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

EMLA-25-BF041-21

December 23, 2024

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

Subject: Monthly Notification of Groundwater Data Reviewed in December 2024

Dear Mr. Nance:

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, as revised in 2024 (Consent Order). Members of EM-LA and N3B met on December 12, 2024, to review groundwater data loaded or released in the EIM database 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." 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 2024 EPA regional screening levels for tap water; the NMWQCC groundwater standards published on 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 does not include analytical data from samples collected at a location within the Pueblo de San Ildefonso that would be subject to reporting at this time. These data would 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

There is one analytical result from a sample from one location that exceeded either the NMWQCC groundwater standard or EPA MCL for the first time within a well screen interval or spring where it had not been previously detected above the respective standard (based on data collected since June 14, 2007). Dibenz(a,h)anthracene was detected at 0.110 µg/L, exceeding the 0.0343-µg/L NMWQCC groundwater standard; in a sample collected on October 9, 2024, from well R-9.

In accordance with the notification provisions of the 2016 Consent Order, NMED was notified by phone on December 13, 2024, and an email was sent the same day.

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 Adam Barras at (505) 257-8289 (adam.barras@em-la.doe.gov) or Arturo Duran at (505) 257-7907 (arturo.duran@em.doe.gov).

Sincerely,

ARTURO DURAN

Digitally signed by ARTURO DURAN
Date: 2024.12.20 09:56:48 -07'00'

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 December 2024 that Meet Notification Requirements (EM2024-0911)

cc (letter with CD/DVD enclosure[s]):
Anne Laurent, 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
Robert Murphy, NMED-GWQB
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Kylian Robinson, NMED-HWB
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SUMMARY OF GROUNDWATER DATA REVIEWED IN DECEMBER 2024 THAT MEET NOTIFICATION REQUIREMENTS

INTRODUCTION

This report provides information to the New Mexico Environment Department (NMED) concerning recent groundwater monitoring data obtained by the U.S. Department of Energy Environmental Management Los Alamos Field Office (EM-LA) and Newport News Nuclear BWXT-Los Alamos, LLC (N3B) under the annual "Interim Facility-Wide Groundwater Monitoring Plan for the 2024 Monitoring Year, October 2023–September 2024, Revision 1" (IFGMP) (N3B 2023, 702924.11) and "Interim Facility-Wide Groundwater Monitoring Plan for the 2025 Monitoring Year, October 2024–September 2025, Revision 1" (IFGMP) (N3B 2024, 703382). 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, as revised in 2024 (the 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 11-24 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 11-24 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 undergone 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. 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 2024 EPA regional screening levels for tap water; the NMWQCC groundwater standards published on 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 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 are 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 are sorted by the five screening criteria in Section XXVI.D of the Consent Order. In several cases, data meet 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, 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 SCRN LVL—New Mexico Environment Department Table A-1 screening level for tap water

PCB—polychlorinated biphenyl

QC—quality control

REG—regular sample

SVOC—semivolatile organic compound

TDS—total dissolved solids

UF—unfiltered

UOM—unit of measurement

VOC—volatile organic compound

Analytical Laboratory Codes and Qualifiers

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

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.

I4g (validation reason code)—The detected sample result is >=5 times and <100 times the detected concentration of the same analyte in the associated blank.

I6a (validation reason code)—The associated matrix spike percent recovery is less than the lower acceptance limit.

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

B (lab qualifier)— reported value was obtained from a reading that was less than the contract-required detection limit but greater than or equal to the instrument detection limit.

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

J* (lab qualifier)— Duplicate analysis (relative percent difference) is not within control limits.

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)

N3B (Newport News Nuclear BWXT-Los Alamos, LLC), October 2024. "Interim Facility-Wide Groundwater Monitoring Plan for the 2025 Monitoring Year, October 2024–September 2025, Revision 1" Newport News Nuclear BWXT-Los Alamos, LLC, document EM2024-0699, Los Alamos, New Mexico. (N3B 2024, 703382)

