5	98.4	114	22	Pueblo Canyon	Intermediate Perched	R-3i	215.2	6/12/2023	REG	F	INIT	Metals	Barium	Ba	97.5	1	LANL Int BG LVL	13.5	7.2	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	20	22	8/10/2006	54.8	57.9	62.7	22	Pueblo Canyon	Intermediate Perched	R-3i	215.2	6/12/2023	REG	F	INIT	Metals	Calcium	Ca	55.6	1	LANL Int BG LVL	10.7	5.2	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	21	24	8/10/2006	34.4	43.1	47.3	24	Pueblo Canyon	Intermediate Perched	R-3i	215.2	6/12/2023	REG	F	INIT	Geninorg	Chloride	Cl(-1)	45.6	1.1	LANL Int BG LVL	3.11	15	0.670	mg/L	10.0	—	NQ	NQ	EPA:300.0	GELC	
C4	20	22	8/10/2006	179	210.5	227	22	Pueblo Canyon	Intermediate Perched	R-3i	215.2	6/12/2023	REG	F	INIT	Geninorg	Hardness	Hardness	202	1	LANL Int BG LVL	37.8	5.3	0.453	mg/L	1.00	—	NQ	NQ	SM:A2340B	GELC	
C4	20	22	8/10/2006	15.1	15.95	17.2	22	Pueblo Canyon	Intermediate Perched	R-3i	215.2	6/12/2023	REG	F	INIT	Metals	Magnesium	Mg	15.3	1	LANL Int BG LVL	3.14	4.9	0.11	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	21	24	8/10/2006	2.15	4.235	7.65	24	Pueblo Canyon	Intermediate Perched	R-3i	215.2	6/12/2023	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.58	0.8	LANL Int BG LVL	0.459	7.8	0.170	mg/L	10.0	—	NQ	NQ	EPA:353.2	GELC	
C4	19	22	4/9/2007	1.49	2.11	3.45	22	Pueblo Canyon	Intermediate Perched	R-3i	215.2	6/12/2023	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	1.58	0.7	LANL Int BG LVL	0.27	5.9	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	
C4	20	22	8/10/2006	5.23	5.865	6.17	22	Pueblo Canyon	Intermediate Perched	R-3i	215.2	6/12/2023	REG	F	INIT	Metals	Potassium	K	5.36	0.9	LANL Int BG LVL	2.35	2.3	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	20	22	8/10/2006	255	277	317	22	Pueblo Canyon	Intermediate Perched	R-3i	215.2	6/12/2023	REG	F	INIT	Metals	Strontium	Sr	267	1	LANL Int BG LVL	59.6	4.5	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	21	24	8/10/2006	20.1	28.3	30.7	24	Pueblo Canyon	Intermediate Perched	R-3i	215.2	6/12/2023	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	29.0	1	LANL Int BG LVL	7.1	4.1	1.33	mg/L	10.0	—	NQ	NQ	EPA:300.0	GELC	
