



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

EMLA-2022-BF042-02-001

January 27, 2022

Mr. Rick Shean
Bureau Chief
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 January 2022

Dear Mr. Shean:

This letter is the U.S. Department of Energy (DOE) Environmental Management Los Alamos Field Office (EM-LA) and Newport News Nuclear BWXT-Los Alamos, LLC (N3B) written submission in accordance with Section XXVI.D of the 2016 Compliance Order on Consent (2016 Consent Order). Members of EM-LA and N3B met on January 13, 2022, to review groundwater data loaded or released in the Environmental Information Management (EIM) 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 2016 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 tap water standard's carcinogenic risk values were adjusted to 1×10^{-5} , as specified in the 2016 Consent Order.

The enclosed report was prepared using the May 2021 EPA regional screening levels for tap water; the NMWQCC groundwater standards published December 21, 2018; and the June 2019 Table A-1 of "Risk Assessment Guidance for Site Investigations and Remediation" for NMED tap water screening levels.

1-Day Notification

There were five instances of a constituent detected at a concentration that exceeded the NMWQCC groundwater standard or EPA MCL at a location where that constituent has not previously been detected above the respective standard as defined in the 2016 Consent Order (based on samples collected since June 14, 2007).

EM-LA notified NMED orally within one business day of the review of the analytical data, which showed detection of these contaminants, on January 13, 2022 (per Section XXVI.C of the Consent Order).

The five instances described below concern samples collected from regional aquifer piezometers in the Chromium Investigation monitoring group area (CrPZ wells). These results are reported under the "CA" category not because they are newly discovered concentrations, but because these wells (CrPZ wells) have been newly incorporated under the Interim Facility-Wide Groundwater Monitoring Plan for the 2022

Monitoring Year (MY 2022 IFGMP) as discussed in section 3.3 of the MY 2022 IFGMP. Sampling over the previous several years provided screening level results and, in each case, the reported results from the recent results reported in this notification generally conform to historical values and trends.

A filtered sample collected on November 4, 2021, from CrPZ-1 resulted in the measurement of a contaminant that exceeded its corresponding screening level. Chromium was measured at 72.5 µg/L, exceeding the 50-µg/L Table A-1 NMWQCC groundwater standard.

A filtered sample collected on November 10, 2021, from CrPZ-2a resulted in the measurement of a contaminant that exceeded its corresponding screening level. Chromium was measured at 239 µg/L, exceeding the 50-µg/L Table A-1 NMWQCC groundwater standard.

A filtered sample collected on November 9, 2021, from CrPZ-3 resulted in the measurement of a contaminant that exceeded its corresponding screening level. Chromium was measured at 300 µg/L, exceeding the 50-µg/L Table A-1 NMWQCC groundwater standard.

A filtered sample collected on November 10, 2021, from CrPZ-4 resulted in the measurement of a contaminant that exceeded its corresponding screening level. Chromium was measured at 92.5 µg/L, exceeding the 50-µg/L Table A-1 NMWQCC groundwater standard.

A filtered sample collected on November 22, 2021, from CrPZ-5 resulted in the measurement of a contaminant that exceeded its corresponding screening level. Chromium was measured at 411 µg/L, exceeding the 50-µg/L Table A-1 NMWQCC groundwater standard.

15-Day Notification

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

If you have questions, please contact Steve Veenis at (505) 309-1362 (steve.veenis@em-la.doe.gov) or Hai Shen at (505) 709-7600 (hai.shen@em.doe.gov).

Sincerely,

**ARTURO
DURAN**

Arturo Q. Duran
Compliance and Permitting Manager
Environmental Management
Los Alamos Field Office

Digitally signed by
ARTURO DURAN
Date: 2022.01.24
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Enclosure(s):

1. Summary of Groundwater Data Reviewed in January 2022 that Meet Notification Requirements (EM2022-0051)

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
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SUMMARY OF GROUNDWATER DATA REVIEWED IN JANUARY 2022 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” for the 2022 monitoring year and contains results for contaminants and other chemical constituents that meet the five screening criteria described in Section XXVI of the 2016 Compliance Order on Consent, modified February 2017 (2016 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, as indicated in the tables.

The report includes two tables. Table 1, NMED 12-21 Groundwater Report, presents categorical results since June 14, 2007, that met the five reporting criteria as specified in the 2016 Consent Order. Table 2, NMED 12-21 Groundwater Report Addendum, presents results that exceed the 95th percentile of those results in the data set defined in the “Groundwater Background Investigation Report, Revision 5.” Only the contaminants and other chemical constituents that lack a calculated groundwater background value (i.e., the frequency of detections was too low to calculate a background value at the 95% upper tolerance level) are listed in this table. Table 2 is a voluntary submission by N3B to NMED that identifies the potential risk resulting from contaminants and other chemical constituents that are without defined background values.

These tables include the following:

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

Additional information describing the locations and analytical data is also 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 2016 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 “Groundwater Background Investigation Report, Revision 5.” The EPA tap water standard’s carcinogenic risk values were adjusted to 1×10^{-5} , as specified in the 2016 Consent Order. This report was prepared using the May 2021 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 2019 Table A-1 of “Risk Assessment Guidance for Site Investigations and Remediation.”

Background values applied in Table 1 notification criterion C4 are the background values for hydrogeological zones as set forth in the NMED-approved "Groundwater Background Investigation Report, Revision 5."

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 "Groundwater Background Investigation Report, Revision 5."

DESCRIPTION OF TABLES

1-Day Notification Requirement

The CA value is used in the Criteria Code column of Table 1. The CA value indicates detection of a contaminant in a well screen interval or spring at a concentration that exceeds either the NMWQCC water quality standard or the EPA MCL if that contaminant has not previously exceeded such a water quality standard at that location. N3B, under the U.S. Department of Energy Environmental Management Los Alamos Field Office, notifies NMED orally within 1 business day after review of such analytical data and also includes the data in the 15-day notification table.

15-Day Notification Requirement

Table 1 is divided into separate categories that correspond to the five screening criteria in Section XXVI of the 2016 Consent Order. In several cases, data met more than one of the notification criteria and therefore appear in the table multiple times.

The criteria codes (the "C" stands for criterion) and their definitions are as follows:

- C1. Detection of a contaminant that is an organic compound in a spring or screened interval of a well if that contaminant has not previously been detected in the spring or screened interval
- C2. Detection of a contaminant that is a metal or other inorganic compound at a concentration above the background level in a spring or screened interval of a well if that contaminant has not previously exceeded the background level in the spring or screened interval
- C3. Detection of a contaminant in a spring or screened interval of a well at a concentration that (1) exceeds the lower of either one-half the NMWQCC water quality standard or one-half the federal MCL; or, if there is no such standard for the contaminant, (2) exceeds one-half the tap water screening levels in Table A-1 of NMED's "Risk Assessment Guidance for Site Investigations and Remediation" (June 2019); or, if there is no NMED tap water screening level available for a contaminant, (3) exceeds one-half the EPA regional human health medium-specific screening level for tap water if that contaminant has not previously exceeded one-half such standard or screening level in the spring or screened interval
- C4. Detection of a contaminant that is a metal or other inorganic compound in a spring or screened interval of a well at a concentration that exceeds 2 times the background level for the third consecutive sampling of the spring or screened interval
- C5. Detection of a contaminant in a spring or screened interval of a well at a concentration that exceeds either one-half the NMWQCC water quality standard or one-half the federal MCL and which has increased for the third consecutive sampling of that spring or screened interval

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

The two criteria are as follows:

- XC2scr Detection of a contaminant that is a metal or other inorganic compound at a concentration above the 95th percentile in a spring or screened interval of a well if that contaminant has not previously exceeded the 95th percentile of the data set used to establish background in the spring or screened interval as defined in the “Groundwater Background Investigation Report, Revision 5”
- 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 “Groundwater Background Investigation Report, Revision 5”

Columns 2 through 8 in both tables provide summary statistics for metals or organic/inorganic compounds by field preparation code (e.g., filtered 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)

Analy 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 (i.e., sample collection, additional quality control samples such as field duplicates, etc.) on the quality of the sample data

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

Analy Meth 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:

DOECAP—Department of Energy Consolidated Audit Program

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

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

GENINORG—General inorganic

HEXP—high explosive

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

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

ICP-AES—inductively coupled plasma atomic emission spectroscopy

ICP-MS—inductively coupled plasma mass spectrometry

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

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

LCMS/MS—liquid chromatography mass spectrometry/mass spectrometry

LCS—laboratory control sample

MDL—method detection limit

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

MS—matrix spike

MSD—matrix spike duplicate

n/a—not applicable

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

NMED A1 TAP SCRNLVL—New Mexico Environment Department screening level for tap water

NTU—nephelometric turbidity unit

PETN—pentaerythritol tetranitrate

PFAS—per- and polyfluoroalkyl substances

PQL—practical quantitation limit

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

SIM—selected ion monitoring

SVOC—semivolatile organic compound

TDS—total dissolved solids

TNX—2,4,6-trinitroxylenes

UAL—upper acceptance limit

UOM—unit of measurement

VOC—volatile organic compound

Analytical Laboratory Codes and Qualifiers

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

CFA—Cape Fear Analytical, LLC

BJ (lab qualifier)—Analyte is present in the blank, and the associated numerical value is an estimated quantity.

