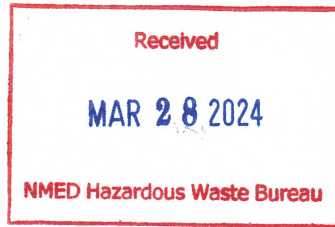




DEPARTMENT OF ENERGY
 Environmental Management Los Alamos Field Office (EM-LA)
 Los Alamos, New Mexico 87544



EMLA-24-BF200-2-1

March 28, 2024

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 March 2024

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 March 14, 2024, to review groundwater data loaded or released in the EIM (Environmental Information Management) system 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 was adjusted to 1×10^{-5} , as specified in the Consent Order.

The enclosed report was prepared using the November 2023 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 includes analytical data from samples collected at locations 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

The laboratory-based analytical result from a regular and field duplicate sample from one location was identified as exceeding either the NM WQCC groundwater standard or EPA MCL for the first time in such well screen interval or spring where it has not been previously detected above the respective standard (based on data collected since June 14, 2007). Perchlorate was detected at 14.9 µg/L and 14.0 µg/L in the Regular and Field Duplicate samples from well R-15 on January 22, 2024, exceeding the 13.8 µg/L NMWQCC groundwater standard.

15-Day Notification

The information required for constituents that meet at least one of 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: 2024.03.28
12:21:50 -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 March 2024 that Meet Notification Requirements (EM2024-0217)

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

Justin Ball, NMED-GWQB

Andrew Romero, NMED-GWQB

Melanie Sandoval, NMED-GWQB
Neelam Dhawan, NMED-HWB
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SUMMARY OF GROUNDWATER DATA REVIEWED IN MARCH 2024 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 2024 monitoring year (N3B 2023, 702924.11). The report contains results for contaminants and other chemical constituents that meet at least one of 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 2-24 Groundwater Report, presents categorical results since June 14, 2007, that meet one or more of the five reporting criteria as specified in the Consent Order. Table 2, NMED 2-24 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 and 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 uses the November 2023 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 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, 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

The data in Table 1 is sorted by 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. Some criteria may not appear in Table 1, if no samples in the current reporting period exceed the requirements of those criteria.

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, at a concentration above the background level, 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

The data in Table 2 are sorted by two screening criteria that 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 in a spring or screened interval of a well, 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:

CA—Criterion Code A

CFA—Cape Fear Analytical, LLC

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, SC

GENINORG—General inorganic

HEXP—high explosive

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

MDL—method detection limit

n/a—not applicable

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

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

PCB—polychlorinated biphenyl

REG—regular sample

SVOC—semivolatile organic compound

UF—unfiltered

UOM—unit of measurement

VOC—volatile organic compound

Analytical Laboratory Codes and Qualifiers

I4a (validation reason code)—The detected sample result is ≥ 5 times and < 100 times the detected concentration of the same analyte in the method blank.

I9 (validation reason code)—The holding time was greater than the applicable holding time requirement and was ≤ 2 times the applicable holding time requirement.

I10er (validation reason code)—The sample and laboratory duplicate results are ≥ 5 times the reporting limit and the relative percent difference exceeds the limits.

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 qualify 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), October 2023. "Interim Facility-Wide Groundwater Monitoring Plan for the 2024 Monitoring Year, October 2023–September 2024, Revision 1," Newport News Nuclear BWXT-Los Alamos, LLC, document EM2023-0634, Los Alamos, New Mexico. (N3B 2023, 702924.11)