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 11-24 Groundwater Report

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	Analytical Suite Code	Analyte Description	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	Analytical Method Code	Lab Code	Comment
CA	14	19	2/28/2000	0.11	0.11	0.11	1	Upper Los Alamos Canyon	Regional Top	R-9	683.0	10/9/2024	REG	UF	INIT	SVOC	Dibenz(a,h)anthracene	53-70-3	0.110	1	NMED A1 TAP SCRN LVL	0.0343	3.2	0.0300	µg/L	1.00	—[a]	NQ	NQ	SW-846:8270E_SIM	GELC	
C1	14	19	2/28/2000	0.08	0.08	0.08	1	Upper Los Alamos Canyon	Regional Top	R-9	683.0	10/9/2024	REG	UF	INIT	SVOC	Benzo(a)anthracene	56-55-3	0.0800	1	NMED A1 TAP SCRN LVL	0.12	0.7	0.0300	µg/L	1.00	J	J	J_LAB	SW-846:8270E_SIM	GELC	
C1	14	19	2/28/2000	0.07	0.07	0.07	1	Upper Los Alamos Canyon	Regional Top	R-9	683.0	10/9/2024	REG	UF	INIT	SVOC	Benzo(a)pyrene	50-32-8	0.0700	1	NM GW STD	0.2	0.4	0.0300	µg/L	1.00	J	J	J_LAB	SW-846:8270E_SIM	GELC	
C1	14	19	2/28/2000	0.11	0.11	0.11	1	Upper Los Alamos Canyon	Regional Top	R-9	683.0	10/9/2024	REG	UF	INIT	SVOC	Dibenz(a,h)anthracene	53-70-3	0.110	1	NMED A1 TAP SCRN LVL	0.0343	3.2	0.0300	µg/L	1.00	—	NQ	NQ	SW-846:8270E_SIM	GELC	
C1	14	19	2/28/2000	0.06	0.06	0.06	1	Upper Los Alamos Canyon	Regional Top	R-9	683.0	10/9/2024	REG	UF	INIT	SVOC	Indeno(1,2,3-cd)pyrene	193-39-5	0.0600	1	NMED A1 TAP SCRN LVL	0.343	0.2	0.0300	µg/L	1.00	J	J	J_LAB	SW-846:8270E_SIM	GELC	
C1	3	3	10/2/2020	0.0676	0.0676	0.0676	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 3	0	9/30/2024	REG	UF	INIT	PCBs	Aroclor-1254	11097-69-1	0.0676	1	NM GW STD	0.5	0.1	0.0362	µg/L	1.00	J	J	J_LAB	SW-846:8082A	GELC	
C1	3	3	10/2/2020	0.0625	0.0625	0.0625	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 3	0	9/30/2024	REG	UF	INIT	PCBs	Aroclor-1260	11096-82-5	0.0625	1	NM GW STD	0.5	0.1	0.0362	µg/L	1.00	J	J	J_LAB	SW-846:8082A	GELC	
C1	9	10	9/25/2001	4.76	4.76	4.76	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 6A	0	10/2/2024	REG	UF	INIT	VOC	Butanone[2-]	78-93-3	4.76	1	NMED A1 TAP SCRN LVL	5560	0	1.67	µg/L	1.00	J	J	J_LAB	SW-846:8260D	GELC	
C2	1	1	10/9/2024	5.52	5.52	5.52	1	Upper Los Alamos Canyon	Regional Top	R-9	683.0	10/9/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	5.52	1	LANL Reg BG LVL	2.7	2	0.0670	mg/L	1.00	B	J+	I4a	SW-846:9056A	GELC	
C2	1	1	10/9/2024	5.32	5.32	5.32	1	Upper Los Alamos Canyon	Regional Top	R-9	683.0	10/9/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	5.32	1	LANL Reg BG LVL	4.59	1.2	0.133	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	
C2	1	1	9/30/2024	6.76	6.76	6.76	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4	0	9/30/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	6.76	1	LANL Reg BG LVL	2.7	2.5	0.0670	mg/L	1.00	—	J+	I6b	SW-846:9056A	GELC	
C2	1	1	9/30/2024	0.38	0.38	0.38	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4	0	9/30/2024	REG	F	INIT	General Chemistry	Fluoride	F(-1)	0.380	1	LANL Reg BG LVL	0.377	1	0.0330	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	
C2	1	1	9/30/2024	9.61	9.61	9.61	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4	0	9/30/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	9.61	1	LANL Reg BG LVL	4.59	2.1	0.133	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	
C2	1	1	10/1/2024	2.99	2.99	2.99	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 5B	0	10/1/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	2.99	1	LANL Reg BG LVL	2.7	1.1	0.0670	mg/L	1.00	—	J+	I6b	SW-846:9056A	GELC	
C2	1	2	9/24/2024	36.2	36.8	36.5	2	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	36.2	1	LANL Int BG LVL	3.11	12	0.670	mg/L	10.0	—	NQ	NQ	SW-846:9056A	GELC	
C2	1	2	9/24/2024	36.2	36.8	36.5	2	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	FD	F	INIT	General Chemistry	Chloride	Cl(-1)	36.8	1	LANL Int BG LVL	3.11	12	0.670	mg/L	10.0	—	NQ	NQ	SW-846:9056A	GELC	
C2	1	2	9/24/2024	40.8	41	40.9	2	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	40.8	1	LANL Int BG LVL	7.1	5.7	1.33	mg/L	10.0	—	NQ	NQ	SW-846:9056A	GELC	
C2	1	2	9/24/2024	40.8	41	40.9	2	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	FD	F	INIT	General Chemistry	Sulfate	SO4(-2)	41.0	1	LANL Int BG LVL	7.1	5.8	1.33	mg/L	10.0	—	NQ	NQ	SW-846:9056A	GELC	
C3	14	19	2/28/2000	0.08	0.08	0.08	1	Upper Los Alamos Canyon	Regional Top	R-9	683.0	10/9/2024	REG	UF	INIT	SVOC	Benzo(a)anthracene	56-55-3	0.0800	1	NMED A1 TAP SCRN LVL	0.12	0.7	0.0300	µg/L	1.00	J	J	J_LAB	SW-846:8270E_SIM	GELC	
C3	14	19	2/28/2000	0.11	0.11	0.11	1	Upper Los Alamos Canyon	Regional Top	R-9	683.0	10/9/2024	REG	UF	INIT	SVOC	Dibenz(a,h)anthracene	53-70-3	0.110	1	NMED A1 TAP SCRN LVL	0.0343	3.2	0.0300	µg/L	1.00	—	NQ	NQ	SW-846:8270E_SIM	GELC	