F—filtered

FD—field duplicate

GELC—GEL Laboratories, LLC, Division of the GEL Group, Charleston, SC

GENINORG—general inorganic

H (lab qualifier)—The required extraction or analysis holding time for this result was exceeded.

HE1a (validation reason code)—The quantitating internal standard area count was below the lower acceptance limit.

HE12a (validation reason code)—The LCS %recovery was less than the lower acceptance limit but greater than 10%.

HJ (lab qualifier)—The required extraction or analysis holding time for this result was exceeded. The associated numerical value is an estimated quantity.

HR4g—The detected sample result is ≥ 5 times and < 100 times the detected concentration of the same analyte in the associated blank.

HR12a—The laboratory control sample or ongoing precision and recovery sample percent recovery was $<$ the lower acceptance limit and \geq the rejection limit.

HR12e—The matrix spike percent recovery was $<$ the lower control limit.

I4a (validation reason code)—The affected analyte is considered estimated and biased high because this analyte was identified in the method blank but was greater than 5 times the concentration of the affected analyte in the sample.

I4g (validation reason code)—Result less than a multiple of some secondary higher value found in field, trip, or rinsate blank.

I6a (validation reason code)—MS/MSD recovery below lower limit.

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

I7h—The initial or continuing calibration blank result is $>$ method detection limit and the detected sample result is ≥ 5 times and < 100 times the blank result.

I9b (validation reason code)—The affected analytes are regarded as rejected because the analytical holding time was exceeded.

I9c—The non-aqueous mercury, chromium(VI), or general chemistry sample temperature was greater than 10°C upon receipt at the laboratory.

I10a—The sample and the duplicate sample results are greater than or equal to 5 times the reporting limit and the duplicate sample relative percent difference is greater than 20% for water samples and greater than 35% for soil samples, or outside of the laboratory's limits.

INIT—primary sample

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 negative 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 positive bias.

J_LAB (validation reason code)—The analytical laboratory qualified the detected result as estimated (J) because the result was less than the PQL but greater than the MDL.

N (lab qualifier)—Spiked sample recovery is not within control limits.

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 with any other standard qualifier. The analyte is detected in the sample.

PE9c—The sample temperature was >6°C, or the sample preservation criteria was not met, upon receipt at the laboratory.

PE12e (validation reason code)—The MS/MSD percent recovery was greater than 10% but less than 75%.

RE—reanalysis

RL—reporting limit

RPD—relative percent difference

REG—regular sample

SV7b—The initial or continuing calibration verification relative response factor < the laboratory's lower limit.

SV7c (validation reason code)—The percent drift was above acceptance limits in the initial calibration verification (ICV) or continuing calibration verification (CCV).

SV8 (validation reason code)—The affected analyte is considered not detected because mass spectrum did not meet specifications. The detect status is changed to N.

SV9—The holding time was greater 1× and less than 2× the applicable holding time requirement.

SwRI—Southwest Research Institute

UF—unfiltered

V7b (validation reason code)—The initial or CCV relative response factor was less than the laboratory's lower limit.

V7k (validation reason code)—Level 3 data validation identified calibration issues affecting data usability.

V9b (validation reason code)—The preserved sample was analyzed outside the 14-day holding time or the unpreserved sample was analyzed outside the 7-day holding time.

Table 1: NMED 12-21 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	Analy 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	Analy Meth Code	Lab Code	Comment
C1	14	16	08/29/2007	1.84	1.84	1.84	1	Sandia Canyon	Regional Top	R-35b	825.4	11/22/2021	REG	UF	INIT	VOC	Acetone	67-64-1	1.84	1.0	NMED A1 TAP SCRNLVL	14100	0	1.74	µg/L	1.00	J	J	J_LAB	SW-846:8260D	GELC	
C1	12	14	08/29/2007	0.51	0.51	0.51	1	Sandia Canyon	Regional Top	R-35b	825.4	11/22/2021	REG	UF	INIT	SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	0.510	1.0	EPA MCL	6	0.1	0.300	µg/L	1.00	J	U	SV8	SW-846:8270E	GELC	
C1	10	10	06/18/2009	0.37	0.37	0.37	1	Sandia Canyon	Regional Deep	R-43 S2	969.1	11/02/2021	REG	UF	INIT	VOC	Trichloroethene	79-01-6	0.370	1.0	NM GW STD	5	0.1	0.333	µg/L	1.00	J	J	J_LAB	SW-846:8260D	GELC	
C1	10	10	07/16/2009	0.85	0.85	0.85	1	Mortandad Canyon	Regional Top	R-45 S1	880.0	11/18/2021	REG	UF	INIT	VOC	Dichloroethane[1,2-]	107-06-2	0.850	1.0	NM GW STD	5	0.2	0.333	µg/L	1.00	J	J	J_LAB	SW-846:8260D	GELC	
C1	2	2	11/19/2019	0.237	0.237	0.237	1	Mortandad Canyon	Regional Top	R-45 S1	880.0	11/18/2021	REG	UF	INIT	Low-level 1,4-dioxane	Dioxane[1,4-]	123-91-1	0.237	1.0	NMED A1 TAP SCRNLVL	4.59	0.1	0.100	µg/L	1.00	J	J	SV7b	SW-846:8270E_SIM	GELC	
C1	11	12	05/27/2010	1.45	1.45	1.45	1	Mortandad Canyon	Regional Top	R-50 S1	1077.0	11/12/2021	REG	UF	INIT	VOC	Dichloroethane[1,2-]	107-06-2	1.45	1.0	NM GW STD	5	0.3	0.333	µg/L	1.00		NQ	NQ	SW-846:8260D	GELC	
C1	11	12	01/11/2007	2.16	2.16	2.16	1	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	UF	INIT	VOC	Acetone	67-64-1	2.16	1.0	NMED A1 TAP SCRNLVL	14100	0	1.74	µg/L	1.00	J	J	J_LAB	SW-846:8260D	GELC	
C2	1	1	11/04/2021	6.02	6.02	6.02	1	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	11/04/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	6.02	1.0	LANL Reg BGLVL	2.7	2.2	0.0670	mg/L	1.00		NQ	NQ	EPA:300.0	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/04/2021	72.5	72.5	72.5	1	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	11/04/2021	REG	F	INIT	Metals	Chromium	Cr	72.5	1.0	LANL Reg BGLVL	7.48	9.7	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/04/2021	0.473	0.473	0.473	1	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	11/04/2021	REG	F	INIT	Geninorg	Fluoride	F(-1)	0.473	1.0	LANL Reg BGLVL	0.377	1.3	0.0330	mg/L	1.00		J-	I6a	EPA:300.0	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/04/2021	5.2	5.2	5.2	1	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	11/04/2021	REG	F	INIT	Metals	Magnesium	Mg	5.2	1.0	LANL Reg BGLVL	4.18	1.2	0.11	mg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/04/2021	2.91	2.91	2.91	1	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	11/04/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.91	1.0	LANL Reg BGLVL	0.769	3.8	0.0850	mg/L	5.00		NQ	NQ	EPA:353.2	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/04/2021	13.6	13.6	13.6	1	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	11/04/2021	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	13.6	1.0	LANL Reg BGLVL	0.414	32.9	0.250	µg/L	5.00		NQ	NQ	SW-846:6850	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/04/2021	10.3	10.3	10.3	1	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	11/04/2021	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	10.3	1.0	LANL Reg BGLVL	4.59	2.2	0.133	mg/L	1.00		NQ	NQ	EPA:300.0	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/04/2021	166	166	166	1	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	11/04/2021	REG	F	INIT	Geninorg	Total Dissolved Solids	TDS	166	1.0	LANL Reg BGLVL	161	1	3.40	mg/L	1.00		NQ	NQ	EPA:160.1	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	97.1	97.1	97.1	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Geninorg	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	97.1	1.0	LANL Reg BGLVL	72.9	1.3	1.45	mg/L	1.00		NQ	NQ	EPA:310.1	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	76.5	76.5	76.5	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Metals	Barium	Ba	76.5	1.0	LANL Reg BGLVL	38.1	2	1.00	µg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	60.2	60.2	60.2	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Metals	Calcium	Ca	60.2	1.0	LANL Reg BGLVL	17.03	3.5	0.05	mg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	46.1	46.1	46.1	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	46.1	1.0	LANL Reg BGLVL	2.7	17.1	0.670	mg/L	10.0		J-	I6a	EPA:300.0	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	239	239	239	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Metals	Chromium	Cr	239	1.0	LANL Reg BGLVL	7.48	32	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	209	209	209	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Geninorg	Hardness	Hardness	209	1.0	LANL Reg BGLVL	67.1	3.1	0.453	mg/L	1.00		NQ	NQ	SM:A2340B	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	14.2	14.2	14.2	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Metals	Magnesium	Mg	14.2	1.0	LANL Reg BGLVL	4.18	3.4	0.11	mg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)