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 2-24 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth (ft)	Start Date	Fid QC Type Code	Fid 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
CA	62	75	2/28/2007	5.34	14.9	9.05	73	Mortandad Canyon	Regional Top	R-15	958.6	1/22/2024	REG	F	INIT	LCMS/MS	Perchlorate	CIO4	14.9	2	NMED A1 TAP SCRN LVL	13.8	1.1	0.250	µg/L	5.00	— ^a	NQ	NQ	SW-846:6850	GELC	—
CA	62	75	2/28/2007	5.34	14.9	9.05	73	Mortandad Canyon	Regional Top	R-15	958.6	1/22/2024	FD	F	INIT	LCMS/MS	Perchlorate	CIO4	14.0	2	NMED A1 TAP SCRN LVL	13.8	1	0.250	µg/L	5.00	—	NQ	NQ	SW-846:6850	GELC	—
C2	12	12	11/4/2021	0.833	3.68	1.65	12	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	1/23/2024	REG	F	INIT	Metals	Nickel	Ni	3.68	2	LANL Reg BG LVL	2.9	1.3	0.600	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C2	1	1	11/16/2023	3.29	3.29	3.29	1	Sandia Canyon	Regional Deep	R-10 S1 ^b	874.0	11/16/2023	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	3.29	1	LANL Reg BG LVL	2.7	1.2	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	1	2	11/16/2023	6.46	6.47	6.465	2	Sandia Canyon	Regional Top	R-10a	690.0	11/16/2023	FD	F	INIT	General Chemistry	Chloride	Cl(-1)	6.47	1	LANL Reg BG LVL	2.7	2.4	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	1	2	11/16/2023	6.46	6.47	6.465	2	Sandia Canyon	Regional Top	R-10a	690.0	11/16/2023	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	6.46	1	LANL Reg BG LVL	2.7	2.4	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	1	2	11/16/2023	0.479	0.485	0.482	2	Sandia Canyon	Regional Top	R-10a	690.0	11/16/2023	REG	F	INIT	General Chemistry	Fluoride	F(-1)	0.479	1	LANL Reg BG LVL	0.377	1.3	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	1	2	11/16/2023	0.479	0.485	0.482	2	Sandia Canyon	Regional Top	R-10a	690.0	11/16/2023	FD	F	INIT	General Chemistry	Fluoride	F(-1)	0.485	1	LANL Reg BG LVL	0.377	1.3	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	1	2	11/16/2023	10.4	10.4	10.4	2	Sandia Canyon	Regional Top	R-10a	690.0	11/16/2023	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	10.4	1	LANL Reg BG LVL	4.59	2.3	0.133	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	1	2	11/16/2023	10.4	10.4	10.4	2	Sandia Canyon	Regional Top	R-10a	690.0	11/16/2023	FD	F	INIT	General Chemistry	Sulfate	SO4(-2)	10.4	1	LANL Reg BG LVL	4.59	2.3	0.133	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	2	3	10/30/2023	0.241	0.425	0.422	3	Mortandad Canyon	Regional Top	R-15	958.6	1/22/2024	FD	F	INIT	General Chemistry	Fluoride	F(-1)	0.425	1	LANL Reg BG LVL	0.377	1.1	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	2	3	10/30/2023	0.241	0.425	0.422	3	Mortandad Canyon	Regional Top	R-15	958.6	1/22/2024	REG	F	INIT	General Chemistry	Fluoride	F(-1)	0.422	1	LANL Reg BG LVL	0.377	1.1	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	1	1	1/31/2024	0.538	0.538	0.538	1	Mortandad Canyon	Regional Top	R-21	888.8	1/31/2024	REG	F	INIT	General Chemistry	Fluoride	F(-1)	0.538	1	LANL Reg BG LVL	0.377	1.4	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	1	1	1/30/2024	3.24	3.24	3.24	1	Pajarito Canyon	Regional Top	R-32 S1	867.5	1/30/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	3.24	1	LANL Reg BG LVL	2.7	1.2	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	1	1	1/30/2024	0.574	0.574	0.574	1	Pajarito Canyon	Regional Top	R-32 S1	867.5	1/30/2024	REG	F	INIT	General Chemistry	Fluoride	F(-1)	0.574	1	LANL Reg BG LVL	0.377	1.5	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	1	1	1/30/2024	5.01	5.01	5.01	1	Pajarito Canyon	Regional Top	R-32 S1	867.5	1/30/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	5.01	1	LANL Reg BG LVL	4.59	1.1	0.133	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	2	2	11/6/2023	0.282	0.471	0.3765	2	Mortandad Canyon	Regional Top	R-33 S1	995.5	1/23/2024	REG	F	INIT	General Chemistry	Fluoride	F(-1)	0.471	1	LANL Reg BG LVL	0.377	1.2	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	2	2	11/6/2023	2.03	2.9	2.465	2	Mortandad Canyon	Regional Deep	R-33 S2 ^c	1112.4	1/23/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	2.90	1	LANL Reg BG LVL	2.7	1.1	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	2	2	11/6/2023	0.276	0.538	0.407	2	Mortandad Canyon	Regional Deep	R-33 S2	1112.4	1/23/2024	REG	F	INIT	General Chemistry	Fluoride	F(-1)	0.538	1	LANL Reg BG LVL	0.377	1.4	0.0660	mg/L	2.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	1	1	11/9/2023	0.436	0.436	0.436	1	Mortandad Canyon	Regional Top	R-34	883.7	11/9/2023	REG	F	INIT	General Chemistry	Fluoride	F(-1)	0.436	1	LANL Reg BG LVL	0.377	1.2	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	55	62	6/7/2005	3.34	4.24	3.65	62	Mortandad Canyon	Regional Top	R-34	883.7	11/9/2023	REG	F	INIT	Metals	Magnesium	Mg	4.24	1	LANL Reg BG LVL	4.18	1	0.11	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
C2	1	1	1/31/2024	5.66	5.66	5.66	1	Mortandad Canyon	Intermediate Perched	R-37 S1	929.3	1/31/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	5.66	1	LANL Int BG LVL	3.11	1.8	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	1	1	1/31/2024	0.83	0.83	0.83	1	Mortandad Canyon	Intermediate Perched	R-37 S1	929.3	1/31/2024	REG	F	INIT	General Chemistry	Fluoride	F(-1)	0.830	1	LANL Int BG LVL	0.234	3.5	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	1	1	1/31/2024	10.7	10.7	10.7	1	Mortandad Canyon	Intermediate Perched	R-37 S1	929.3	1/31/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	10.7	1	LANL Int BG LVL	7.1	1.5	0.133	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	4	4	10/19/2023	0.274	0.385	0.2975	4	Mortandad Canyon	Regional Top	R-42	931.8	1/22/2024	REG	F	INIT	General Chemistry	Fluoride	F(-1)	0.385	1	LANL Reg BG LVL	0.377	1	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—