Table 1. NMED 11-24 Groundwater Report

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	Analytical Suite Code	Analyte Description	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	Analytical Method Code	Lab Code	Comment
C4	13	13	10/10/2023	10.9	17.5	14.8	13	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	10/9/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	14.4	1	LANL Reg BG LVL	2.7	5.3	0.134	mg/L	2.00	B	J+	I4a	SW-846:9056A	GELC	
C4	21	21	11/4/2021	68.8	167	129	21	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	10/9/2024	REG	F	INIT	Metals	Chromium	Cr	136	1	LANL Reg BG LVL	7.48	18	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	21	21	11/4/2021	2.24	3.46	2.87	21	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	10/9/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.98	1	LANL Reg BG LVL	0.769	3.9	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	
C4	21	21	11/4/2021	10.5	26.1	22.5	21	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	10/9/2024	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	24.5	1	LANL Reg BG LVL	0.414	59	0.250	µg/L	5.00	—	NQ	NQ	SW-846:6850	GELC	
C4	13	13	10/10/2023	17	23.8	21.1	13	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	10/9/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	20.8	1	LANL Reg BG LVL	4.59	4.5	0.266	mg/L	2.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	21	22	11/10/2021	65.6	90.1	79.4	22	Mortandad Canyon	Regional Top	CRPZ-2A	909.8	10/9/2024	REG	F	INIT	Metals	Barium	Ba	80.2	1	LANL Reg BG LVL	38.1	2.1	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	21	22	11/10/2021	48.1	64.7	59.5	22	Mortandad Canyon	Regional Top	CRPZ-2A	909.8	10/9/2024	REG	F	INIT	Metals	Calcium	Ca	58.6	1	LANL Reg BG LVL	17.03	3.4	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	13	13	10/12/2023	51.4	61.3	56.4	13	Mortandad Canyon	Regional Top	CRPZ-2A	909.8	10/09/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	51.4	1	LANL Reg BG LVL	2.7	19	0.670	mg/L	10.0	B	J+	I4a	SW-846:9056A	GELC	
C4	21	22	11/10/2021	179	269	232.5	22	Mortandad Canyon	Regional Top	CRPZ-2A	909.8	10/9/2024	REG	F	INIT	Metals	Chromium	Cr	238	1	LANL Reg BG LVL	7.48	32	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	21	22	11/10/2021	168	228	209	22	Mortandad Canyon	Regional Top	CRPZ-2A	909.8	10/9/2024	REG	F	INIT	Geninorg	Hardness	Hardness	209	1	LANL Reg BG LVL	67.1	3.1	0.453	mg/L	1.00	—	NQ	NQ	SM:A2340B	GELC	
C4	21	22	11/10/2021	11.7	17.6	14.95	22	Mortandad Canyon	Regional Top	CRPZ-2A	909.8	10/9/2024	REG	F	INIT	Metals	Magnesium	Mg	15.1	1	LANL Reg BG LVL	4.18	3.6	0.11	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	21	22	11/10/2021	5.98	8.24	7.065	22	Mortandad Canyon	Regional Top	CRPZ-2A	909.8	10/9/2024	REG	F	INIT	Metals	Nickel	Ni	6.87	1	LANL Reg BG LVL	2.9	2.4	0.600	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	21	22	11/10/2021	3.43	5.2	3.995	22	Mortandad Canyon	Regional Top	CRPZ-2A	909.8	10/09/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.91	1	LANL Reg BG LVL	0.769	5.1	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	
C4	21	22	11/10/2021	0.854	1.08	0.9715	22	Mortandad Canyon	Regional Top	CRPZ-2A	909.8	10/9/2024	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	1.04	1	LANL Reg BG LVL	0.414	2.5	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	
C4	13	13	10/12/2023	63.5	73.3	67.4	13	Mortandad Canyon	Regional Top	CRPZ-2A	909.8	10/9/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	63.5	1	LANL Reg BG LVL	4.59	14	1.33	mg/L	10.0	—	NQ	NQ	SW-846:9056A	GELC	
C4	21	22	11/10/2021	309	404	362	22	Mortandad Canyon	Regional Top	CRPZ-2A	909.8	10/9/2024	REG	F	INIT	Geninorg	Total Dissolved Solids	TDS	344	1	LANL Reg BG LVL	161	2.1	2.38	mg/L	1.00	—	J	I10er	EPA:160.1	GELC	
C4	21	22	11/10/2021	2.68	4.11	3.59	22	Mortandad Canyon	Regional Top	CRPZ-2A	909.8	10/9/2024	REG	F	INIT	Metals	Uranium	U	3.09	1	LANL Reg BG LVL	1.19	2.6	0.0670	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	13	13	10/19/2023	21.9	24	22.4	13	Mortandad Canyon	Regional Top	CRPZ-3	939.4	10/22/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	22.5	1	LANL Reg BG LVL	2.7	8.3	0.335	mg/L	5.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	21	21	11/9/2021	297	531	494	21	Mortandad Canyon	Regional Top	CRPZ-3	939.4	10/22/2024	REG	F	INIT	Metals	Chromium	Cr	531	1	LANL Reg BG LVL	7.48	71	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	21	21	11/9/2021	7.24	10.2	8.84	21	Mortandad Canyon	Regional Top	CRPZ-3	939.4	10/22/2024	REG	F	INIT	Metals	Magnesium	Mg	9.84	1	LANL Reg BG LVL	4.18	2.4	0.11	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	21	21	11/9/2021	5.1	5.9	5.53	21	Mortandad Canyon	Regional Top	CRPZ-3	939.4	10/22/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.48	1	LANL Reg BG LVL	0.769	7.1	0.170	mg/L	10.0	—	NQ	NQ	EPA:353.2	GELC	
C4	21	21	11/9/2021	0.958	1.38	1.18	21	Mortandad Canyon	Regional Top	CRPZ-3	939.4	10/22/2024	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	1.23	1	LANL Reg BG LVL	0.414	3	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	
C4	13	13	10/19/2023	35.8	41.1	38.3	13	Mortandad Canyon	Regional Top	CRPZ-3	939.4	10/22/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	38.6	1	LANL Reg BG LVL	4.59	8.4	0.665	mg/L	5.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	12	12	10/24/2023	6.85	11.5	8.735	12	Mortandad Canyon	Regional Deep	CRPZ-4	957	10/23/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	8.92	1	LANL Reg BG LVL	2.7	3.3	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	20	21	11/10/2021	88.4	171	99.8	21	Mortandad Canyon	Regional Deep	CRPZ-4	957	10/23/2024	REG	F	INIT	Metals	Chromium	Cr	115	1	LANL Reg BG LVL	7.48	15	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	