Table 1: NMED 12-21 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	Analy 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	Analy Meth Code	Lab Code	Comment
C2	1	1	11/10/2021	8.24	8.24	8.24	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Metals	Nickel	Ni	8.24	1.0	LANL Reg BG LVL	2.9	2.8	0.600	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	4.84	4.84	4.84	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	4.84	1.0	LANL Reg BG LVL	0.769	6.3	0.0850	mg/L	5.00		NQ	NQ	EPA:353.2	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	0.971	0.971	0.971	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	LCMS/MS	Perchlorate	CIO4	0.971	1.0	LANL Reg BG LVL	0.414	2.3	0.0500	µg/L	1.00		J-	PE12e	SW-846:6850	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	20.9	20.9	20.9	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Metals	Sodium	Na	20.9	1.0	LANL Reg BG LVL	16	1.3	0.1	mg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	240	240	240	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Metals	Strontium	Sr	240	1.0	LANL Reg BG LVL	157	1.5	1.00	µg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	60.1	60.1	60.1	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	60.1	1.0	LANL Reg BG LVL	4.59	13.1	1.33	mg/L	10.0		J+	I6b	EPA:300.0	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	329	329	329	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Geninorg	Total Dissolved Solids	TDS	329	1.0	LANL Reg BG LVL	161	2	3.40	mg/L	1.00		NQ	NQ	EPA:160.1	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	3.51	3.51	3.51	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Metals	Uranium	U	3.51	1.0	LANL Reg BG LVL	1.19	2.9	0.0670	µg/L	1.00		J+	I4a,I7h	SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/09/2021	44.5	44.5	44.5	1	Mortandad Canyon	Regional Top	CRPZ-3	939.4	11/09/2021	REG	F	INIT	Metals	Barium	Ba	44.5	1.0	LANL Reg BG LVL	38.1	1.2	1.00	µg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/09/2021	28.5	28.5	28.5	1	Mortandad Canyon	Regional Top	CRPZ-3	939.4	11/09/2021	REG	F	INIT	Metals	Calcium	Ca	28.5	1.0	LANL Reg BG LVL	17.03	1.7	0.05	mg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/09/2021	17.1	17.1	17.1	1	Mortandad Canyon	Regional Top	CRPZ-3	939.4	11/09/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	17.1	1.0	LANL Reg BG LVL	2.7	6.3	0.335	mg/L	5.00		NQ	NQ	EPA:300.0	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/09/2021	300	300	300	1	Mortandad Canyon	Regional Top	CRPZ-3	939.4	11/09/2021	REG	F	INIT	Metals	Chromium	Cr	300	1.0	LANL Reg BG LVL	7.48	40.1	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/09/2021	101	101	101	1	Mortandad Canyon	Regional Top	CRPZ-3	939.4	11/09/2021	REG	F	INIT	Geninorg	Hardness	Hardness	101	1.0	LANL Reg BG LVL	67.1	1.5	0.453	mg/L	1.00		NQ	NQ	SM:A2340B	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/09/2021	7.24	7.24	7.24	1	Mortandad Canyon	Regional Top	CRPZ-3	939.4	11/09/2021	REG	F	INIT	Metals	Magnesium	Mg	7.24	1.0	LANL Reg BG LVL	4.18	1.7	0.11	mg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/09/2021	5.54	5.54	5.54	1	Mortandad Canyon	Regional Top	CRPZ-3	939.4	11/09/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.54	1.0	LANL Reg BG LVL	0.769	7.2	0.170	mg/L	10.0		NQ	NQ	EPA:353.2	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/09/2021	1.13	1.13	1.13	1	Mortandad Canyon	Regional Top	CRPZ-3	939.4	11/09/2021	REG	F	INIT	LCMS/MS	Perchlorate	CIO4	1.13	1.0	LANL Reg BG LVL	0.414	2.7	0.0500	µg/L	1.00		NQ	NQ	SW-846:6850	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/09/2021	28	28	28	1	Mortandad Canyon	Regional Top	CRPZ-3	939.4	11/09/2021	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	28.0	1.0	LANL Reg BG LVL	4.59	6.1	0.665	mg/L	5.00		NQ	NQ	EPA:300.0	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/09/2021	239	239	239	1	Mortandad Canyon	Regional Top	CRPZ-3	939.4	11/09/2021	REG	F	INIT	Geninorg	Total Dissolved Solids	TDS	239	1.0	LANL Reg BG LVL	161	1.5	3.40	mg/L	1.00		NQ	NQ	EPA:160.1	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	73.8	73.8	73.8	1	Mortandad Canyon	Regional Deep	CRPZ-4	957.0	11/10/2021	REG	F	INIT	Geninorg	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	73.8	1.0	LANL Reg BG LVL	72.9	1	1.45	mg/L	1.00		NQ	NQ	EPA:310.1	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	22.3	22.3	22.3	1	Mortandad Canyon	Regional Deep	CRPZ-4	957.0	11/10/2021	REG	F	INIT	Metals	Calcium	Ca	22.3	1.0	LANL Reg BG LVL	17.03	1.3	0.05	mg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	6.31	6.31	6.31	1	Mortandad Canyon	Regional Deep	CRPZ-4	957.0	11/10/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	6.31	1.0	LANL Reg BG LVL	2.7	2.3	0.0670	mg/L	1.00		J-	I6a	EPA:300.0	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	92.5	92.5	92.5	1	Mortandad Canyon	Regional Deep	CRPZ-4	957.0	11/10/2021	REG	F	INIT	Metals	Chromium	Cr	92.5	1.0	LANL Reg BG LVL	7.48	12.4	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)

Table 1: NMED 12-21 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	Analy 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	Analy Meth Code	Lab Code	Comment
C2	1	1	11/10/2021	87.4	87.4	87.4	1	Mortandad Canyon	Regional Deep	CRPZ-4	957.0	11/10/2021	REG	F	INIT	Geninorg	Hardness	Hardness	87.4	1.0	LANL Reg BG LVL	67.1	1.3	0.453	mg/L	1.00		NQ	NQ	SM:A2340B	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	7.66	7.66	7.66	1	Mortandad Canyon	Regional Deep	CRPZ-4	957.0	11/10/2021	REG	F	INIT	Metals	Magnesium	Mg	7.66	1.0	LANL Reg BG LVL	4.18	1.8	0.11	mg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	5.2	5.2	5.2	1	Mortandad Canyon	Regional Deep	CRPZ-4	957.0	11/10/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.20	1.0	LANL Reg BG LVL	0.769	6.8	0.0850	mg/L	5.00		NQ	NQ	EPA:353.2	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	2.78	2.78	2.78	1	Mortandad Canyon	Regional Deep	CRPZ-4	957.0	11/10/2021	REG	F	INIT	LCMS/MS	Perchlorate	CIO4	2.78	1.0	LANL Reg BG LVL	0.414	6.7	0.0500	µg/L	1.00		J-	PE12e	SW-846:6850	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	12.6	12.6	12.6	1	Mortandad Canyon	Regional Deep	CRPZ-4	957.0	11/10/2021	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	12.6	1.0	LANL Reg BG LVL	4.59	2.7	0.133	mg/L	1.00		J+	I6b	EPA:300.0	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/10/2021	173	173	173	1	Mortandad Canyon	Regional Deep	CRPZ-4	957.0	11/10/2021	REG	F	INIT	Geninorg	Total Dissolved Solids	TDS	173	1.0	LANL Reg BG LVL	161	1.1	3.40	mg/L	1.00		NQ	NQ	EPA:160.1	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/22/2021	54.3	54.3	54.3	1	Mortandad Canyon	Regional Deep	CRPZ-5	976.0	11/22/2021	REG	F	INIT	Metals	Barium	Ba	54.3	1.0	LANL Reg BG LVL	38.1	1.4	1.00	µg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/22/2021	24.5	24.5	24.5	1	Mortandad Canyon	Regional Deep	CRPZ-5	976.0	11/22/2021	REG	F	INIT	Metals	Calcium	Ca	24.5	1.0	LANL Reg BG LVL	17.03	1.4	0.05	mg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/22/2021	15	15	15	1	Mortandad Canyon	Regional Deep	CRPZ-5	976.0	11/22/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	15.0	1.0	LANL Reg BG LVL	2.7	5.6	0.134	mg/L	2.00		J+	I6b	EPA:300.0	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/22/2021	411	411	411	1	Mortandad Canyon	Regional Deep	CRPZ-5	976.0	11/22/2021	REG	F	INIT	Metals	Chromium	Cr	411	1.0	LANL Reg BG LVL	7.48	54.9	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/22/2021	92.3	92.3	92.3	1	Mortandad Canyon	Regional Deep	CRPZ-5	976.0	11/22/2021	REG	F	INIT	Geninorg	Hardness	Hardness	92.3	1.0	LANL Reg BG LVL	67.1	1.4	0.453	mg/L	1.00		NQ	NQ	SM:A2340B	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/22/2021	7.57	7.57	7.57	1	Mortandad Canyon	Regional Deep	CRPZ-5	976.0	11/22/2021	REG	F	INIT	Metals	Magnesium	Mg	7.57	1.0	LANL Reg BG LVL	4.18	1.8	0.11	mg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/22/2021	4.49	4.49	4.49	1	Mortandad Canyon	Regional Deep	CRPZ-5	976.0	11/22/2021	REG	F	INIT	Metals	Nickel	Ni	4.49	1.0	LANL Reg BG LVL	2.9	1.5	0.600	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/22/2021	2.88	2.88	2.88	1	Mortandad Canyon	Regional Deep	CRPZ-5	976.0	11/22/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.88	1.0	LANL Reg BG LVL	0.769	3.7	0.170	mg/L	10.0		NQ	NQ	EPA:353.2	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/22/2021	0.827	0.827	0.827	1	Mortandad Canyon	Regional Deep	CRPZ-5	976.0	11/22/2021	REG	F	INIT	LCMS/MS	Perchlorate	CIO4	0.827	1.0	LANL Reg BG LVL	0.414	2	0.0500	µg/L	1.00		NQ	NQ	SW-846:6850	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/22/2021	2.47	2.47	2.47	1	Mortandad Canyon	Regional Deep	CRPZ-5	976.0	11/22/2021	REG	F	INIT	Metals	Potassium	K	2.47	1.0	LANL Reg BG LVL	2.39	1	0.05	mg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/22/2021	26.1	26.1	26.1	1	Mortandad Canyon	Regional Deep	CRPZ-5	976.0	11/22/2021	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	26.1	1.0	LANL Reg BG LVL	4.59	5.7	0.266	mg/L	2.00		J+	I4a	EPA:300.0	GELC	Result consistent with previous historical data (See Notes)
C2	1	1	11/22/2021	201	201	201	1	Mortandad Canyon	Regional Deep	CRPZ-5	976.0	11/22/2021	REG	F	INIT	Geninorg	Total Dissolved Solids	TDS	201	1.0	LANL Reg BG LVL	161	1.2	3.40	mg/L	1.00		NQ	NQ	EPA:160.1	GELC	Result consistent with previous historical data (See Notes)
C2	46	48	08/30/2007	0.317	0.427	0.3605	48	Mortandad Canyon	Regional Deep	R-33 S2	1112.4	11/17/2021	REG	F	INIT	LCMS/MS	Perchlorate	CIO4	0.427	1.2	LANL Reg BG LVL	0.414	1	0.0500	µg/L	1.00		NQ	NQ	SW-846:6850	GELC	
C3	1	1	11/04/2021	72.5	72.5	72.5	1	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	11/04/2021	REG	F	INIT	Metals	Chromium	Cr	72.5	1.0	NM GW STD	50	1.4	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)
C3	1	1	11/04/2021	13.6	13.6	13.6	1	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	11/04/2021	REG	F	INIT	LCMS/MS	Perchlorate	CIO4	13.6	1.0	NMED A1 TAP SCR N LVL	13.8	1	0.250	µg/L	5.00		NQ	NQ	SW-846:6850	GELC	Result consistent with previous historical data (See Notes)
C3	1	1	11/10/2021	239	239	239	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Metals	Chromium	Cr	239	1.0	NM GW STD	50	4.8	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)