Table 1: NMED 2-24 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth (ft)	Start Date	Fid QC Type Code	Fid 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
C2	4	4	10/13/2023	0.208	0.489	0.268	4	Mortandad Canyon	Regional Top	R-61 S1	1125.0	1/9/2024	REG	F	INIT	General Chemistry	Fluoride	F(-1)	0.489	2	LANL Reg BG LVL	0.377	1.3	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	2	3	11/2/2023	0.157	0.407	0.407	3	Sandia Canyon	Regional Top	R-67	1242.6	1/9/2024	FD	F	INIT	General Chemistry	Fluoride	F(-1)	0.407	1	LANL Reg BG LVL	0.377	1.1	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	2	3	11/2/2023	0.157	0.407	0.407	3	Sandia Canyon	Regional Top	R-67	1242.6	1/9/2024	REG	F	INIT	General Chemistry	Fluoride	F(-1)	0.407	1	LANL Reg BG LVL	0.377	1.1	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	2	2	11/2/2023	0.176	0.773	0.4745	2	Sandia Canyon	Intermediate Perched	SCI-1	358.4	1/10/2024	REG	F	INIT	General Chemistry	Fluoride	F(-1)	0.773	2	LANL Int BG LVL	0.234	3.3	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	2	2	11/2/2023	0.212	0.283	0.2475	2	Sandia Canyon	Intermediate Perched	SCI-2	548.0	1/26/2024	REG	F	INIT	General Chemistry	Fluoride	F(-1)	0.283	1	LANL Int BG LVL	0.234	1.2	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	1	1	10/12/2023	3.04	3.04	3.04	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 1	0	10/12/2023	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	3.04	1	LANL Reg BG LVL	2.7	1.1	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	1	1	10/12/2023	0.494	0.494	0.494	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 1	0	10/12/2023	REG	F	INIT	General Chemistry	Fluoride	F(-1)	0.494	1	LANL Reg BG LVL	0.377	1.3	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C2	1	1	10/12/2023	6.8	6.8	6.8	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 1	0	10/12/2023	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	6.80	1	LANL Reg BG LVL	4.59	1.5	0.133	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C3	1	1	1/31/2024	0.83	0.83	0.83	1	Mortandad Canyon	Intermediate Perched	R-37 S1	929.3	1/31/2024	REG	F	INIT	General Chemistry	Fluoride	F(-1)	0.830	1	NM GW STD	1.6	0.5	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C4	4	4	10/10/2023	10.9	13.9	12.3	4	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	1/23/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	13.9	1	LANL Reg BG LVL	2.7	5.1	0.134	mg/L	2.00	—	NQ	NQ	SW-846:9056A	GELC	—
C4	12	12	11/4/2021	68.8	133	113	12	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	1/23/2024	REG	F	INIT	Metals	Chromium	Cr	133	1	LANL Reg BG LVL	7.48	18	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	12	12	11/4/2021	2.49	3.46	2.81	12	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	1/23/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.46	1	LANL Reg BG LVL	0.769	4.5	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	—
C4	12	12	11/4/2021	10.5	26.1	15.8	12	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	1/23/2024	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	26.1	2	LANL Reg BG LVL	0.414	63	0.250	µg/L	5.00	—	NQ	NQ	SW-846:6850	GELC	—
C4	4	4	10/10/2023	17	20	19.15	4	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	1/23/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	20.0	1	LANL Reg BG LVL	4.59	4.4	0.266	mg/L	2.00	—	NQ	NQ	SW-846:9056A	GELC	—
C4	12	13	11/10/2021	65.6	90.1	77.5	13	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	1/11/2024	REG	F	INIT	Metals	Barium	Ba	87.1	1	LANL Reg BG LVL	38.1	2.3	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
C4	12	13	11/10/2021	48.1	64.7	59.4	13	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	1/11/2024	REG	F	INIT	Metals	Calcium	Ca	64	1	LANL Reg BG LVL	17.03	3.8	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
C4	4	4	10/12/2023	56.3	57.3	56.65	4	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	1/11/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	56.4	1	LANL Reg BG LVL	2.7	21	0.670	mg/L	10.0	—	NQ	NQ	SW-846:9056A	GELC	—
C4	12	13	11/10/2021	179	269	216	13	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	1/11/2024	REG	F	INIT	Metals	Chromium	Cr	233	1	LANL Reg BG LVL	7.48	31	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	12	13	11/10/2021	168	228	208	13	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	1/11/2024	REG	F	INIT	Geninorg	Hardness	Hardness	227	1	LANL Reg BG LVL	67.1	3.4	0.453	mg/L	1.00	—	NQ	NQ	SM:A2340B	GELC	—
C4	12	13	11/10/2021	11.7	16.2	14.2	13	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	1/11/2024	REG	F	INIT	Metals	Magnesium	Mg	16.2	1	LANL Reg BG LVL	4.18	3.9	0.11	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
C4	12	13	11/10/2021	5.98	8.24	6.89	13	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	1/11/2024	REG	F	INIT	Metals	Nickel	Ni	7.53	1	LANL Reg BG LVL	2.9	2.6	0.600	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	12	13	11/10/2021	3.56	5.2	4.19	13	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	1/11/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.83	1	LANL Reg BG LVL	0.769	5	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	—
C4	12	13	11/10/2021	0.854	1.08	0.959	13	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	1/11/2024	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	0.907	1	LANL Reg BG LVL	0.414	2.2	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	—
C4	4	4	10/12/2023	66	69.4	67.1	4	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	1/11/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	66.0	1	LANL Reg BG LVL	4.59	14	1.33	mg/L	10.0	—	NQ	NQ	SW-846:9056A	GELC	—
C4	12	13	11/10/2021	309	393	354	13	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	1/11/2024	REG	F	INIT	Geninorg	Total Dissolved Solids	TDS	359	1	LANL Reg BG LVL	161	2.2	2.38	mg/L	1.00	H	J	I9	EPA:160.1	GELC	—
C4	12	13	11/10/2021	2.68	4.05	3.75	13	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	1/11/2024	REG	F	INIT	Metals	Uranium	U	4.05	1	LANL Reg BG LVL	1.19	3.4	0.0670	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	4	4	10/19/2023	21.9	22.4	22	4	Mortandad Canyon	Regional Top	CRPZ-3	939.4	1/11/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	21.9	1	LANL Reg BG LVL	2.7	8.1	0.268	mg/L	4.00	—	NQ	NQ	SW-846:9056A	GELC	—
C4	12	12	11/9/2021	297	510	427.5	12	Mortandad Canyon	Regional Top	CRPZ-3	939.4	1/11/2024	REG	F	INIT	Metals	Chromium	Cr	510	1	LANL Reg BG LVL	7.48	68	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	12	12	11/9/2021	7.24	9.63	8.685	12	Mortandad Canyon	Regional Top	CRPZ-3	939.4	1/11/2024	REG	F	INIT	Metals	Magnesium	Mg	9.3	1	LANL Reg BG LVL	4.18	2.2	0.11	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—