C4	20	22	8/10/2006	6.94	8.675	10.2	22	Pueblo Canyon	Intermediate Perched	R-3i	215.2	6/12/2023	REG	F	INIT	Metals	Uranium	U	6.94	0.8	LANL Int BG LVL	0.992	7	0.0670	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	20	20	8/8/2006	141	169.5	296	20	Pueblo Canyon	Intermediate Perched	POI-4	159.0	6/7/2023	REG	F	INIT	Geninorg	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	149	0.9	LANL Int BG LVL	62	2.4	0.725	mg/L	1.00	—	NQ	NQ	EPA:310.1	GELC	
C4	19	19	8/8/2006	43.7	109	117	19	Pueblo Canyon	Intermediate Perched	POI-4	159.0	6/7/2023	REG	F	INIT	Metals	Barium	Ba	97.0	0.9	LANL Int BG LVL	13.5	7.2	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	19	19	8/8/2006	26.6	47.2	53	19	Pueblo Canyon	Intermediate Perched	POI-4	159.0	6/7/2023	REG	F	INIT	Metals	Calcium	Ca	36	0.8	LANL Int BG LVL	10.7	3.4	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	20	20	8/8/2006	42.5	47.55	50.4	20	Pueblo Canyon	Intermediate Perched	POI-4	159.0	6/7/2023	REG	F	INIT	Geninorg	Chloride	Cl(-1)	47.4	1	LANL Int BG LVL	3.11	15	0.670	mg/L	10.0	—	NQ	NQ	EPA:300.0	GELC	
C4	19	19	8/8/2006	103	168	184	19	Pueblo Canyon	Intermediate Perched	POI-4	159.0	6/7/2023	REG	F	INIT	Geninorg	Hardness	Hardness	131	0.8	LANL Int BG LVL	37.8	3.5	0.453	mg/L	1.00	—	NQ	NQ	SM:A2340B	GELC	
C4	19	19	8/8/2006	8.83	12.1	13.2	19	Pueblo Canyon	Intermediate Perched	POI-4	159.0	6/7/2023	REG	F	INIT	Metals	Magnesium	Mg	9.99	0.8	LANL Int BG LVL	3.14	3.2	0.11	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	20	20	5/7/2005	2.86	4.095	7.65	20	Pueblo Canyon	Intermediate Perched	POI-4	159.0	6/7/2023	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.86	0.7	LANL Int BG LVL	0.459	6.2	0.170	mg/L	10.0	—	NQ	NQ	EPA:353.2	GELC	
C4	19	19	8/8/2006	1.8	8.68	9.23	19	Pueblo Canyon	Intermediate Perched	POI-4	159.0	6/7/2023	REG	F	INIT	Metals	Potassium	K	7.49	0.9	LANL Int BG LVL	2.35	3.2	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	19	19	8/8/2006	13.1	44.9	53	19	Pueblo Canyon	Intermediate Perched	POI-4	159.0	6/7/2023	REG	F	INIT	Metals	Sodium	Na	42.4	0.9	LANL Int BG LVL	18.2	2.3	0.1	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	19	19	8/8/2006	115	243	269	19	Pueblo Canyon	Intermediate Perched	POI-4	159.0	6/7/2023	REG	F	INIT	Metals	Strontium	Sr	195	0.8	LANL Int BG LVL	59.6	3.3	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	20	20	8/8/2006	22.5	30.3	33	20	Pueblo Canyon	Intermediate Perched	POI-4	159.0	6/7/2023	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	28.1	0.9	LANL Int BG LVL	7.1	4	1.33	mg/L	10.0	—	NQ	NQ	EPA:300.0	GELC	