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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	Analy 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	Analy Meth Code	Lab Code	Comment	
C3	1	1	11/09/2021	300	300	300	1	Mortandad Canyon	Regional Top	CRPZ-3	939.4	11/09/2021	REG	F	INIT	Metals	Chromium	Cr	300	1.0	NM GW STD	50	6	3.00	µg/L	1.00		NQ	NQ		SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)
C3	1	1	11/09/2021	5.54	5.54	5.54	1	Mortandad Canyon	Regional Top	CRPZ-3	939.4	11/09/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.54	1.0	EPA MCL	10	0.6	0.170	mg/L	10.0		NQ	NQ		EPA:353.2	GELC	Result consistent with previous historical data (See Notes)
C3	1	1	11/10/2021	92.5	92.5	92.5	1	Mortandad Canyon	Regional Deep	CRPZ-4	957.0	11/10/2021	REG	F	INIT	Metals	Chromium	Cr	92.5	1.0	NM GW STD	50	1.9	3.00	µg/L	1.00		NQ	NQ		SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)
C3	1	1	11/10/2021	5.2	5.2	5.2	1	Mortandad Canyon	Regional Deep	CRPZ-4	957.0	11/10/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.20	1.0	EPA MCL	10	0.5	0.0850	mg/L	5.00		NQ	NQ		EPA:353.2	GELC	Result consistent with previous historical data (See Notes)
C3	1	1	11/22/2021	411	411	411	1	Mortandad Canyon	Regional Deep	CRPZ-5	976.0	11/22/2021	REG	F	INIT	Metals	Chromium	Cr	411	1.0	NM GW STD	50	8.2	3.00	µg/L	1.00		NQ	NQ		SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)
C4	64	85	06/15/2005	30.1	48.2	39.6	85	Mortandad Canyon	Intermediate Perched	MCOI-6	686.0	11/08/2021	REG	F	INIT	Metals	Barium	Ba	38.0	1.0	LANL Int BG LVL	13.5	2.8	1.00	µg/L	1.00		NQ	NQ		SW-846:6010D	GELC	
C4	64	84	06/15/2005	42.8	75.5	62.35	84	Mortandad Canyon	Intermediate Perched	MCOI-6	686.0	11/08/2021	REG	F	INIT	Metals	Calcium	Ca	58.3	0.9	LANL Int BG LVL	10.7	5.4	0.05	mg/L	1.00		NQ	NQ		SW-846:6010D	GELC	
C4	65	85	06/15/2005	21.2	64.8	53.3	85	Mortandad Canyon	Intermediate Perched	MCOI-6	686.0	11/08/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	46.8	0.9	LANL Int BG LVL	3.11	15	0.670	mg/L	10.0		NQ	NQ		EPA:300.0	GELC	
C4	65	85	06/15/2005	0.412	0.668	0.525	82	Mortandad Canyon	Intermediate Perched	MCOI-6	686.0	11/08/2021	REG	F	INIT	Geninorg	Fluoride	F(-1)	0.511	1.0	LANL Int BG LVL	0.234	2.2	0.0330	mg/L	1.00		NQ	NQ		EPA:300.0	GELC	
C4	64	84	06/15/2005	142	253	209	84	Mortandad Canyon	Intermediate Perched	MCOI-6	686.0	11/08/2021	REG	F	INIT	Geninorg	Hardness	Hardness	194	0.9	LANL Int BG LVL	37.8	5.1	0.453	mg/L	1.00		NQ	NQ		SM:A2340B	GELC	
C4	64	84	06/15/2005	8.49	15.7	12.8	84	Mortandad Canyon	Intermediate Perched	MCOI-6	686.0	11/08/2021	REG	F	INIT	Metals	Magnesium	Mg	11.7	0.9	LANL Int BG LVL	3.14	3.7	0.11	mg/L	1.00		NQ	NQ		SW-846:6010D	GELC	
C4	64	85	06/15/2005	2.9	41.8	21.9	85	Mortandad Canyon	Intermediate Perched	MCOI-6	686.0	11/08/2021	REG	F	INIT	Metals	Nickel	Ni	21.1	1.0	LANL Int BG LVL	3.65	5.8	0.600	µg/L	1.00		NQ	NQ		SW-846:6020B	GELC	
C4	65	85	06/15/2005	7.62	20.4	10.9	85	Mortandad Canyon	Intermediate Perched	MCOI-6	686.0	11/08/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	13.5	1.2	LANL Int BG LVL	0.459	29.4	0.850	mg/L	50.0		NQ	NQ		EPA:353.2	GELC	
C4	60	76	02/26/2007	56.3	190	80.3	76	Mortandad Canyon	Intermediate Perched	MCOI-6	686.0	11/08/2021	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	102	1.3	LANL Int BG LVL	0.27	377.8	1.00	µg/L	20.0		NQ	NQ		SW-846:6850	GELC	
C4	64	84	06/15/2005	196	339	275	84	Mortandad Canyon	Intermediate Perched	MCOI-6	686.0	11/08/2021	REG	F	INIT	Metals	Strontium	Sr	259	0.9	LANL Int BG LVL	59.6	4.3	1.00	µg/L	1.00		NQ	NQ		SW-846:6010D	GELC	
C4	64	85	06/15/2005	34.7	77.6	57.2	85	Mortandad Canyon	Intermediate Perched	MCOI-6	686.0	11/08/2021	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	47.3	0.8	LANL Int BG LVL	7.1	6.7	1.33	mg/L	10.0		NQ	NQ		EPA:300.0	GELC	
C4	89	107	05/17/2005	2.27	7.43	5.45	107	Sandia Canyon	Regional Top	R-11	855.0	11/02/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	6.21	1.1	LANL Reg BG LVL	0.769	8.1	0.170	mg/L	10.0		NQ	NQ		EPA:353.2	GELC	
C4	62	75	02/24/2000	1.35	3.31	2.12	75	Mortandad Canyon	Regional Top	R-15	958.6	11/15/2021	FD	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.04	1.0	LANL Reg BG LVL	0.769	2.7	0.0850	mg/L	5.00		NQ	NQ		EPA:353.2	GELC	
C4	62	75	02/24/2000	1.35	3.31	2.12	75	Mortandad Canyon	Regional Top	R-15	958.6	11/15/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.05	1.0	LANL Reg BG LVL	0.769	2.7	0.0850	mg/L	5.00		NQ	NQ		EPA:353.2	GELC	
C4	53	63	02/28/2007	5.34	12.3	8.42	63	Mortandad Canyon	Regional Top	R-15	958.6	11/15/2021	FD	F	INIT	LCMS/MS	Perchlorate	ClO4	9.68	1.1	LANL Reg BG LVL	0.414	23.4	0.250	µg/L	5.00		NQ	NQ		SW-846:6850	GELC	
C4	53	63	02/28/2007	5.34	12.3	8.42	63	Mortandad Canyon	Regional Top	R-15	958.6	11/15/2021	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	9.97	1.2	LANL Reg BG LVL	0.414	24.1	0.250	µg/L	5.00		NQ	NQ		SW-846:6850	GELC	
C4	77	88	08/30/2007	68	408	347	88	Sandia Canyon	Regional Deep	R-35a	1013.1	11/22/2021	REG	F	INIT	Metals	Barium	Ba	359	1.0	LANL Reg BG LVL	38.1	9.4	1.00	µg/L	1.00		NQ	NQ		SW-846:6010D	GELC	