Table 1: NMED 2-24 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth (ft)	Start Date	Fid QC Type Code	Fid 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	12	12	11/9/2021	5.2	5.85	5.535	12	Mortandad Canyon	Regional Top	CRPZ-3	939.4	1/11/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.75	1	LANL Reg BG LVL	0.769	7.5	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	—
C4	12	12	11/9/2021	0.958	1.25	1.15	12	Mortandad Canyon	Regional Top	CRPZ-3	939.4	1/11/2024	REG	F	INIT	LCMS/MS	Perchlorate	CIO4	1.15	1	LANL Reg BG LVL	0.414	2.8	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	—
C4	4	4	10/19/2023	35.8	38.3	37.15	4	Mortandad Canyon	Regional Top	CRPZ-3	939.4	1/11/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	35.8	1	LANL Reg BG LVL	4.59	7.8	0.532	mg/L	4.00	—	NQ	NQ	SW-846:9056A	GELC	—
C4	115	139	5/17/2005	2.27	9.25	5.66	139	Sandia Canyon	Regional Top	R-11	855.0	1/9/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	7.36	1	LANL Reg BG LVL	0.769	9.6	0.170	mg/L	10.0	—	NQ	NQ	EPA:353.2	GELC	—
C4	108	127	6/13/2007	0.664	1.55	0.79	127	Sandia Canyon	Regional Top	R-11	855.0	1/9/2024	REG	F	INIT	LCMS/MS	Perchlorate	CIO4	0.879	1	LANL Reg BG LVL	0.414	2.1	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	—
C4	4	5	10/13/2023	10.4	11.4	11	5	Sandia Canyon	Regional Top	R-11	855.0	1/9/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	10.4	1	LANL Reg BG LVL	4.59	2.3	0.133	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C4	71	88	2/24/2000	2.6	18.2	11.7	85	Mortandad Canyon	Regional Top	R-15	958.6	1/22/2024	FD	F	INIT	Metals	Chromium	Cr	15.8	1	LANL Reg BG LVL	7.48	2.1	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	71	88	2/24/2000	2.6	18.2	11.7	85	Mortandad Canyon	Regional Top	R-15	958.6	1/22/2024	REG	F	INIT	Metals	Chromium	Cr	15.6	1	LANL Reg BG LVL	7.48	2.1	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	71	87	2/24/2000	1.35	3.31	2.12	87	Mortandad Canyon	Regional Top	R-15	958.6	1/22/2024	FD	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.50	1	LANL Reg BG LVL	0.769	3.3	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	—
C4	71	87	2/24/2000	1.35	3.31	2.12	87	Mortandad Canyon	Regional Top	R-15	958.6	1/22/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.58	1	LANL Reg BG LVL	0.769	3.4	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	—
C4	62	75	2/28/2007	5.34	14.9	9.05	73	Mortandad Canyon	Regional Top	R-15	958.6	1/22/2024	FD	F	INIT	LCMS/MS	Perchlorate	CIO4	14.0	2	LANL Reg BG LVL	0.414	34	0.250	µg/L	5.00	—	NQ	NQ	SW-846:6850	GELC	—
C4	62	75	2/28/2007	5.34	14.9	9.05	73	Mortandad Canyon	Regional Top	R-15	958.6	1/22/2024	REG	F	INIT	LCMS/MS	Perchlorate	CIO4	14.9	2	LANL Reg BG LVL	0.414	36	0.250	µg/L	5.00	—	NQ	NQ	SW-846:6850	GELC	—
C4	103	121	8/30/2007	68	408	348	121	Sandia Canyon	Regional Deep	R-35a	1013.1	1/19/2024	REG	F	INIT	Metals	Barium	Ba	326	1	LANL Reg BG LVL	38.1	8.6	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
C4	4	5	10/20/2023	6.33	6.65	6.44	5	Sandia Canyon	Regional Deep	R-35a	1013.1	1/19/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	6.65	1	LANL Reg BG LVL	2.7	2.5	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C4	59	68	3/12/2008	1.25	6.8	2.46	68	Sandia Canyon	Regional Top	R-36	766.9	1/10/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.91	1	LANL Reg BG LVL	0.769	3.8	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	—
C4	58	66	3/12/2008	0.845	1.74	1.455	66	Sandia Canyon	Regional Top	R-36	766.9	1/10/2024	REG	F	INIT	LCMS/MS	Perchlorate	CIO4	1.34	1	LANL Reg BG LVL	0.414	3.2	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	—
C4	24	28	7/13/2009	21.2	26.2	24.55	28	Mortandad Canyon	Intermediate Perched	R-37 S1	929.3	1/31/2024	REG	F	INIT	Metals	Calcium	Ca	24.5	1	LANL Int BG LVL	10.7	2.3	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
C4	24	28	7/13/2009	73.1	89.4	84.75	28	Mortandad Canyon	Intermediate Perched	R-37 S1	929.3	1/31/2024	REG	F	INIT	Geninorg	Hardness	Hardness	84.4	1	LANL Int BG LVL	37.8	2.2	0.453	mg/L	1.00	—	NQ	NQ	SM:A2340B	GELC	—
C4	36	38	10/9/2008	44.2	106	93.9	38	Mortandad Canyon	Regional Top	R-42	931.8	1/22/2024	REG	F	INIT	Metals	Barium	Ba	102	1	LANL Reg BG LVL	38.1	2.7	1.00	µg/L	1.00	—	J+	I4a	SW-846:6010D	GELC	—
C4	36	38	10/9/2008	22.2	59.9	51.5	38	Mortandad Canyon	Regional Top	R-42	931.8	1/22/2024	REG	F	INIT	Metals	Calcium	Ca	58.1	1	LANL Reg BG LVL	17.03	3.4	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
C4	4	4	10/19/2023	50.5	52.8	51.6	4	Mortandad Canyon	Regional Top	R-42	931.8	1/22/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	51.5	1	LANL Reg BG LVL	2.7	19	1.34	mg/L	20.0	—	NQ	NQ	SW-846:9056A	GELC	—
C4	36	47	10/9/2008	622	1240	885	47	Mortandad Canyon	Regional Top	R-42	931.8	1/22/2024	REG	F	INIT	Metals	Chromium	Cr	666	1	LANL Reg BG LVL	7.48	89	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	36	38	10/9/2008	94.3	221	188.5	38	Mortandad Canyon	Regional Top	R-42	931.8	1/22/2024	REG	F	INIT	Geninorg	Hardness	Hardness	216	1	LANL Reg BG LVL	67.1	3.2	0.453	mg/L	1.00	—	NQ	NQ	SM:A2340B	GELC	—
C4	36	38	10/9/2008	9.45	17.3	14.45	38	Mortandad Canyon	Regional Top	R-42	931.8	1/22/2024	REG	F	INIT	Metals	Magnesium	Mg	17.1	1	LANL Reg BG LVL	4.18	4.1	0.11	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
C4	36	38	10/9/2008	8.8	34	23.4	38	Mortandad Canyon	Regional Top	R-42	931.8	1/22/2024	REG	F	INIT	Metals	Nickel	Ni	23.3	1	LANL Reg BG LVL	2.9	8	0.600	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	36	38	10/9/2008	0.057	7.03	5.75	38	Mortandad Canyon	Regional Top	R-42	931.8	1/22/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.89	1	LANL Reg BG LVL	0.769	7.7	0.170	mg/L	10.0	—	NQ	NQ	EPA:353.2	GELC	—
C4	36	38	10/9/2008	0.873	1.46	1.24	38	Mortandad Canyon	Regional Top	R-42	931.8	1/22/2024	REG	F	INIT	LCMS/MS	Perchlorate	CIO4	1.03	1	LANL Reg BG LVL	0.414	2.5	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	—
C4	4	4	10/19/2023	85.5	89.3	88	4	Mortandad Canyon	Regional Top	R-42	931.8	1/22/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	87.6	1	LANL Reg BG LVL	4.59	19	2.66	mg/L	20.0	—	NQ	NQ	SW-846:9056A	GELC	—
C4	36	38	10/9/2008	180	394	341.5	38	Mortandad Canyon	Regional Top	R-42	931.8	1/22/2024	REG	F	INIT	Geninorg	Total Dissolved Solids	TDS	390	1	LANL Reg BG LVL	161	2.4	2.38	mg/L	1.00	—	J	I10er	EPA:160.1	GELC	—
C4	36	38	10/9/2008	1.95	31	5.14	35	Mortandad Canyon	Regional Top	R-42	931.8	1/22/2024	REG	F	INIT	Metals	Vanadium	V	30.2	6	LANL Reg BG LVL	11.4	2.6	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
C4	60	75	11/5/2008	2.35	223	146	72	Sandia Canyon	Regional Top	R-43 S1	903.9	1/17/2024	REG	F	INIT	Metals	Chromium	Cr	122	1	LANL Reg BG LVL	7.48	16	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—