Table 1: NMED 7-23 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth (ft)	Start Date	Fld QC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std MDL	Std UOM	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
C4	19	27	4/17/2007	2	4.57	6.68	27	Pueblo Canyon	Regional Top	R-4	792.9	6/12/2023	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	2.95	0.6	LANL Reg BG LVL	0.414	7.1	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	
C4	96	103	2/28/2009	3	5.87	21.5	103	Mortandad Canyon	Regional Top	R-45 S1	880.0	6/5/2023	REG	F	INIT	Geninorg	Chloride	Cl(-1)	20.8	3.5	LANL Reg BG LVL	2.7	7.7	0.335	mg/L	5.00	—	NQ	NQ	EPA:300.0	GELC	
C4	96	103	2/28/2009	0.535	1.545	13.8	88	Mortandad Canyon	Regional Top	R-45 S1	880.0	6/5/2023	REG	F	INIT	Metals	Nickel	Ni	8.94	5.8	LANL Reg BG LVL	2.9	3.1	0.600	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	96	103	2/28/2009	0.256	2.88	4.1	103	Mortandad Canyon	Regional Top	R-45 S1	880.0	6/5/2023	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.30	1.1	LANL Reg BG LVL	0.769	4.3	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	
C4	96	103	2/28/2009	4.1	8.88	21.4	103	Mortandad Canyon	Regional Top	R-45 S1	880.0	6/5/2023	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	20.2	2.3	LANL Reg BG LVL	4.59	4.4	0.665	mg/L	5.00	—	NQ	NQ	EPA:300.0	GELC	
C4	95	103	3/5/2009	2.74	5.08	8.15	103	Mortandad Canyon	Regional Deep	R-45 S2	974.9	6/5/2023	REG	F	INIT	Geninorg	Chloride	Cl(-1)	7.03	1.4	LANL Reg BG LVL	2.7	2.6	0.0670	mg/L	1.00	—	NQ	NQ	EPA:300.0	GELC	
C4	95	108	3/5/2009	6.1	32.5	69.1	107	Mortandad Canyon	Regional Deep	R-45 S2	974.9	6/5/2023	REG	F	INIT	Metals	Chromium	Cr	56.4	1.7	LANL Reg BG LVL	7.48	7.5	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	82	94	5/20/2011	2.03	28.9	66.1	93	Mortandad Canyon	Regional Top	R-61 S1	1125.0	6/14/2023	REG	F	INIT	Metals	Chromium	Cr	60.8	2.1	LANL Reg BG LVL	7.48	8.1	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	82	94	5/20/2011	0.427	2.34	3.3	94	Mortandad Canyon	Regional Top	R-61 S1	1125.0	6/14/2023	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.54	1.1	LANL Reg BG LVL	0.769	3.3	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	
C4	81	93	5/20/2011	2.96	12.1	17	93	Mortandad Canyon	Regional Top	R-61 S1	1125.0	6/14/2023	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	12.5	1	LANL Reg BG LVL	0.414	30	5.00	µg/L	100	—	J	J_LAB	SW-846:6850	GELC	
C4	97	106	3/6/2010	4.68	15.75	22.4	106	Mortandad Canyon	Regional Top	R-50 S1	1077.0	6/15/2023	REG	F	INIT	Geninorg	Chloride	Cl(-1)	22.2	1.4	LANL Reg BG LVL	2.7	8.2	0.335	mg/L	5.00	—	J+	I6b	EPA:300.0	GELC	
C4	98	107	3/6/2010	1.51	6.7	26.5	107	Mortandad Canyon	Regional Top	R-50 S1	1077.0	6/15/2023	REG	F	INIT	Metals	Nickel	Ni	26.5	4	LANL Reg BG LVL	2.9	9.1	0.600	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	98	108	3/6/2010	0.398	2.345	3.21	108	Mortandad Canyon	Regional Top	R-50 S1	1077.0	6/15/2023	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.18	1.4	LANL Reg BG LVL	0.769	4.1	0.170	mg/L	10.0	—	NQ	NQ	EPA:353.2	GELC	
C4	97	106	3/6/2010	7.22	17.5	21.5	106	Mortandad Canyon	Regional Top	R-50 S1	1077.0	6/15/2023	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	20.8	1.2	LANL Reg BG LVL	4.59	4.5	0.665	mg/L	5.00	—	J+	I6b	EPA:300.0	GELC	
C4	93	98	2/17/2009	1.99	15.6	21.6	98	Mortandad Canyon	Regional Top	R-44 S1	895.0	6/6/2023	REG	F	INIT	Geninorg	Chloride	Cl(-1)	21.0	1.3	LANL Reg BG LVL	2.7	7.8	0.335	mg/L	5.00	—	NQ	NQ	EPA:300.0	GELC	
C4	93	98	2/17/2009	0.536	32.4	109	71	Mortandad Canyon	Regional Top	R-44 S1	895.0	06/6/2023	REG	F	INIT	Metals	Nickel	Ni	28.6	0.9	LANL Reg BG LVL	2.9	9.9	0.600	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	93	98	2/17/2009	2.76	14.6	21.4	98	Mortandad Canyon	Regional Top	R-44 S1	895.0	06/6/2023	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	19.9	1.4	LANL Reg BG LVL	4.59	4.3	0.665	mg/L	5.00	—	NQ	NQ	EPA:300.0	GELC	
C4	21	23	9/25/2000	36.4	42.8	64	23	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	4/18/2023	REG	F	INIT	Metals	Sodium	Na	44.5	1	LANL Reg BG LVL	16	2.8	0.1	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	17	19	9/13/2004	0.126	2	5.23	19	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	4/18/2023	REG	F	INIT	Metals	Uranium	U	5.23	2.6	LANL Reg BG LVL	1.19	4.4	0.0670	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	18	20	9/24/2001	3.1	16.9	40.2	20	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	4/18/2023	REG	F	INIT	Metals	Vanadium	V	34.6	2	LANL Reg BG LVL	11.4	3	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	