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Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth	Start Date	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Analy 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	Analy Meth Code	Lab Code	Comment
C4	76	88	08/30/2007	5.97	7.31	6.56	88	Sandia Canyon	Regional Deep	R-35a	1013.1	11/22/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	6.46	1.0	LANL Reg BG LVL	2.7	2.4	0.0670	mg/L	1.00		J+	I6b	EPA:300.0	GELC	
C4	77	88	08/30/2007	1.2	22.2	8.04	87	Sandia Canyon	Regional Deep	R-35a	1013.1	11/22/2021	REG	F	INIT	Metals	Nickel	Ni	9.83	1.2	LANL Reg BG LVL	2.9	3.4	0.600	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	
C4	50	57	03/12/2008	4.05	6.83	6.1	57	Sandia Canyon	Regional Top	R-36	766.9	11/19/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	6.30	1.0	LANL Reg BG LVL	2.7	2.3	0.0670	mg/L	1.00		J+	I4g	EPA:300.0	GELC	
C4	50	58	03/12/2008	1.25	6.8	2.42	58	Sandia Canyon	Regional Top	R-36	766.9	11/19/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.54	1.0	LANL Reg BG LVL	0.769	3.3	0.0850	mg/L	5.00		NQ	NQ	EPA:353.2	GELC	
C4	49	56	03/12/2008	0.845	1.74	1.51	56	Sandia Canyon	Regional Top	R-36	766.9	11/19/2021	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	1.32	0.9	LANL Reg BG LVL	0.414	3.2	0.0500	µg/L	1.00		NQ	NQ	SW-846:6850	GELC	
C4	51	60	11/05/2008	3.6	9.39	7.975	60	Sandia Canyon	Regional Top	R-43 S1	903.9	11/18/2021	FD	F	INIT	Geninorg	Chloride	Cl(-1)	7.91	1.0	LANL Reg BG LVL	2.7	2.9	0.0670	mg/L	1.00		NQ	NQ	EPA:300.0	GELC	
C4	51	60	11/05/2008	3.6	9.39	7.975	60	Sandia Canyon	Regional Top	R-43 S1	903.9	11/18/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	7.97	1.0	LANL Reg BG LVL	2.7	3	0.0670	mg/L	1.00		NQ	NQ	EPA:300.0	GELC	
C4	51	65	11/05/2008	2.35	223	130.5	62	Sandia Canyon	Regional Top	R-43 S1	903.9	11/18/2021	FD	F	INIT	Metals	Chromium	Cr	196	1.5	LANL Reg BG LVL	7.48	26.2	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	
C4	51	65	11/05/2008	2.35	223	130.5	62	Sandia Canyon	Regional Top	R-43 S1	903.9	11/18/2021	REG	F	INIT	Metals	Chromium	Cr	199	1.5	LANL Reg BG LVL	7.48	26.6	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	
C4	51	59	11/05/2008	4.67	6.15	5.35	58	Sandia Canyon	Regional Top	R-43 S1	903.9	11/18/2021	FD	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.15	1.0	LANL Reg BG LVL	0.769	6.7	0.170	mg/L	10.0		NQ	NQ	EPA:353.2	GELC	
C4	51	59	11/05/2008	4.67	6.15	5.35	58	Sandia Canyon	Regional Top	R-43 S1	903.9	11/18/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.18	1.0	LANL Reg BG LVL	0.769	6.7	0.170	mg/L	10.0		NQ	NQ	EPA:353.2	GELC	
C4	51	60	11/05/2008	8.77	21	16.35	60	Sandia Canyon	Regional Top	R-43 S1	903.9	11/18/2021	FD	F	INIT	Geninorg	Sulfate	SO4(-2)	17.5	1.1	LANL Reg BG LVL	4.59	3.8	0.133	mg/L	1.00		NQ	NQ	EPA:300.0	GELC	
C4	51	60	11/05/2008	8.77	21	16.35	60	Sandia Canyon	Regional Top	R-43 S1	903.9	11/18/2021	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	17.5	1.1	LANL Reg BG LVL	4.59	3.8	0.133	mg/L	1.00		NQ	NQ	EPA:300.0	GELC	
C4	50	55	11/10/2008	3.37	8.66	4.95	55	Sandia Canyon	Regional Deep	R-43 S2	969.1	11/02/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	6.80	1.4	LANL Reg BG LVL	2.7	2.5	0.0670	mg/L	1.00		NQ	NQ	EPA:300.0	GELC	
C4	50	60	11/10/2008	1.8	49.1	9.495	50	Sandia Canyon	Regional Deep	R-43 S2	969.1	11/02/2021	REG	F	INIT	Metals	Chromium	Cr	35.3	3.7	LANL Reg BG LVL	7.48	4.7	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	
C4	50	54	11/10/2008	0.389	5.4	3.28	54	Sandia Canyon	Regional Deep	R-43 S2	969.1	11/02/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	4.15	1.3	LANL Reg BG LVL	0.769	5.4	0.170	mg/L	10.0		NQ	NQ	EPA:353.2	GELC	
C4	50	55	11/10/2008	0.411	0.953	0.787	55	Sandia Canyon	Regional Deep	R-43 S2	969.1	11/02/2021	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	0.890	1.1	LANL Reg BG LVL	0.414	2.1	0.0500	µg/L	1.00		NQ	NQ	SW-846:6850	GELC	
C4	50	55	11/10/2008	3.96	11.5	7.59	55	Sandia Canyon	Regional Deep	R-43 S2	969.1	11/02/2021	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	9.99	1.3	LANL Reg BG LVL	4.59	2.2	0.133	mg/L	1.00		NQ	NQ	EPA:300.0	GELC	
C4	79	83	02/17/2009	1.99	21	2.7	83	Mortandad Canyon	Regional Top	R-44 S1	895.0	11/16/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	20.4	7.6	LANL Reg BG LVL	2.7	7.6	0.335	mg/L	5.00		J-	I6a	EPA:300.0	GELC	
C4	79	83	02/17/2009	0.536	109	28.5	56	Mortandad Canyon	Regional Top	R-44 S1	895.0	11/16/2021	REG	F	INIT	Metals	Nickel	Ni	43.8	1.5	LANL Reg BG LVL	2.9	15.1	0.600	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	
C4	79	83	02/17/2009	0.123	3.86	1.285	82	Mortandad Canyon	Regional Top	R-44 S1	895.0	11/16/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.88	2.2	LANL Reg BG LVL	0.769	3.7	0.0850	mg/L	5.00		NQ	NQ	EPA:353.2	GELC	
C4	79	83	02/17/2009	2.76	21.1	4.52	83	Mortandad Canyon	Regional Top	R-44 S1	895.0	11/16/2021	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	20.7	4.6	LANL Reg BG LVL	4.59	4.5	0.665	mg/L	5.00		J+	I6b	EPA:300.0	GELC	