Table 1: NMED 2-24 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth (ft)	Start Date	Fid QC Type Code	Fid 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	60	69	11/5/2008	4.63	6.15	5.315	68	Sandia Canyon	Regional Top	R-43 S1	903.9	1/17/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.58	1	LANL Reg BG LVL	0.769	7.3	0.170	mg/L	10.0	—	NQ	NQ	EPA:353.2	GELC	—
C4	59	71	11/10/2008	1.8	49.1	14.7	61	Sandia Canyon	Regional Deep	R-43 S2	969.1	1/17/2024	REG	F	INIT	Metals	Chromium	Cr	26.6	2	LANL Reg BG LVL	7.48	3.6	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	59	65	11/10/2008	0.389	5.4	3.54	65	Sandia Canyon	Regional Deep	R-43 S2	969.1	1/17/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.99	1	LANL Reg BG LVL	0.769	5.2	0.170	mg/L	10.0	—	NQ	NQ	EPA:353.2	GELC	—
C4	4	5	10/11/2023	19.5	20.5	20.4	5	Mortandad Canyon	Regional Top	R-44 S1	895.0	1/16/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	19.5	1	LANL Reg BG LVL	2.7	7.2	0.335	mg/L	5.00	—	NQ	NQ	SW-846:9056A	GELC	—
C4	100	106	2/17/2009	0.536	109	32.5	79	Mortandad Canyon	Regional Top	R-44 S1	895.0	1/16/2024	REG	F	INIT	Metals	Nickel	Ni	42.5	1	LANL Reg BG LVL	2.9	15	0.600	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	100	106	2/17/2009	0.123	3.86	2.32	105	Mortandad Canyon	Regional Top	R-44 S1	895.0	1/16/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.06	1	LANL Reg BG LVL	0.769	4	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	—
C4	4	5	10/11/2023	19	19.5	19.1	5	Mortandad Canyon	Regional Top	R-44 S1	895.0	1/16/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	19.0	1	LANL Reg BG LVL	4.59	4.1	0.665	mg/L	5.00	—	NQ	NQ	SW-846:9056A	GELC	—
C4	4	5	10/11/2023	11.5	21	18	5	Mortandad Canyon	Regional Top	R-45 S1	880.0	1/17/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	18.0	1	LANL Reg BG LVL	2.7	6.7	0.268	mg/L	4.00	—	NQ	NQ	SW-846:9056A	GELC	—
C4	103	111	2/28/2009	0.535	13.8	3.34	96	Mortandad Canyon	Regional Top	R-45 S1	880.0	1/17/2024	REG	F	INIT	Metals	Nickel	Ni	10.4	3	LANL Reg BG LVL	2.9	3.6	0.600	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	103	111	2/28/2009	0.256	4.1	2.92	111	Mortandad Canyon	Regional Top	R-45 S1	880.0	1/17/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.37	1	LANL Reg BG LVL	0.769	4.4	0.170	mg/L	10.0	—	NQ	NQ	EPA:353.2	GELC	—
C4	4	5	10/11/2023	17.2	26.6	19.9	5	Mortandad Canyon	Regional Top	R-45 S1	880.0	1/17/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	17.2	1	LANL Reg BG LVL	4.59	3.7	0.532	mg/L	4.00	—	NQ	NQ	SW-846:9056A	GELC	—
C4	4	4	10/11/2023	7.1	7.29	7.19	4	Mortandad Canyon	Regional Deep	R-45 S2	974.9	1/17/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	7.23	1	LANL Reg BG LVL	2.7	2.7	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
C4	102	115	3/5/2009	6.1	69.1	35.65	114	Mortandad Canyon	Regional Deep	R-45 S2	974.9	1/17/2024	REG	F	INIT	Metals	Chromium	Cr	58.8	2	LANL Reg BG LVL	7.48	7.9	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	4	4	10/12/2023	16.9	20.9	19.95	4	Mortandad Canyon	Regional Top	R-50 S1	1077.0	1/18/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	16.9	1	LANL Reg BG LVL	2.7	6.3	0.268	mg/L	4.00	—	NQ	NQ	SW-846:9056A	GELC	—
C4	105	116	3/6/2010	5.7	150	52.75	116	Mortandad Canyon	Regional Top	R-50 S1	1077.0	1/18/2024	REG	F	INIT	Metals	Chromium	Cr	40.5	1	LANL Reg BG LVL	7.48	5.4	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	105	114	3/6/2010	1.51	39.3	6.82	114	Mortandad Canyon	Regional Top	R-50 S1	1077.0	1/18/2024	REG	F	INIT	Metals	Nickel	Ni	39.3	6	LANL Reg BG LVL	2.9	14	0.600	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	105	115	3/6/2010	0.398	3.21	2.44	115	Mortandad Canyon	Regional Top	R-50 S1	1077.0	1/18/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.96	1	LANL Reg BG LVL	0.769	3.8	0.170	mg/L	10.0	—	NQ	NQ	EPA:353.2	GELC	—
C4	4	4	10/12/2023	17.2	20.2	19.7	4	Mortandad Canyon	Regional Top	R-50 S1	1077.0	1/18/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	17.2	1	LANL Reg BG LVL	4.59	3.7	0.532	mg/L	4.00	—	NQ	NQ	SW-846:9056A	GELC	—
C4	89	101	5/20/2011	2.03	74.5	32.95	100	Mortandad Canyon	Regional Top	R-61 S1	1125.0	1/9/2024	REG	F	INIT	Metals	Chromium	Cr	74.5	2	LANL Reg BG LVL	7.48	10	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	89	101	5/20/2011	0.427	3.3	2.36	101	Mortandad Canyon	Regional Top	R-61 S1	1125.0	1/9/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.60	1	LANL Reg BG LVL	0.769	3.4	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	—
C4	88	100	5/20/2011	2.96	17	12.2	100	Mortandad Canyon	Regional Top	R-61 S1	1125.0	1/9/2024	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	14.0	1	LANL Reg BG LVL	0.414	34	0.100	µg/L	2.00	—	NQ	NQ	SW-846:6850	GELC	—
C4	44	52	3/26/2012	104	351	226.5	52	Sandia Canyon	Regional Top	R-62	1158.4	1/12/2024	REG	F	INIT	Metals	Chromium	Cr	278	1	LANL Reg BG LVL	7.48	37	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	44	52	3/26/2012	0.0685	2.37	1.58	52	Sandia Canyon	Regional Top	R-62	1158.4	1/12/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.33	2	LANL Reg BG LVL	0.769	3	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	—
C4	44	52	3/26/2012	0.719	0.985	0.831	52	Sandia Canyon	Regional Top	R-62	1158.4	1/12/2024	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	0.892	1	LANL Reg BG LVL	0.414	2.2	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	—
C4	42	46	8/4/2020	0.208	3.19	2.43	46	Mortandad Canyon	Regional Top	R-70 S1 ^d	963.0	1/16/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.84	1	LANL Reg BG LVL	0.769	3.7	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	—
C4	3	3	10/25/2023	16	17.5	16.2	3	Mortandad Canyon	Regional Deep	R-70 S2 ^d	1048.0	1/16/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	16.2	1	LANL Reg BG LVL	2.7	6	0.335	mg/L	5.00	—	NQ	NQ	SW-846:9056A	GELC	—
C4	41	44	8/4/2020	74.7	272	185.5	44	Mortandad Canyon	Regional Deep	R-70 S2 ^d	1048.0	1/16/2024	REG	F	INIT	Metals	Chromium	Cr	249	1	LANL Reg BG LVL	7.48	33	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	41	44	8/4/2020	2.59	4.45	3.58	44	Mortandad Canyon	Regional Deep	R-70 S2 ^d	1048.0	1/16/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	4.45	1	LANL Reg BG LVL	0.769	5.8	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	—