Table 1. NMED 11-24 Groundwater Report

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	Analytical Suite Code	Analyte Description	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	Analytical Method Code	Lab Code	Comment
C4	20	20	11/10/2021	3.38	5.62	5.025	20	Mortandad Canyon	Regional Deep	CRPZ-4	957	10/23/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	4.77	1	LANL Reg BG LVL	0.769	6.2	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	
C4	20	21	11/10/2021	2.78	51.4	5.71	21	Mortandad Canyon	Regional Deep	CRPZ-4	957	10/23/2024	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	8.20	1	LANL Reg BG LVL	0.414	20	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	
C4	12	12	10/24/2023	13	19.5	15.45	12	Mortandad Canyon	Regional Deep	CRPZ-4	957	10/23/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	15.6	1	LANL Reg BG LVL	4.59	3.4	0.133	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	13	13	10/17/2023	16.4	19.1	17.8	13	Mortandad Canyon	Regional Deep	CRPZ-5	976	10/22/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	17.8	1	LANL Reg BG LVL	2.7	6.6	0.335	mg/L	5.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	21	21	11/22/2021	411	516	482	21	Mortandad Canyon	Regional Deep	CRPZ-5	976	10/22/2024	REG	F	INIT	Metals	Chromium	Cr	514	1	LANL Reg BG LVL	7.48	69	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	21	21	11/22/2021	2.73	4.04	3.49	21	Mortandad Canyon	Regional Deep	CRPZ-5	976	10/22/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.88	1	LANL Reg BG LVL	0.769	5	0.170	mg/L	10.0	—	NQ	NQ	EPA:353.2	GELC	
C4	21	21	11/22/2021	0.731	1.13	0.894	21	Mortandad Canyon	Regional Deep	CRPZ-5	976	10/22/2024	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	0.979	1	LANL Reg BG LVL	0.414	2.4	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	
C4	13	13	10/17/2023	29.4	32.5	31.1	13	Mortandad Canyon	Regional Deep	CRPZ-5	976	10/22/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	31.4	1	LANL Reg BG LVL	4.59	6.8	0.665	mg/L	5.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	124	151	5/17/2005	2.27	9.36	5.7	151	Sandia Canyon	Regional Top	R-11	855.0	10/23/2024	FD	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	8.97	2	LANL Reg BG LVL	0.769	12	0.170	mg/L	10.0	—	NQ	NQ	EPA:353.2	GELC	
C4	124	151	5/17/2005	2.27	9.36	5.7	151	Sandia Canyon	Regional Top	R-11	855.0	10/23/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	8.67	2	LANL Reg BG LVL	0.769	11	0.170	mg/L	10.0	—	NQ	NQ	EPA:353.2	GELC	
C4	117	139	6/13/2007	0.664	1.55	0.796	139	Sandia Canyon	Regional Top	R-11	855.0	10/23/2024	FD	F	INIT	LCMS/MS	Perchlorate	ClO4	0.936	1	LANL Reg BG LVL	0.414	2.3	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	
C4	117	139	6/13/2007	0.664	1.55	0.796	139	Sandia Canyon	Regional Top	R-11	855.0	10/23/2024	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	0.943	1	LANL Reg BG LVL	0.414	2.3	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	
C4	13	17	10/13/2023	10.1	11.4	10.5	17	Sandia Canyon	Regional Top	R-11	855.0	10/23/2024	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	
C4	13	17	10/13/2023	10.1	11.4	10.5	17	Sandia Canyon	Regional Top	R-11	855.0	10/23/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	10.5	1	LANL Reg BG LVL	4.59	2.3	0.133	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	112	132	08/30/2007	68	408	347	132	Sandia Canyon	Regional Deep	R-35a	1013.1	10/18/2024	REG	F	INIT	Metals	Barium	Ba	333	1	LANL Reg BG LVL	38.1	8.7	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	13	16	10/20/2023	6.24	6.98	6.47	16	Sandia Canyon	Regional Deep	R-35a	1013.1	10/18/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	6.24	1	LANL Reg BG LVL	2.7	2.3	0.0670	mg/L	1.00	B	J+	I4a	SW-846:9056A	GELC	
C4	44	48	10/9/2008	44.2	110	94.1	48	Mortandad Canyon	Regional Top	R-42	931.8	10/29/2024	REG	F	INIT	Metals	Barium	Ba	94.1	1	LANL Reg BG LVL	38.1	2.5	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	44	48	10/9/2008	22.2	62.8	53.3	48	Mortandad Canyon	Regional Top	R-42	931.8	10/29/2024	REG	F	INIT	Metals	Calcium	Ca	55.5	1	LANL Reg BG LVL	17.03	3.3	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	13	15	10/19/2023	50.5	54.8	52	15	Mortandad Canyon	Regional Top	R-42	931.8	10/29/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	52.0	1	LANL Reg BG LVL	2.7	19	0.670	mg/L	10.0	—	NQ	NQ	SW-846:9056A	GELC	
C4	44	57	10/9/2008	619	1240	836	57	Mortandad Canyon	Regional Top	R-42	931.8	10/29/2024	REG	F	INIT	Metals	Chromium	Cr	636	1	LANL Reg BG LVL	7.48	85	3.00	µg/L	1.00	—	J	I6a	SW-846:6020B	GELC	
C4	44	48	10/9/2008	94.3	240	195	48	Mortandad Canyon	Regional Top	R-42	931.8	10/29/2024	REG	F	INIT	Geninorg	Hardness	Hardness	211	1	LANL Reg BG LVL	67.1	3.1	0.453	mg/L	1.00	—	NQ	NQ	SM:A2340B	GELC	
C4	44	48	10/9/2008	9.45	20.3	15	48	Mortandad Canyon	Regional Top	R-42	931.8	10/29/2024	REG	F	INIT	Metals	Magnesium	Mg	17.7	1	LANL Reg BG LVL	4.18	4.2	0.11	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	44	48	10/9/2008	8.8	34	23.5	48	Mortandad Canyon	Regional Top	R-42	931.8	10/29/2024	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	45	49	10/9/2008	0.057	7.03	5.55	49	Mortandad Canyon	Regional Top	R-42	931.8	10/29/2024	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	—	J-	I6a	EPA:353.2	GELC	
C4	45	49	10/9/2008	0.873	1.46	1.18	49	Mortandad Canyon	Regional Top	R-42	931.8	10/29/2024	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	1.09	1	LANL Reg BG LVL	0.414	2.6	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	