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C4	77	83	02/28/2009	3	19.6	5.3	83	Mortandad Canyon	Regional Top	R-45 S1	880.0	11/18/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	19.0	3.6	LANL Reg BG LVL	2.7	7	0.335	mg/L	5.00		J+	I4g	EPA:300.0	GELC	
C4	77	83	02/28/2009	0.535	8.31	1.145	68	Mortandad Canyon	Regional Top	R-45 S1	880.0	11/18/2021	REG	F	INIT	Metals	Nickel	Ni	7.53	6.6	LANL Reg BG LVL	2.9	2.6	0.600	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	
C4	77	83	02/28/2009	0.256	3.47	2.81	83	Mortandad Canyon	Regional Top	R-45 S1	880.0	11/18/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.02	1.1	LANL Reg BG LVL	0.769	3.9	0.0850	mg/L	5.00		NQ	NQ	EPA:353.2	GELC	
C4	77	83	02/28/2009	4.1	20	8.15	83	Mortandad Canyon	Regional Top	R-45 S1	880.0	11/18/2021	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	19.7	2.4	LANL Reg BG LVL	4.59	4.3	0.665	mg/L	5.00		NQ	NQ	EPA:300.0	GELC	
C4	76	81	03/05/2009	2.74	7.11	4.68	81	Mortandad Canyon	Regional Deep	R-45 S2	974.9	11/18/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	7.02	1.5	LANL Reg BG LVL	2.7	2.6	0.0670	mg/L	1.00		NQ	NQ	EPA:300.0	GELC	
C4	76	86	03/05/2009	6.1	62	27.8	85	Mortandad Canyon	Regional Deep	R-45 S2	974.9	11/18/2021	REG	F	INIT	Metals	Chromium	Cr	57.4	2.1	LANL Reg BG LVL	7.48	7.7	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	
C4	78	86	03/06/2010	4.68	21.9	9.8	86	Mortandad Canyon	Regional Top	R-50 S1	1077.0	11/12/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	21.7	2.2	LANL Reg BG LVL	2.7	8	0.335	mg/L	5.00		J-	I6a	EPA:300.0	GELC	
C4	79	87	03/06/2010	1.51	14.6	5.52	87	Mortandad Canyon	Regional Top	R-50 S1	1077.0	11/12/2021	REG	F	INIT	Metals	Nickel	Ni	8.93	1.6	LANL Reg BG LVL	2.9	3.1	0.600	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	
C4	79	88	03/06/2010	0.398	3.01	2.1	88	Mortandad Canyon	Regional Top	R-50 S1	1077.0	11/12/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.99	1.4	LANL Reg BG LVL	0.769	3.9	0.0850	mg/L	5.00		NQ	NQ	EPA:353.2	GELC	
C4	78	86	03/06/2010	7.22	21.1	14.5	86	Mortandad Canyon	Regional Top	R-50 S1	1077.0	11/12/2021	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	21.1	1.5	LANL Reg BG LVL	4.59	4.6	0.665	mg/L	5.00		J+	I6b	EPA:300.0	GELC	
C4	63	72	05/20/2011	2.03	43.9	21.8	71	Mortandad Canyon	Regional Top	R-61 S1	1125.0	11/03/2021	REG	F	INIT	Metals	Chromium	Cr	35.8	1.6	LANL Reg BG LVL	7.48	4.8	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	
C4	63	72	05/20/2011	0.427	2.95	2.225	72	Mortandad Canyon	Regional Top	R-61 S1	1125.0	11/03/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.68	1.2	LANL Reg BG LVL	0.769	3.5	0.0850	mg/L	5.00		NQ	NQ	EPA:353.2	GELC	
C4	62	71	05/20/2011	2.96	16.2	12	71	Mortandad Canyon	Regional Top	R-61 S1	1125.0	11/03/2021	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	12.0	1.0	LANL Reg BG LVL	0.414	29	0.250	µg/L	5.00		NQ	NQ	SW-846:6850	GELC	
C4	35	42	03/26/2012	1.64	21.3	10.06	42	Sandia Canyon	Regional Top	R-62	1158.4	11/19/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	18.4	1.8	LANL Reg BG LVL	2.7	6.8	0.335	mg/L	5.00		J+	I4g	EPA:300.0	GELC	
C4	35	42	03/26/2012	104	346	197.5	42	Sandia Canyon	Regional Top	R-62	1158.4	11/19/2021	REG	F	INIT	Metals	Chromium	Cr	288	1.5	LANL Reg BG LVL	7.48	38.5	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	
C4	35	42	03/26/2012	0.0685	2.37	1.39	42	Sandia Canyon	Regional Top	R-62	1158.4	11/19/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.23	1.6	LANL Reg BG LVL	0.769	2.9	0.0850	mg/L	5.00		NQ	NQ	EPA:353.2	GELC	
C4	35	42	03/26/2012	0.719	0.937	0.8195	42	Sandia Canyon	Regional Top	R-62	1158.4	11/19/2021	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	0.931	1.1	LANL Reg BG LVL	0.414	2.2	0.0500	µg/L	1.00		NQ	NQ	SW-846:6850	GELC	
C4	35	42	03/26/2012	2.56	37.4	19.1	42	Sandia Canyon	Regional Top	R-62	1158.4	11/19/2021	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	33.2	1.7	LANL Reg BG LVL	4.59	7.2	0.665	mg/L	5.00		NQ	NQ	EPA:300.0	GELC	
C4	16	17	08/04/2020	2.39	2.92	2.55	17	Mortandad Canyon	Regional Top	R-70 S1	963.0	11/08/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.53	1.0	LANL Reg BG LVL	0.769	3.3	0.0850	mg/L	5.00		NQ	NQ	EPA:353.2	GELC	
C4	16	17	08/04/2020	14	19.3	16.8	17	Mortandad Canyon	Regional Deep	R-70 S2	1048.0	11/08/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	14.0	0.8	LANL Reg BG LVL	2.7	5.2	0.134	mg/L	2.00		NQ	NQ	EPA:300.0	GELC	
C4	16	17	08/04/2020	178	272	219	17	Mortandad Canyon	Regional Deep	R-70 S2	1048.0	11/08/2021	REG	F	INIT	Metals	Chromium	Cr	190	0.9	LANL Reg BG LVL	7.48	25.4	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	
C4	16	17	08/04/2020	3.49	4.06	3.75	17	Mortandad Canyon	Regional Deep	R-70 S2	1048.0	11/08/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.49	0.9	LANL Reg BG LVL	0.769	4.5	0.170	mg/L	10.0		NQ	NQ	EPA:353.2	GELC	