[a] — = Lab qualifier not applicable.

[b] S1 = Screen 1.

[c] S2 = Screen 2.

[d] Data pertaining to a well drilled at a target angle from the vertical. Depth value represents linear feet along (down) the borehole.

Table 2: NMED 7-23 Groundwater Report Addendum

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth	Start Date	Fld QC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std MDL	Std UOM	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
XC4scr	22	27	11/15/2005	41.8	64	51.15	26	Lower Los Alamos Canyon	Regional Top	R-24	825.0	6/8/2023	REG	F	INIT	Metals	Boron	B	49.5	1	Reg-Scr_95	18.7	2.6	15.0	µg/L	1.00	J	J	J_LAB	SW-846:6010D	GELC	
XC4scr	96	112	8/30/2007	137	199	169	112	Sandia Canyon	Regional Deep	R-35a	1013.1	6/17/2023	REG	F	INIT	Metals	Strontium	Sr	166	1	Reg-Scr_95	74.4	2.2	1.00	µg/L	1.00	—[a]	NQ	NQ	SW-846:6010D	GELC	
XC4scr	20	22	8/10/2006	84.6	172	109.5	22	Pueblo Canyon	Intermediate Perched	R-3i	215.2	6/12/2023	REG	F	INIT	Metals	Boron	B	172	1.6	Int-Scr_95	16.2	10.6	15.0	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
XC4scr	20	22	8/10/2006	6.32	9.7	7.8	22	Pueblo Canyon	Intermediate Perched	R-3i	215.2	6/12/2023	REG	F	INIT	Metals	Nickel	Ni	6.32	0.8	Int-Scr_95	2.93	2.2	0.600	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
XC4scr	21	24	8/10/2006	251	437	327.5	24	Pueblo Canyon	Intermediate Perched	R-3i	215.2	6/12/2023	REG	F	INIT	Geninorg	Total Dissolved Solids	TDS	300	0.9	Int-Scr_95	135	2.2	2.38	mg/L	1.00	—	NQ	NQ	EPA:160.1	GELC	
XC4scr	19	19	8/8/2006	21.8	252	230	19	Pueblo Canyon	Intermediate Perched	POI-4	159.0	6/7/2023	REG	F	INIT	Metals	Boron	B	210	0.9	Int-Scr_95	16.2	13	15.0	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
XC4scr	19	19	8/8/2006	6.78	13.1	9.66	19	Pueblo Canyon	Intermediate Perched	POI-4	159.0	6/7/2023	REG	F	INIT	Metals	Nickel	Ni	13.1	1.4	Int-Scr_95	2.93	4.5	0.600	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
XC4scr	20	20	8/8/2006	324	403	369.5	20	Pueblo Canyon	Intermediate Perched	POI-4	159.0	6/7/2023	REG	F	INIT	Geninorg	Total Dissolved Solids	TDS	324	0.9	Int-Scr_95	135	2.4	2.38	mg/L	1.00	—	NQ	NQ	EPA:160.1	GELC	
XC4scr	20	20	5/7/2005	0.032	1.69	1.11	20	Pueblo Canyon	Intermediate Perched	POI-4	159.0	6/7/2023	REG	F	INIT	Geninorg	Total Phosphate as Phosphorus	PO4-P	1.38	1.2	Int-Scr_95	0.178	7.8	0.0200	mg/L	1.00	—	NQ	NQ	EPA:365.4	GELC	