Table 1. NMED 11-24 Groundwater Report

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	Analytical Suite Code	Analyte Description	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	Analytical Method Code	Lab Code	Comment
C4	13	15	10/19/2023	84.4	89.3	87.3	15	Mortandad Canyon	Regional Top	R-42	931.8	10/29/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	85.0	1	LANL Reg BG LVL	4.59	19	1.33	mg/L	10.0	—	NQ	NQ	SW-846:9056A	GELC	
C4	45	49	10/9/2008	180	394	349	49	Mortandad Canyon	Regional Top	R-42	931.8	10/29/2024	REG	F	INIT	Geninorg	Total Dissolved Solids	TDS	349	1	LANL Reg BG LVL	161	2.2	2.38	mg/L	1.00	—	J	I10er	EPA:160.1	GELC	
C4	44	48	10/9/2008	1.95	36.3	5.5	45	Mortandad Canyon	Regional Top	R-42	931.8	10/29/2024	REG	F	INIT	Metals	Vanadium	V	34.9	6	LANL Reg BG LVL	11.4	3.1	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	13	15	10/11/2023	19.5	21.9	20.4	15	Mortandad Canyon	Regional Top	R-44 S1[b]	895.0	10/21/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	19.8	1	LANL Reg BG LVL	2.7	7.3	0.335	mg/L	5.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	109	116	2/17/2009	0.536	109	37.1	89	Mortandad Canyon	Regional Top	R-44 S1	895.0	10/21/2024	REG	F	INIT	Metals	Nickel	Ni	41.3	1	LANL Reg BG LVL	2.9	14	0.600	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	108	115	2/17/2009	0.123	3.86	2.345	114	Mortandad Canyon	Regional Top	R-44 S1	895.0	10/21/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.82	1	LANL Reg BG LVL	0.769	3.7	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	
C4	13	15	10/11/2023	19	20.6	19.4	15	Mortandad Canyon	Regional Top	R-44 S1	895.0	10/21/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	19.6	1	LANL Reg BG LVL	4.59	4.3	0.133	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	13	16	10/11/2023	11.5	21.3	19.1	16	Mortandad Canyon	Regional Top	R-45 S1	880.0	10/21/2024	FD	F	INIT	General Chemistry	Chloride	Cl(-1)	18.8	1	LANL Reg BG LVL	2.7	7	0.335	mg/L	5.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	13	16	10/11/2023	11.5	21.3	19.1	16	Mortandad Canyon	Regional Top	R-45 S1	880.0	10/21/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	18.8	1	LANL Reg BG LVL	2.7	7	0.335	mg/L	5.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	112	122	2/28/2009	0.535	13.8	3.84	107	Mortandad Canyon	Regional Top	R-45 S1	880.0	10/21/2024	FD	F	INIT	Metals	Nickel	Ni	9.07	2	LANL Reg BG LVL	2.9	3.1	0.600	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	112	122	2/28/2009	0.535	13.8	3.84	107	Mortandad Canyon	Regional Top	R-45 S1	880.0	10/21/2024	REG	F	INIT	Metals	Nickel	Ni	8.73	2	LANL Reg BG LVL	2.9	3	0.600	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	112	122	2/28/2009	0.256	4.1	2.935	122	Mortandad Canyon	Regional Top	R-45 S1	880.0	10/21/2024	FD	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.37	1	LANL Reg BG LVL	0.769	4.4	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	
C4	112	122	2/28/2009	0.256	4.1	2.935	122	Mortandad Canyon	Regional Top	R-45 S1	880.0	10/21/2024	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	13	16	10/11/2023	17.2	26.6	19.65	16	Mortandad Canyon	Regional Top	R-45 S1	880.0	10/21/2024	FD	F	INIT	General Chemistry	Sulfate	SO4(-2)	19.8	1	LANL Reg BG LVL	4.59	4.3	0.133	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	13	16	10/11/2023	17.2	26.6	19.65	16	Mortandad Canyon	Regional Top	R-45 S1	880.0	10/21/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	19.6	1	LANL Reg BG LVL	4.59	4.3	0.133	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	13	14	10/11/2023	7.1	7.62	7.275	14	Mortandad Canyon	Regional Deep	R-45 S2[c]	974.9	10/21/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	7.32	1	LANL Reg BG LVL	2.7	2.7	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	111	125	3/5/2009	6.1	69.1	42.1	124	Mortandad Canyon	Regional Deep	R-45 S2	974.9	10/21/2024	REG	F	INIT	Metals	Chromium	Cr	60.8	1	LANL Reg BG LVL	7.48	8.1	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	13	13	10/12/2023	16.9	21.6	20	13	Mortandad Canyon	Regional Top	R-50 S1	1077.0	10/10/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	19.4	1	LANL Reg BG LVL	2.7	7.2	0.335	mg/L	5.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	114	125	3/6/2010	5.7	150	45.1	125	Mortandad Canyon	Regional Top	R-50 S1	1077.0	10/10/2024	REG	F	INIT	Metals	Chromium	Cr	37.4	1	LANL Reg BG LVL	7.48	5	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	114	123	3/6/2010	1.51	50.2	7.13	123	Mortandad Canyon	Regional Top	R-50 S1	1077.0	10/10/2024	REG	F	INIT	Metals	Nickel	Ni	40.1	6	LANL Reg BG LVL	2.9	14	0.600	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	114	124	3/6/2010	0.398	3.36	2.505	124	Mortandad Canyon	Regional Top	R-50 S1	1077.0	10/10/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.09	1	LANL Reg BG LVL	0.769	4	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	
C4	13	13	10/12/2023	17.2	20.7	20.1	13	Mortandad Canyon	Regional Top	R-50 S1	1077.0	10/10/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	20.1	1	LANL Reg BG LVL	4.59	4.4	0.665	mg/L	5.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	12	13	10/13/2023	5.14	6.8	6.22	13	Mortandad Canyon	Regional Top	R-61 S1	1125.0	10/16/2024	REG	F	INIT	General Chemistry	Chloride	Cl(-1)	6.80	1	LANL Reg BG LVL	2.7	2.5	0.0670	mg/L	1.00	—	J+	I6b	SW-846:9056A	GELC	
C4	97	110	5/20/2011	2.03	90.8	34.8	109	Mortandad Canyon	Regional Top	R-61 S1	1125.0	10/16/2024	REG	F	INIT	Metals	Chromium	Cr	90.8	3	LANL Reg BG LVL	7.48	12	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	97	110	5/20/2011	0.427	3.3	2.385	110	Mortandad Canyon	Regional Top	R-61 S1	1125.0	10/16/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.75	1	LANL Reg BG LVL	0.769	3.6	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	