Table 1: NMED 2-24 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth (ft)	Start Date	Fid QC Type Code	Fid 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	40	43	8/4/2020	0.607	1.46	0.805	43	Mortandad Canyon	Regional Deep	R-70 S2 ^d	1048.0	1/16/2024	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	1.46	2	LANL Reg BG LVL	0.414	3.5	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	—
C4	3	3	10/25/2023	26.6	27.2	27	3	Mortandad Canyon	Regional Deep	R-70 S2 ^d	1048.0	1/16/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	27.2	1	LANL Reg BG LVL	4.59	5.9	0.665	mg/L	5.00	—	NQ	NQ	SW-846:9056A	GELC	—
C4	12	16	1/30/2022	5.24	5.76	5.545	16	Sandia Canyon	Regional Top	R-70 S1 ^d	1285.0	1/24/2024	FD	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.66	1	LANL Reg BG LVL	0.769	7.4	0.170	mg/L	10.0	—	NQ	NQ	EPA:353.2	GELC	—
C4	12	16	1/30/2022	5.24	5.76	5.545	16	Sandia Canyon	Regional Top	R-70 S1 ^d	1285.0	1/24/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.72	1	LANL Reg BG LVL	0.769	7.4	0.170	mg/L	10.0	—	NQ	NQ	EPA:353.2	GELC	—
C4	13	16	1/23/2022	3.87	5.13	4.825	16	Sandia Canyon	Regional Deep	R-71 S2 ^d	1349.7	1/24/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	4.82	1	LANL Reg BG LVL	0.769	6.3	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	—
C4	43	44	1/11/2007	42.5	87.6	67.25	44	Sandia Canyon	Intermediate Perched	SCI-1	358.4	1/10/2024	REG	F	INIT	Metals	Calcium	Ca	45	1	LANL Int BG LVL	10.7	4.2	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
C4	43	44	1/11/2007	134	270	210	44	Sandia Canyon	Intermediate Perched	SCI-1	358.4	1/10/2024	REG	F	INIT	Geninorg	Hardness	Hardness	141	1	LANL Int BG LVL	37.8	3.7	0.453	mg/L	1.00	—	NQ	NQ	SM:A2340B	GELC	—
C4	43	44	1/11/2007	6.66	13	9.985	44	Sandia Canyon	Intermediate Perched	SCI-1	358.4	1/10/2024	REG	F	INIT	Metals	Magnesium	Mg	6.98	1	LANL Int BG LVL	3.14	2.2	0.11	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
C4	43	44	1/11/2007	44.9	97	69.55	44	Sandia Canyon	Intermediate Perched	SCI-1	358.4	1/10/2024	REG	F	INIT	Metals	Molybdenum	Mo	51.7	1	LANL Int BG LVL	2.9	18	0.200	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	45	48	1/11/2007	0.247	4.99	2.03	48	Sandia Canyon	Intermediate Perched	SCI-1	358.4	1/10/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.41	1	LANL Int BG LVL	0.459	3.1	0.0170	mg/L	1.00	—	NQ	NQ	EPA:353.2	GELC	—
C4	43	44	1/11/2007	50.7	71.1	58.15	44	Sandia Canyon	Intermediate Perched	SCI-1	358.4	1/10/2024	REG	F	INIT	Metals	Sodium	Na	62.9	1	LANL Int BG LVL	18.2	3.5	0.1	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
C4	43	44	1/11/2007	196	383	300	44	Sandia Canyon	Intermediate Perched	SCI-1	358.4	1/10/2024	REG	F	INIT	Metals	Strontium	Sr	205	1	LANL Int BG LVL	59.6	3.4	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
C4	60	75	10/21/2008	56.1	84.1	69.8	75	Sandia Canyon	Intermediate Perched	SCI-2	548.0	1/26/2024	REG	F	INIT	Metals	Barium	Ba	76.0	1	LANL Int BG LVL	13.5	5.6	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
C4	60	75	10/21/2008	59.5	76.3	68.9	75	Sandia Canyon	Intermediate Perched	SCI-2	548.0	1/26/2024	REG	F	INIT	Metals	Calcium	Ca	74	1	LANL Int BG LVL	10.7	6.9	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
C4	60	75	10/21/2008	204	263	237	74	Sandia Canyon	Intermediate Perched	SCI-2	548.0	1/26/2024	REG	F	INIT	Geninorg	Hardness	Hardness	252	1	LANL Int BG LVL	37.8	6.7	0.453	mg/L	1.00	—	NQ	NQ	SM:A2340B	GELC	—
C4	59	73	10/21/2008	13.1	17.9	16	73	Sandia Canyon	Intermediate Perched	SCI-2	548.0	1/26/2024	REG	F	INIT	Metals	Magnesium	Mg	16.4	1	LANL Int BG LVL	3.14	5.2	0.11	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
C4	60	75	10/21/2008	11.9	19.6	16.1	75	Sandia Canyon	Intermediate Perched	SCI-2	548.0	1/26/2024	REG	F	INIT	Metals	Nickel	Ni	13.2	1	LANL Int BG LVL	3.65	3.6	0.600	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C4	60	73	10/21/2008	0.725	1.12	0.941	73	Sandia Canyon	Intermediate Perched	SCI-2	548.0	1/26/2024	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	0.934	1	LANL Int BG LVL	0.27	3.5	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	—
C4	60	75	10/21/2008	264	378	331	75	Sandia Canyon	Intermediate Perched	SCI-2	548.0	1/26/2024	REG	F	INIT	Metals	Strontium	Sr	347	1	LANL Int BG LVL	59.6	5.8	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
C4	60	75	10/21/2008	1.2	2.93	1.94	75	Sandia Canyon	Intermediate Perched	SCI-2	548.0	1/26/2024	REG	F	INIT	Metals	Uranium	U	2.93	2	LANL Int BG LVL	0.992	3	0.0670	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
C5	105	116	3/6/2010	5.7	150	52.75	116	Mortandad Canyon	Regional Top	R-50 S1	1077.0	1/18/2024	REG	F	INIT	Metals	Chromium	Cr	40.5	1	NM GW STD	50	0.8	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—