XC4scr	19	19	8/8/2006	1.17	3.69	2.89	19	Pueblo Canyon	Intermediate Perched	POI-4	159.0	6/7/2023	REG	F	INIT	Metals	Uranium	U	1.55	0.5	Int-Scr_95	0.614	2.5	0.0670	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
XC4scr	22	26	4/26/2005	3.7	11.7	7.27	15	Pueblo Canyon	Regional Top	R-2	906.4	6/12/2023	FD	F	INIT	Metals	Copper	Cu	11.1	1.5	Reg-Scr_95	3	3.7	3.00	µg/L	1.00	J	J	J_LAB	SW-846:6010D	GELC	
XC4scr	22	26	4/26/2005	3.7	11.7	7.27	15	Pueblo Canyon	Regional Top	R-2	906.4	6/12/2023	REG	F	INIT	Metals	Copper	Cu	10.9	1.5	Reg-Scr_95	3	3.6	3.00	µg/L	1.00	J	J	J_LAB	SW-846:6010D	GELC	
XC4scr	96	103	2/28/2009	0.0667	0.637	0.1285	62	Mortandad Canyon	Regional Top	R-45 S1[b]	880.0	6/5/2023	REG	F	INIT	Geninorg	Bromide	Br(-1)	0.152	1.2	Reg-Scr_95	0.067	2.3	0.0670	mg/L	1.00	J	J+	I6b	EPA:300.0	GELC	
XC4scr	82	94	5/20/2011	0.0531	11.8	0.371	88	Mortandad Canyon	Regional Top	R-61 S1	1125.0	6/14/2023	REG	F	INIT	Geninorg	Total Phosphate as Phosphorus	PO4-P	0.236	0.6	Reg-Scr_95	0.0822	2.9	0.0200	mg/L	1.00	—	NQ	NQ	EPA:365.4	GELC	
XC4scr	97	106	3/6/2010	0.0691	0.545	0.136	84	Mortandad Canyon	Regional Top	R-50 S1	1077.0	6/15/2023	REG	F	INIT	Geninorg	Bromide	Br(-1)	0.155	1.1	Reg-Scr_95	0.067	2.3	0.0670	mg/L	1.00	J	J+	I6b	EPA:300.0	GELC	
XC4scr	93	98	2/17/2009	0.0757	0.181	0.148	53	Mortandad Canyon	Regional Top	R-44 S1	895.0	6/6/2023	REG	F	INIT	Geninorg	Bromide	Br(-1)	0.155	1	Reg-Scr_95	0.067	2.3	0.0670	mg/L	1.00	J	J+	I6b	EPA:300.0	GELC	
XC4scr	18	20	9/24/2001	4.13	27.8	9.275	18	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	4/18/2023	REG	F	INIT	Metals	Arsenic	As	9.55	1	Reg-Scr_95	2.7	3.5	2.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
XC4scr	18	20	9/24/2001	41.2	72.5	46.05	20	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	4/18/2023	REG	F	INIT	Metals	Boron	B	48.1	1	Reg-Scr_95	18.7	2.6	15.0	µg/L	1.00	J	J	J_LAB	SW-846:6010D	GELC	
XC4scr	17	19	9/13/2004	167	230	184	19	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	4/18/2023	REG	F	INIT	Metals	Strontium	Sr	176	1	Reg-Scr_95	74.4	2.4	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	

[a] — = Lab qualifier not applicable.

[b] S1 = Screen 1.