Table 1. NMED 11-24 Groundwater Report

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	Analytical Suite Code	Analyte Description	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	Analytical Method Code	Lab Code	Comment
C4	96	109	5/20/2011	2.96	18.3	12.4	109	Mortandad Canyon	Regional Top	R-61 S1	1125.0	10/16/2024	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	17.7	1	LANL Reg BG LVL	0.414	43	0.250	µg/L	5.00	—	NQ	NQ	SW-846:6850	GELC	
C4	12	13	10/13/2023	8.85	11.3	10.4	13	Mortandad Canyon	Regional Top	R-61 S1	1125.0	10/16/2024	REG	F	INIT	General Chemistry	Sulfate	SO4(-2)	11.3	1	LANL Reg BG LVL	4.59	2.5	0.133	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	
C4	21	26	1/30/2022	4.46	7.13	5.6	26	Sandia Canyon	Regional Top	R-71 S1	1285.0	10/15/2024	FD	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.95	1	LANL Reg BG LVL	0.769	7.7	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	
C4	21	26	1/30/2022	4.46	7.13	5.6	26	Sandia Canyon	Regional Top	R-71 S1	1285.0	10/15/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.90	1	LANL Reg BG LVL	0.769	7.7	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	
C4	22	25	1/23/2022	3.87	5.15	4.95	25	Sandia Canyon	Regional Deep	R-71 S2	1349.7	10/15/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.15	1	LANL Reg BG LVL	0.769	6.7	0.0850	mg/L	5.00	—	NQ	NQ	EPA:353.2	GELC	
C4	24	31	2/28/2000	10.1	209	176	31	Upper Los Alamos Canyon	Regional Top	R-9	683.0	10/9/2024	REG	F	INIT	Metals	Barium	Ba	159	1	LANL Reg BG LVL	38.1	4.2	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	18	23	5/21/2009	37.8	55.7	42.2	23	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	FD	F	INIT	Metals	Barium	Ba	53.9	1	LANL Int BG LVL	13.5	4	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	18	23	5/21/2009	37.8	55.7	42.2	23	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	REG	F	INIT	Metals	Barium	Ba	51.4	1	LANL Int BG LVL	13.5	3.8	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	18	23	5/21/2009	32.5	50.7	39.5	23	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	FD	F	INIT	Metals	Calcium	Ca	49.5	1	LANL Int BG LVL	10.7	4.6	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	18	23	5/21/2009	32.5	50.7	39.5	23	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	REG	F	INIT	Metals	Calcium	Ca	48.7	1	LANL Int BG LVL	10.7	4.6	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	18	23	5/21/2009	109	174	132	23	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	FD	F	INIT	Geninorg	Hardness	Hardness	165	1	LANL Int BG LVL	37.8	4.4	0.453	mg/L	1.00	—	NQ	NQ	SM:A2340B	GELC	
C4	18	23	5/21/2009	109	174	132	23	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	REG	F	INIT	Geninorg	Hardness	Hardness	163	1	LANL Int BG LVL	37.8	4.3	0.453	mg/L	1.00	—	NQ	NQ	SM:A2340B	GELC	
C4	18	23	5/21/2009	6.74	12	8.24	23	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	FD	F	INIT	Metals	Magnesium	Mg	10.1	1	LANL Int BG LVL	3.14	3.2	0.11	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	18	23	5/21/2009	6.74	12	8.24	23	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	REG	F	INIT	Metals	Magnesium	Mg	10.1	1	LANL Int BG LVL	3.14	3.2	0.11	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	18	23	5/21/2009	76.9	175	135	23	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	FD	F	INIT	Metals	Molybdenum	Mo	134	1	LANL Int BG LVL	2.9	46	0.200	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	18	23	5/21/2009	76.9	175	135	23	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	REG	F	INIT	Metals	Molybdenum	Mo	135	1	LANL Int BG LVL	2.9	47	0.200	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C4	19	24	5/21/2009	0.96	1.45	1.1	24	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	FD	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.29	1	LANL Int BG LVL	0.459	2.8	0.0170	mg/L	1.00	—	J-	I6a	EPA:353.2	GELC	
C4	19	24	5/21/2009	0.96	1.45	1.1	24	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.29	1	LANL Int BG LVL	0.459	2.8	0.0170	mg/L	1.00	—	J-	I6a	EPA:353.2	GELC	
C4	18	23	5/21/2009	4.56	6.88	5.52	23	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	FD	F	INIT	Metals	Potassium	K	6.17	1	LANL Int BG LVL	2.35	2.6	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	18	23	5/21/2009	4.56	6.88	5.52	23	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	REG	F	INIT	Metals	Potassium	K	6.12	1	LANL Int BG LVL	2.35	2.6	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	18	23	5/21/2009	168	305	215	23	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	FD	F	INIT	Metals	Strontium	Sr	276	1	LANL Int BG LVL	59.6	4.6	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	18	23	5/21/2009	168	305	215	23	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	REG	F	INIT	Metals	Strontium	Sr	270	1	LANL Int BG LVL	59.6	4.5	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
C4	18	23	5/21/2009	0.777	2.14	1.09	23	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	FD	F	INIT	Metals	Uranium	U	2.14	2	LANL Int BG LVL	0.992	2.2	0.0670	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	