Table 1: NMED 12-21 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	Analy 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	Analy Meth Code	Lab Code	Comment	
C4	16	17	08/04/2020	22.8	32.6	30.1	17	Mortandad Canyon	Regional Deep	R-70 S2	1048.0	11/08/2021	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	22.8	0.8	LANL Reg BG LVL	4.59	5	0.266	mg/L	2.00		NQ	NQ		EPA:300.0	GELC	
C4	38	39	01/11/2007	47.1	87.6	68	39	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	F	INIT	Metals	Calcium	Ca	51	0.8	LANL Int BG LVL	10.7	4.8	0.05	mg/L	1.00		NQ	NQ		SW-846:6010D	GELC	
C4	40	43	01/11/2007	2.62	124	93.9	43	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	97.0	1.0	LANL Int BG LVL	3.11	31.2	1.34	mg/L	20.0		NQ	NQ		EPA:300.0	GELC	
C4	38	39	01/11/2007	148	270	212	39	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	F	INIT	Geninorg	Hardness	Hardness	159	0.8	LANL Int BG LVL	37.8	4.2	0.453	mg/L	1.00		NQ	NQ		SM:A2340B	GELC	
C4	38	39	01/11/2007	7.47	13	10.1	39	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	F	INIT	Metals	Magnesium	Mg	7.74	0.8	LANL Int BG LVL	3.14	2.5	0.11	mg/L	1.00		NQ	NQ		SW-846:6010D	GELC	
C4	38	39	01/11/2007	44.9	97	72	39	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	F	INIT	Metals	Molybdenum	Mo	57.2	0.8	LANL Int BG LVL	2.9	19.7	0.200	µg/L	1.00		NQ	NQ		SW-846:6020B	GELC	
C4	40	43	01/11/2007	0.247	4.99	2.1	43	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.60	0.8	LANL Int BG LVL	0.459	3.5	0.0850	mg/L	5.00		NQ	NQ		EPA:353.2	GELC	
C4	39	41	04/11/2007	0.595	1.58	0.89	41	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	0.605	0.7	LANL Int BG LVL	0.27	2.2	0.0500	µg/L	1.00		NQ	NQ		SW-846:6850	GELC	
C4	38	39	01/11/2007	50.7	68.6	57.8	39	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	F	INIT	Metals	Sodium	Na	68.6	1.2	LANL Int BG LVL	18.2	3.8	0.1	mg/L	1.00		NQ	NQ		SW-846:6010D	GELC	
C4	38	39	01/11/2007	211	383	303	39	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	F	INIT	Metals	Strontium	Sr	229	0.8	LANL Int BG LVL	59.6	3.8	1.00	µg/L	1.00		NQ	NQ		SW-846:6010D	GELC	
C4	40	42	01/11/2007	13.8	112	79	42	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	51.6	0.7	LANL Int BG LVL	7.1	7.3	2.66	mg/L	20.0		NQ	NQ		EPA:300.0	GELC	
C4	51	65	10/21/2008	56.1	84.1	69.2	65	Sandia Canyon	Intermediate Perched	SCI-2	548.0	11/03/2021	REG	F	INIT	Metals	Barium	Ba	80.0	1.2	LANL Int BG LVL	13.5	5.9	1.00	µg/L	1.00		NQ	NQ		SW-846:6010D	GELC	
C4	51	65	10/21/2008	59.5	76.3	68.3	65	Sandia Canyon	Intermediate Perched	SCI-2	548.0	11/03/2021	REG	F	INIT	Metals	Calcium	Ca	73.7	1.1	LANL Int BG LVL	10.7	6.9	0.05	mg/L	1.00		NQ	NQ		SW-846:6010D	GELC	
C4	51	63	10/21/2008	53.4	93	68.3	63	Sandia Canyon	Intermediate Perched	SCI-2	548.0	11/03/2021	REG	F	INIT	Geninorg	Chloride	Cl(-1)	74.8	1.1	LANL Int BG LVL	3.11	24.1	1.34	mg/L	20.0		NQ	NQ		EPA:300.0	GELC	
C4	51	65	10/21/2008	204	263	236	64	Sandia Canyon	Intermediate Perched	SCI-2	548.0	11/03/2021	REG	F	INIT	Geninorg	Hardness	Hardness	256	1.1	LANL Int BG LVL	37.8	6.8	0.453	mg/L	1.00		NQ	NQ		SM:A2340B	GELC	
C4	50	63	10/21/2008	13.1	17.5	15.9	63	Sandia Canyon	Intermediate Perched	SCI-2	548.0	11/03/2021	REG	F	INIT	Metals	Magnesium	Mg	17.5	1.1	LANL Int BG LVL	3.14	5.6	0.11	mg/L	1.00		NQ	NQ		SW-846:6010D	GELC	
C4	51	65	10/21/2008	13.6	19.6	16.5	65	Sandia Canyon	Intermediate Perched	SCI-2	548.0	11/03/2021	REG	F	INIT	Metals	Nickel	Ni	14.9	0.9	LANL Int BG LVL	3.65	4.1	0.600	µg/L	1.00		NQ	NQ		SW-846:6020B	GELC	
C4	51	63	10/21/2008	2.89	5.1	4.08	63	Sandia Canyon	Intermediate Perched	SCI-2	548.0	11/03/2021	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.54	0.9	LANL Int BG LVL	0.459	7.7	0.0850	mg/L	5.00		NQ	NQ		EPA:353.2	GELC	
C4	51	63	10/21/2008	0.83	1.12	0.944	63	Sandia Canyon	Intermediate Perched	SCI-2	548.0	11/03/2021	REG	F	INIT	LCMS/MS	Perchlorate	ClO4	0.840	0.9	LANL Int BG LVL	0.27	3.1	0.0500	µg/L	1.00		NQ	NQ		SW-846:6850	GELC	
C4	51	65	10/21/2008	264	369	329	65	Sandia Canyon	Intermediate Perched	SCI-2	548.0	11/03/2021	REG	F	INIT	Metals	Strontium	Sr	359	1.1	LANL Int BG LVL	59.6	6	1.00	µg/L	1.00		NQ	NQ		SW-846:6010D	GELC	
C4	51	63	10/21/2008	77.9	103	88.7	63	Sandia Canyon	Intermediate Perched	SCI-2	548.0	11/03/2021	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	81.4	0.9	LANL Int BG LVL	7.1	11.5	2.66	mg/L	20.0		NQ	NQ		EPA:300.0	GELC	
C4	51	65	10/21/2008	1.2	2.77	1.86	65	Sandia Canyon	Intermediate Perched	SCI-2	548.0	11/03/2021	REG	F	INIT	Metals	Uranium	U	2.77	1.5	LANL Int BG LVL	0.992	2.8	0.0670	µg/L	1.00		J+	I4a		SW-846:6020B	GELC	

Table 1: NMED 12-21 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth	Start Date	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Analy 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	Analy Meth Code	Lab Code	Comment
C5	60	76	02/26/2007	56.3	190	80.3	76	Mortandad Canyon	Intermediate Perched	MCOI-6	686.0	11/08/2021	REG	F	INIT	LCMS/MS	Perchlorate	CIO4	102	1.3	NMED A1 TAP SCRN LVL	13.8	7.4	1.00	µg/L	20.0		NQ	NQ	SW-846:6850	GELC	
CA	1	1	11/04/2021	72.5	72.5	72.5	1	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	11/04/2021	REG	F	INIT	Metals	Chromium	Cr	72.5	1.0	NM GW STD	50	1.4	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)
CA	1	1	11/10/2021	239	239	239	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Metals	Chromium	Cr	239	1.0	NM GW STD	50	4.8	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)
CA	1	1	11/09/2021	300	300	300	1	Mortandad Canyon	Regional Top	CRPZ-3	939.4	11/09/2021	REG	F	INIT	Metals	Chromium	Cr	300	1.0	NM GW STD	50	6	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)
CA	1	1	11/10/2021	92.5	92.5	92.5	1	Mortandad Canyon	Regional Deep	CRPZ-4	957.0	11/10/2021	REG	F	INIT	Metals	Chromium	Cr	92.5	1.0	NM GW STD	50	1.9	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)
CA	1	1	11/22/2021	411	411	411	1	Mortandad Canyon	Regional Deep	CRPZ-5	976.0	11/22/2021	REG	F	INIT	Metals	Chromium	Cr	411	1.0	NM GW STD	50	8.2	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	Result consistent with previous historical data (See Notes)

Notes: Regional aquifer piezometers in the Chromium Investigation monitoring group area were recently incorporated to be sampled as part of the Interim Facility-Wide Groundwater Monitoring Plan for the 2022 Monitoring Year (See section 3.3 of the MY 2022 IFGMP). This result was from the first sampling under this plan and therefore now qualifies for reporting under the Monthly Notification of Groundwater Data mechanism. Previous sampling of the piezometers provided screening level results and those values or trends generally conform with this reported result.

Table 2: NMED 12-21 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	Analy 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	Analy Meth Code	Lab Code	Comment
XC2scr	1	1	11/04/2021	15.4	15.4	15.4	1	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	11/04/2021	REG	F	INIT	Metals	Calcium	Ca	15.4	1	Reg-Scr_95	14.5	1.1	0.05	mg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
XC2scr	1	1	11/04/2021	59.8	59.8	59.8	1	Mortandad Canyon	Regional Top	CRPZ-1	1122.9	11/04/2021	REG	F	INIT	Geninorg	Hardness	Hardness	59.8	1	Reg-Scr_95	51	1.2	0.453	mg/L	1.00		NQ	NQ	SM:A2340B	GELC	Result consistent with previous historical data (See Notes)
XC2scr	1	1	11/10/2021	28.4	28.4	28.4	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Metals	Boron	B	28.4	1	Reg-Scr_95	18.7	1.5	15.0	µg/L	1.00	J	J	J_LAB	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
XC2scr	1	1	11/10/2021	0.392	0.392	0.392	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Geninorg	Bromide	Br(-1)	0.392	1	Reg-Scr_95	0.067	5.9	0.0670	mg/L	1.00		J+	I6b	EPA:300.0	GELC	Result consistent with previous historical data (See Notes)
XC2scr	1	1	11/10/2021	0.00387	0.00387	0.00387	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	UF	INIT	Inorganic	Cyanide (Total)	CN(TOTAL)	0.00387	1	Reg-Scr_95	0.0017	2.3	0.00167	mg/L	1.00	J	J	J_LAB	EPA:335.4	GELC	First-time analysis
XC2scr	1	1	11/10/2021	12.6	12.6	12.6	1	Mortandad Canyon	Regional Top	CrPZ-2a	909.8	11/10/2021	REG	F	INIT	Metals	Manganese	Mn	12.6	1	Reg-Scr_95	12.1	1	2.00	µg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
XC2scr	1	1	11/09/2021	19.2	19.2	19.2	1	Mortandad Canyon	Regional Top	CRPZ-3	939.4	11/09/2021	REG	F	INIT	Metals	Boron	B	19.2	1	Reg-Scr_95	18.7	1	15.0	µg/L	1.00	J	J	J_LAB	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
XC2scr	1	1	11/09/2021	0.0998	0.0998	0.0998	1	Mortandad Canyon	Regional Top	CRPZ-3	939.4	11/09/2021	REG	F	INIT	Geninorg	Bromide	Br(-1)	0.0998	1	Reg-Scr_95	0.067	1.5	0.0670	mg/L	1.00	J	J	J_LAB	EPA:300.0	GELC	Result consistent with previous historical data (See Notes)
XC2scr	1	1	11/09/2021	112	112	112	1	Mortandad Canyon	Regional Top	CRPZ-3	939.4	11/09/2021	REG	F	INIT	Metals	Strontium	Sr	112	1	Reg-Scr_95	74.4	1.5	1.00	µg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
XC2scr	1	1	11/10/2021	101	101	101	1	Mortandad Canyon	Regional Deep	CRPZ-4	957.0	11/10/2021	REG	F	INIT	Metals	Strontium	Sr	101	1	Reg-Scr_95	74.4	1.4	1.00	µg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
XC2scr	1	1	11/22/2021	0.122	0.122	0.122	1	Mortandad Canyon	Regional Deep	CRPZ-5	976.0	11/22/2021	REG	F	INIT	Geninorg	Bromide	Br(-1)	0.122	1	Reg-Scr_95	0.067	1.8	0.0670	mg/L	1.00	J	J	J_LAB	EPA:300.0	GELC	Result consistent with previous historical data (See Notes)
XC2scr	1	1	11/22/2021	104	104	104	1	Mortandad Canyon	Regional Deep	CRPZ-5	976.0	11/22/2021	REG	F	INIT	Metals	Strontium	Sr	104	1	Reg-Scr_95	74.4	1.4	1.00	µg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
XC2scr	1	1	11/22/2021	61.6	61.6	61.6	1	Mortandad Canyon	Regional Deep	CRPZ-5	976.0	11/22/2021	REG	F	INIT	Metals	Zinc	Zn	61.6	1	Reg-Scr_95	14.4	4.3	3.30	µg/L	1.00		NQ	NQ	SW-846:6010D	GELC	Result consistent with previous historical data (See Notes)
XC2scr	51	61	11/05/2008	1.01	1.01	1.01	1	Sandia Canyon	Regional Top	R-43 S1	903.9	11/18/2021	REG	F	INIT	Metals	Cobalt	Co	1.01	1	Reg-Scr_95	1	1	1.00	µg/L	1.00	J	J	J_LAB	SW-846:6010D	GELC	
XC4scr	64	85	06/15/2005	25.4	64.6	47.85	84	Mortandad Canyon	Intermediate Perched	MCOI-6	686.0	11/08/2021	REG	F	INIT	Metals	Boron	B	50.5	1.1	Int-Scr_95	16.2	3.1	15.0	µg/L	1.00		NQ	NQ	SW-846:6010D	GELC	
XC4scr	64	84	06/15/2005	0.212	0.703	0.56	81	Mortandad Canyon	Intermediate Perched	MCOI-6	686.0	11/08/2021	REG	F	INIT	Geninorg	Bromide	Br(-1)	0.375	0.7	Int-Scr_95	0.0716	5.2	0.0670	mg/L	1.00		NQ	NQ	EPA:300.0	GELC	
XC4scr	64	88	06/15/2005	29.4	86.6	60.35	88	Mortandad Canyon	Intermediate Perched	MCOI-6	686.0	11/08/2021	REG	F	INIT	Metals	Chromium	Cr	56.4	0.9	Int-Scr_95	2.72	21	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	