^a — = Lab qualifier not applicable.

^b S1 = Screen 1.

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

^d S2 = Screen 2.

Table 2: NMED 2-24 Groundwater Report Addendum

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth (ft)	Start Date	Fid QC Type Code	Fid 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
XC2scr	1	2	11/16/2023	0.118	0.118	0.118	1	Sandia Canyon	Regional Top	R-10a	690.0	11/16/2023	FD	F	INIT	General Chemistry	Bromide	Br(-1)	0.118	1	Reg-Scr_95	0.067	1.8	0.0670	mg/L	1.00	J	J	J_LAB	SW-846:9056A	GELC	__a
XC2scr	1	1	11/9/2023	2.7	2.7	2.7	1	Mortandad Canyon	Regional Top	R-34	883.7	11/9/2023	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	2.70	1	Reg-Scr_95	2.61	1	0.0670	mg/L	1.00	—	J+	I4a	SW-846:9056A	GELC	—
XC4scr	4	4	10/10/2023	0.125	0.146	0.1405	4	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	1/23/2024	REG	F	INIT	General Chemistry	Bromide	Br(-1)	0.146	1	Reg-Scr_95	0.067	2.2	0.0670	mg/L	1.00	J	J	J_LAB	SW-846:9056A	GELC	—
XC4scr	4	4	10/12/2023	0.558	0.585	0.5705	4	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	1/11/2024	REG	F	INIT	General Chemistry	Bromide	Br(-1)	0.558	1	Reg-Scr_95	0.067	8.3	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
XC4scr	12	13	11/10/2021	204	279	240	13	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	1/11/2024	REG	F	INIT	Metals	Strontium	Sr	265	1.1	Reg-Scr_95	74.4	3.6	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
XC4scr	4	4	10/19/2023	0.149	0.159	0.154	4	Mortandad Canyon	Regional Top	CRPZ-3	939.4	1/11/2024	REG	F	INIT	General Chemistry	Bromide	Br(-1)	0.149	1	Reg-Scr_95	0.067	2.2	0.0670	mg/L	1.00	J	J	J_LAB	SW-846:9056A	GELC	—
XC4scr	12	12	11/9/2021	28.5	35.6	33.65	12	Mortandad Canyon	Regional Top	CRPZ-3	939.4	1/11/2024	REG	F	INIT	Metals	Calcium	Ca	35.1	1	Reg-Scr_95	14.5	2.4	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
XC4scr	12	12	11/9/2021	101	128	120.5	12	Mortandad Canyon	Regional Top	CRPZ-3	939.4	1/11/2024	REG	F	INIT	Geninorg	Hardness	Hardness	126	1	Reg-Scr_95	51	2.5	0.453	mg/L	1.00	—	NQ	NQ	SM:A2340B	GELC	—
XC4scr	44	55	11/30/2005	161	244	194	55	Sandia Canyon	Regional Top	R-10a	690.0	11/16/2023	FD	F	INIT	Metals	Strontium	Sr	182	0.9	Reg-Scr_95	74.4	2.4	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
XC4scr	44	55	11/30/2005	161	244	194	55	Sandia Canyon	Regional Top	R-10a	690.0	11/16/2023	REG	F	INIT	Metals	Strontium	Sr	177	0.9	Reg-Scr_95	74.4	2.4	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
XC4scr	103	121	8/30/2007	137	199	168	121	Sandia Canyon	Regional Deep	R-35a	1013.1	1/19/2024	REG	F	INIT	Metals	Strontium	Sr	155	0.9	Reg-Scr_95	74.4	2.1	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
XC4scr	24	28	7/13/2009	1.32	1.84	1.51	28	Mortandad Canyon	Intermediate Perched	R-37 S1 ^b	929.3	1/31/2024	REG	F	INIT	Metals	Uranium	U	1.66	1.1	Int-Scr_95	0.614	2.7	0.0670	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
XC4scr	4	4	10/19/2023	0.327	0.426	0.332	4	Mortandad Canyon	Regional Top	R-42	931.8	1/22/2024	REG	F	INIT	General Chemistry	Bromide	Br(-1)	0.335	1	Reg-Scr_95	0.067	5	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
XC4scr	19	19	7/13/2010	0.00361	0.00814	0.00653	18	Mortandad Canyon	Regional Top	R-42	931.8	1/22/2024	REG	UF	INIT	Inorganic	Cyanide (Total)	CN(Total)	0.00574	0.9	Reg-Scr_95	0.0017	3.4	0.00167	mg/L	1.00	—	NQ	NQ	SW-846:9012B	GELC	—
XC4scr	35	37	10/9/2008	120	237	196	37	Mortandad Canyon	Regional Top	R-42	931.8	1/22/2024	REG	F	INIT	Metals	Strontium	Sr	218	1.1	Reg-Scr_95	74.4	2.9	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
XC4scr	4	5	10/11/2023	0.137	0.187	0.149	5	Mortandad Canyon	Regional Top	R-44 S1	895.0	1/16/2024	REG	F	INIT	General Chemistry	Bromide	Br(-1)	0.187	1.3	Reg-Scr_95	0.067	2.8	0.0670	mg/L	1.00	J	J	J_LAB	SW-846:9056A	GELC	—
XC4scr	4	5	10/11/2023	0.145	0.196	0.148	5	Mortandad Canyon	Regional Top	R-45 S1	880.0	1/17/2024	REG	F	INIT	General Chemistry	Bromide	Br(-1)	0.150	1	Reg-Scr_95	0.067	2.2	0.0670	mg/L	1.00	J	J	J_LAB	SW-846:9056A	GELC	—
XC4scr	4	4	10/12/2023	0.141	0.153	0.148	4	Mortandad Canyon	Regional Top	R-50 S1	1077.0	1/18/2024	REG	F	INIT	General Chemistry	Bromide	Br(-1)	0.141	1	Reg-Scr_95	0.067	2.1	0.0670	mg/L	1.00	J	J	J_LAB	SW-846:9056A	GELC	—
XC4scr	4	4	10/13/2023	5.14	5.48	5.355	4	Mortandad Canyon	Regional Top	R-61 S1	1125.0	1/9/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	5.48	1	Reg-Scr_95	2.61	2.1	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	—
XC4scr	89	101	5/20/2011	0.0531	11.8	0.329	95	Mortandad Canyon	Regional Top	R-61 S1	1125.0	1/9/2024	REG	F	INIT	Geninorg	Total Phosphate as Phosphorus	PO4-P	0.176	0.5	Reg-Scr_95	0.0822	2.1	0.0200	mg/L	1.00	—	NQ	NQ	EPA:365.4	GELC	—
XC4scr	42	46	8/4/2020	10	137	15.5	46	Mortandad Canyon	Regional Top	R-70 S1 ^c	963.0	1/16/2024	REG	F	INIT	Metals	Chromium	Cr	14.5	0.9	Reg-Scr_95	6.6	2.2	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
XC4scr	41	44	8/4/2020	21.5	36.1	28.65	44	Mortandad Canyon	Regional Deep	R-70 S2 ^{c,d}	1048.0	1/16/2024	REG	F	INIT	Metals	Calcium	Ca	31.2	1.1	Reg-Scr_95	14.5	2.2	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
XC4scr	41	44	8/4/2020	75.4	128	100	44	Mortandad Canyon	Regional Deep	R-70 S2 ^d	1048.0	1/16/2024	REG	F	INIT	Geninorg	Hardness	Hardness	110	1.1	Reg-Scr_95	51	2.2	0.453	mg/L	1.00	—	NQ	NQ	SM:A2340B	GELC	—
XC4scr	43	44	1/11/2007	25.5	51.3	36.1	44	Sandia Canyon	Intermediate Perched	SCI-1	358.4	1/10/2024	REG	F	INIT	Metals	Barium	Ba	26.0	0.7	Int-Scr_95	11.96	2.2	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—