Table 1. NMED 11-24 Groundwater Report

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	Analytical Suite Code	Analyte Description	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	Analytical Method Code	Lab Code	Comment
C4	18	23	5/21/2009	0.777	2.14	1.09	23	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	REG	F	INIT	Metals	Uranium	U	2.14	2	LANL Int BG LVL	0.992	2.2	0.0670	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C5	21	21	11/4/2021	10.5	26.1	22.5	21	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	10/9/2024	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	24.5	1	NMED A1 TAP SCRN LVL	13.8	1.8	0.250	µg/L	5.00	—	NQ	NQ	SW-846:6850	GELC	
C5	114	125	3/6/2010	5.7	150	45.1	125	Mortandad Canyon	Regional Top	R-50 S1	1077.0	10/10/2024	REG	F	INIT	Metals	Chromium	Cr	37.4	1	NM GW STD	50	0.7	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	
C5	97	110	5/20/2011	2.03	90.8	34.8	109	Mortandad Canyon	Regional Top	R-61 S1	1125.0	10/16/2024	REG	F	INIT	Metals	Chromium	Cr	90.8	3	NM GW STD	50	1.8	3.00	µg/L	1.00	—	NQ	NQ	SW-846:6020B	GELC	

[a] — = Lab qualifier not applicable.

[b] S1 = Screen 1.

[c] S2 = Screen 2.