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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	Analy 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	Analy Meth Code	Lab Code	Comment
XC4scr	64	85	06/15/2005	3.81	26.1	8.75	83	Mortandad Canyon	Intermediate Perched	MCOI-6	686.0	11/08/2021	REG	F	INIT	Metals	Copper	Cu	9.70	1.1	Int-Scr_95	3	3.2	3.00	µg/L	1.00	J	J	J_LAB	SW-846:6010D	GELC	
XC4scr	65	85	06/15/2005	298	527	401	85	Mortandad Canyon	Intermediate Perched	MCOI-6	686.0	11/08/2021	REG	F	INIT	Geninorg	Total Dissolved Solids	TDS	420	1	Int-Scr_95	135	3.1	3.40	mg/L	1.00		NQ	NQ	EPA:160.1	GELC	
XC4scr	77	88	08/30/2007	20.6	54.5	39.75	82	Sandia Canyon	Regional Deep	R-35a	1013.1	11/22/2021	REG	F	INIT	Metals	Boron	B	41.0	1	Reg-Scr_95	18.7	2.2	15.0	µg/L	1.00	J	J	J_LAB	SW-846:6010D	GELC	
XC4scr	77	88	08/30/2007	137	199	167.5	88	Sandia Canyon	Regional Deep	R-35a	1013.1	11/22/2021	REG	F	INIT	Metals	Strontium	Sr	181	1.1	Reg-Scr_95	74.4	2.4	1.00	µg/L	1.00		NQ	NQ	SW-846:6010D	GELC	
XC4scr	77	83	02/28/2009	0.0667	0.637	0.0866	42	Mortandad Canyon	Regional Top	R-45 S1	880.0	11/18/2021	REG	F	INIT	Geninorg	Bromide	Br(-1)	0.224	2.6	Reg-Scr_95	0.067	3.3	0.0670	mg/L	1.00		NQ	NQ	EPA:300.0	GELC	
XC4scr	63	72	05/20/2011	0.0531	11.8	0.4295	68	Mortandad Canyon	Regional Top	R-61 S1	1125.0	11/03/2021	REG	F	INIT	Geninorg	Total Phosphate as Phosphorus	PO4-P	0.204	0.5	Reg-Scr_95	0.0822	2.5	0.0200	mg/L	1.00		J+	I4g,I4a	EPA:365.4	GELC	
XC4scr	35	42	03/26/2012	0.0706	0.248	0.121	37	Sandia Canyon	Regional Top	R-62	1158.4	11/19/2021	REG	F	INIT	Geninorg	Bromide	Br(-1)	0.248	2	Reg-Scr_95	0.067	3.7	0.0670	mg/L	1.00		NQ	NQ	EPA:300.0	GELC	
XC4scr	38	39	01/11/2007	26.9	51.3	36.5	39	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	F	INIT	Metals	Barium	Ba	26.9	0.7	Int-Scr_95	11.96	2.2	1.00	µg/L	1.00		NQ	NQ	SW-846:6010D	GELC	
XC4scr	38	39	01/11/2007	40.8	99.4	82.6	38	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	F	INIT	Metals	Boron	B	82.0	1	Int-Scr_95	16.2	5.1	15.0	µg/L	1.00		NQ	NQ	SW-846:6010D	GELC	
XC4scr	38	39	01/11/2007	0.514	1.53	0.926	37	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	F	INIT	Geninorg	Bromide	Br(-1)	0.514	0.6	Int-Scr_95	0.0716	7.2	0.0670	mg/L	1.00		NQ	NQ	EPA:300.0	GELC	
XC4scr	38	41	01/11/2007	6.99	22.1	11.65	40	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	F	INIT	Metals	Chromium	Cr	8.21	0.7	Int-Scr_95	2.72	3	3.00	µg/L	1.00	J	J	J_LAB	SW-846:6020B	GELC	
XC4scr	38	39	01/11/2007	2.96	8.1	5.34	38	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	F	INIT	Metals	Nickel	Ni	6.90	1.3	Int-Scr_95	2.93	2.4	0.600	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	
XC4scr	39	42	01/11/2007	357	536	477.5	42	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	F	INIT	Geninorg	Total Dissolved Solids	TDS	399	0.8	Int-Scr_95	135	3	3.40	mg/L	1.00		NQ	NQ	EPA:160.1	GELC	
XC4scr	38	39	01/11/2007	0.404	1.57	0.91	38	Sandia Canyon	Intermediate Perched	SCI-1	358.4	11/09/2021	REG	F	INIT	Geninorg	Total Phosphate as Phosphorus	PO4-P	1.57	1.7	Int-Scr_95	0.178	8.8	0.0200	mg/L	1.00		J+	I4a	EPA:365.4	GELC	
XC4scr	51	63	10/21/2008	0.194	0.956	0.641	62	Sandia Canyon	Intermediate Perched	SCI-2	548.0	11/03/2021	REG	F	INIT	Geninorg	Bromide	Br(-1)	0.748	1.2	Int-Scr_95	0.0716	10	0.0670	mg/L	1.00		NQ	NQ	EPA:300.0	GELC	
XC4scr	51	70	10/21/2008	234	658	433	70	Sandia Canyon	Intermediate Perched	SCI-2	548.0	11/03/2021	REG	F	INIT	Metals	Chromium	Cr	235	0.5	Int-Scr_95	2.72	86	3.00	µg/L	1.00		NQ	NQ	SW-846:6020B	GELC	
XC4scr	36	42	08/04/2009	0.00368	0.00983	0.006225	42	Sandia Canyon	Intermediate Perched	SCI-2	548.0	11/03/2021	REG	UF	INIT	Inorganic	Cyanide (Total)	CN(TOTAL)	0.00422	0.7	Int-Scr_95	0.0017	2.5	0.00167	mg/L	1.00	J	J	J_LAB	EPA:335.4	GELC	
XC4scr	51	64	10/21/2008	354	796	429.5	64	Sandia Canyon	Intermediate Perched	SCI-2	548.0	11/03/2021	REG	F	INIT	Geninorg	Total Dissolved Solids	TDS	459	1.1	Int-Scr_95	135	3.4	3.40	mg/L	1.00		NQ	NQ	EPA:160.1	GELC	

Notes: Regional aquifer piezometers in the Chromium Investigation monitoring group area were recently incorporated to be sampled as part of the Interim Facility-Wide Groundwater Monitoring Plan for the 2022 Monitoring Year (See section 3.3 of the MY 2022 IFGMP). This result was from the first sampling under this plan and therefore now qualifies for reporting under the Monthly Notification of Groundwater Data mechanism. Previous sampling of the piezometers provided screening level results and those values or trends generally conform with this reported result.