Table 2: NMED 2-24 Groundwater Report Addendum

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth (ft)	Start Date	Fid QC Type Code	Fid 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	43	44	1/11/2007	40.8	99.4	82.1	43	Sandia Canyon	Intermediate Perched	SCI-1	358.4	1/10/2024	REG	F	INIT	Metals	Boron	B	81.9	1	Int-Scr_95	16.2	5.1	15.0	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	—
XC4scr	43	46	1/11/2007	6.27	22.1	11	45	Sandia Canyon	Intermediate Perched	SCI-1	358.4	1/10/2024	REG	F	INIT	Metals	Chromium	Cr	8.70	0.8	Int-Scr_95	2.72	3.2	3.00	µg/L	1.00	J	J	J_LAB	SW-846:6020B	GELC	—
XC4scr	44	46	4/11/2007	0.479	1.58	0.8165	46	Sandia Canyon	Intermediate Perched	SCI-1	358.4	1/10/2024	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	0.583	0.7	Int-Scr_95	0.257	2.3	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	—
XC4scr	44	47	1/11/2007	357	536	465	47	Sandia Canyon	Intermediate Perched	SCI-1	358.4	1/10/2024	REG	F	INIT	Geninorg	Total Dissolved Solids	TDS	390	0.8	Int-Scr_95	135	2.9	2.38	mg/L	1.00	—	NQ	NQ	EPA:160.1	GELC	—
XC4scr	43	44	1/11/2007	0.404	1.57	0.9465	42	Sandia Canyon	Intermediate Perched	SCI-1	358.4	1/10/2024	REG	F	INIT	Geninorg	Total Phosphate as Phosphorus	PO4-P	1.45	1.5	Int-Scr_95	0.178	8.1	0.0200	mg/L	1.00	—	NQ	NQ	EPA:365.4	GELC	—
XC4scr	43	44	1/11/2007	1.14	3.09	1.975	44	Sandia Canyon	Intermediate Perched	SCI-1	358.4	1/10/2024	REG	F	INIT	Metals	Uranium	U	1.47	0.7	Int-Scr_95	0.614	2.4	0.0670	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
XC4scr	60	80	10/21/2008	168	658	415.5	80	Sandia Canyon	Intermediate Perched	SCI-2	548.0	1/26/2024	REG	F	INIT	Metals	Chromium	Cr	175	0.4	Int-Scr_95	2.72	64.3	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	—
XC4scr	60	74	10/21/2008	354	796	429	74	Sandia Canyon	Intermediate Perched	SCI-2	548.0	1/26/2024	REG	F	INIT	Geninorg	Total Dissolved Solids	TDS	441	1	Int-Scr_95	135	3.3	2.38	mg/L	1.00	—	NQ	NQ	EPA:160.1	GELC	—
XC4scr	21	23	9/24/2001	20.2	51.6	39.3	23	White Rock Canyon and Rio Grande	Regional Spring	Spring 1	0	10/12/2023	REG	F	INIT	Metals	Boron	B	41.4	1.1	Reg-Scr_95	18.7	2.2	15.0	µg/L	1.00	J	J	J_LAB	SW-846:6010D	GELC	—
XC4scr	20	22	9/13/2004	185	207	198	22	White Rock Canyon and Rio Grande	Regional Spring	Spring 1	0	10/12/2023	REG	F	INIT	Metals	Strontium	Sr	191	1	Reg-Scr_95	74.4	2.6	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.