Table 2. NMED 11-24 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	Analytical Suite Code	Analyte Description	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	Analytical Method Code	Lab Code	Comment
XC2scr	20	21	11/10/2021	1.71	1.71	1.71	1	Mortandad Canyon	Regional Deep	CRPZ-4	957	10/23/2024	REG	F	INIT	Metals	Antimony	Sb	1.71	1	Reg-Scr_95	1	1.7	1.00	µg/L	1.00	J	J	J_LAB	SW-846:6020B	GELC	
XC2scr	21	21	11/22/2021	2.8	2.8	2.8	1	Mortandad Canyon	Regional Deep	CRPZ-5	976	10/22/2024	REG	F	INIT	Metals	Antimony	Sb	2.80	1	Reg-Scr_95	1	2.8	1.00	µg/L	1.00	J	J	J_LAB	SW-846:6020B	GELC	
XC2scr	24	26	1/9/2022	0.312	8.13	0.315	3	Mortandad Canyon	Regional Top	R-72 S1[a]	1220.0	10/15/2024	REG	F	INIT	Metals	Copper	Cu	8.13	25.8	Reg-Scr_95	3	2.7	0.300	µg/L	1.00	—[b]	NQ	NQ	SW-846:6020B	GELC	
XC2scr	18	18	10/6/2003	58.1	58.1	58.1	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 3AA	0	9/30/2024	REG	F	INIT	Metals	Iron	Fe	58.1	1	Reg-Scr_95	53.8	1.1	30.0	µg/L	1.00	J	J	J_LAB	SW-846:6010D	GELC	
XC2scr	2	2	10/2/2023	0.134	0.134	0.134	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	9/30/2024	REG	F	INIT	General Chemistry	Bromide	Br(-1)	0.134	1	Reg-Scr_95	0.067	2	0.0670	mg/L	1.00	J	J	J_LAB	SW-846:9056A	GELC	
XC2scr	1	2	9/24/2024	2.56	2.57	2.565	2	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	REG	F	INIT	General Chemistry	Bromide	Br(-1)	2.56	1	Int-Scr_95	0.0716	35.8	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	
XC2scr	1	2	9/24/2024	2.56	2.57	2.565	2	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	FD	F	INIT	General Chemistry	Bromide	Br(-1)	2.57	1	Int-Scr_95	0.0716	35.9	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	
XC4scr	13	13	10/10/2023	0.125	0.193	0.15	13	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	10/9/2024	REG	F	INIT	General Chemistry	Bromide	Br(-1)	0.147	1	Reg-Scr_95	0.067	2.2	0.0670	mg/L	1.00	J	J	J_LAB	SW-846:9056A	GELC	
XC4scr	13	13	10/12/2023	0.468	0.733	0.558	13	Mortandad Canyon	Regional Top	CRPZ-2A	909.8	10/9/2024	REG	F	INIT	General Chemistry	Bromide	Br(-1)	0.509	0.9	Reg-Scr_95	0.067	7.6	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	
XC4scr	21	22	11/10/2021	204	279	248.5	22	Mortandad Canyon	Regional Top	CRPZ-2A	909.8	10/9/2024	REG	F	INIT	Metals	Strontium	Sr	254	1	Reg-Scr_95	74.4	3.4	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
XC4scr	13	13	10/19/2023	0.149	0.185	0.159	13	Mortandad Canyon	Regional Top	CRPZ-3	939.4	10/22/2024	REG	F	INIT	General Chemistry	Bromide	Br(-1)	0.157	1	Reg-Scr_95	0.067	2.3	0.0670	mg/L	1.00	J	J	J_LAB	SW-846:9056A	GELC	
XC4scr	21	21	11/9/2021	28.5	37.6	33.8	21	Mortandad Canyon	Regional Top	CRPZ-3	939.4	10/22/2024	REG	F	INIT	Metals	Calcium	Ca	37.6	1.1	Reg-Scr_95	14.5	2.6	0.0500	mg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
XC4scr	21	21	11/9/2021	101	134	122	21	Mortandad Canyon	Regional Top	CRPZ-3	939.4	10/22/2024	REG	F	INIT	Geninorg	Hardness	Hardness	134	1.1	Reg-Scr_95	51	2.6	0.453	mg/L	1.00	—	NQ	NQ	SM:A2340B	GELC	
XC4scr	112	132	8/30/2007	20.6	54.5	40.45	126	Sandia Canyon	Regional Deep	R-35a	1013.1	10/18/2024	REG	F	INIT	Metals	Boron	B	41.2	1	Reg-Scr_95	18.7	2.2	15.0	µg/L	1.00	J	J	J_LAB	SW-846:6010D	GELC	
XC4scr	112	132	8/30/2007	137	199	168	132	Sandia Canyon	Regional Deep	R-35a	1013.1	10/18/2024	REG	F	INIT	Metals	Strontium	Sr	160	1	Reg-Scr_95	74.4	2.2	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
XC4scr	13	15	10/19/2023	0.327	0.426	0.348	15	Mortandad Canyon	Regional Top	R-42	931.8	10/29/2024	REG	F	INIT	General Chemistry	Bromide	Br(-1)	0.359	1	Reg-Scr_95	0.067	5.4	0.0670	mg/L	1.00	—	NQ	NQ	SW-846:9056A	GELC	
XC4scr	43	47	10/9/2008	120	241	203	47	Mortandad Canyon	Regional Top	R-42	931.8	10/29/2024	REG	F	INIT	Metals	Strontium	Sr	227	1.1	Reg-Scr_95	74.4	3.1	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
XC4scr	13	15	10/11/2023	0.131	0.187	0.15	15	Mortandad Canyon	Regional Top	R-44 S1	895.0	10/21/2024	REG	F	INIT	General Chemistry	Bromide	Br(-1)	0.137	0.9	Reg-Scr_95	0.067	2	0.0670	mg/L	1.00	J	J	J_LAB	SW-846:9056A	GELC	
XC4scr	13	16	10/11/2023	0.127	0.196	0.15	16	Mortandad Canyon	Regional Top	R-45 S1	880.0	10/21/2024	FD	F	INIT	General Chemistry	Bromide	Br(-1)	0.145	1	Reg-Scr_95	0.067	2.2	0.0670	mg/L	1.00	J	J	J_LAB	SW-846:9056A	GELC	
XC4scr	13	16	10/11/2023	0.127	0.196	0.15	16	Mortandad Canyon	Regional Top	R-45 S1	880.0	10/21/2024	REG	F	INIT	General Chemistry	Bromide	Br(-1)	0.144	1	Reg-Scr_95	0.067	2.1	0.0670	mg/L	1.00	J	J	J_LAB	SW-846:9056A	GELC	
XC4scr	13	13	10/12/2023	0.141	0.185	0.153	13	Mortandad Canyon	Regional Top	R-50 S1	1077.0	10/10/2024	REG	F	INIT	General Chemistry	Bromide	Br(-1)	0.151	1	Reg-Scr_95	0.067	2.3	0.0670	mg/L	1.00	J	J	J_LAB	SW-846:9056A	GELC	
XC4scr	24	31	2/28/2000	39	57.6	47.2	30	Upper Los Alamos Canyon	Regional Top	R-9	683.0	10/09/2024	REG	F	INIT	Metals	Boron	B	40.3	0.9	Reg-Scr_95	18.7	2.2	15.0	µg/L	1.00	J	J	J_LAB	SW-846:6010D	GELC	
XC4scr	24	31	2/28/2000	63.5	199	177	31	Upper Los Alamos Canyon	Regional Top	R-9	683.0	10/09/2024	REG	F	INIT	Metals	Strontium	Sr	183	1	Reg-Scr_95	74.4	2.5	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
XC4scr	21	23	10/6/2003	220	256	239	23	White Rock Canyon and Rio Grande	Regional Spring	Spring 3	0	9/30/2024	REG	F	INIT	Metals	Strontium	Sr	240	1	Reg-Scr_95	74.4	3.2	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
XC4scr	18	18	10/6/2003	149	167	158	18	White Rock Canyon and Rio Grande	Regional Spring	Spring 3AA	0	9/30/2024	REG	F	INIT	Metals	Strontium	Sr	155	1	Reg-Scr_95	74.4	2.1	1.00	µg/L	1.00	—	NQ	NQ	SW-846:6010D	GELC	
XC4scr	19	24	5/21/2009	0.523	0.767	0.6315	24	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	FD	F	INIT	LCMS/MS	Perchlorate	ClO4	0.653	1	Int-Scr_95	0.257	2.5	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	
XC4scr	19	24	5/21/2009	0.523	0.767	0.6315	24	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	0.658	1	Int-Scr_95	0.257	2.6	0.0500	µg/L	1.00	—	NQ	NQ	SW-846:6850	GELC	

Table 2. NMED 11-24 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	Analytical Suite Code	Analyte Description	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	Analytical Method Code	Lab Code	Comment
XC4scr	19	24	5/21/2009	217	315	250.5	24	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	FD	F	INIT	Geninorg	Total Dissolved Solids	TDS	315	1.3	Int-Scr_95	135	2.3	2.38	mg/L	1.00	—	J+	I4g	EPA:160.1	GELC	
XC4scr	19	24	5/21/2009	217	315	250.5	24	Upper Los Alamos Canyon	Intermediate	TA-53i	600.0	9/24/2024	REG	F	INIT	Geninorg	Total Dissolved Solids	TDS	304	1.2	Int-Scr_95	135	2.3	2.38	mg/L	1.00	—	J+	I4g	EPA:160.1	GELC	

[a] S1 = Screen 1.

[b] — = Lab qualifier not applicable.