



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

EMLA-2020-1633-02-001

September 29, 2020

Mr. Kevin Pierard
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 September 2020

Dear Mr. Pierard:

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 September 14, 2020, to review groundwater data loaded or released in the Environmental Information Management System (EIM) in August 2020. 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." For comparison with EPA tap water standards, the standard's carcinogenic risk value was adjusted to 1×10^{-5} , as specified in the Consent Order.

The enclosed report was prepared using the May 2020 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 eight instances of a contaminant detected at a concentration that exceeded the NMWQCC groundwater standard or EPA MCL at locations where contaminants have not previously been detected above the respective standard as defined in the Consent Order (based on samples collected since June 14, 2007).

In accordance with the notification provisions of the 2016 Consent Order, NMED was notified by phone on September 15, 2020, and an email was sent the same day.

Two filtered samples collected on August 4, 2020, from regional well R-70 screen 2 were measured at 268- $\mu\text{g/L}$ (regular sample) and 272- $\mu\text{g/L}$ (field duplicate sample) for chromium, above the 50- $\mu\text{g/L}$

NMWQCC groundwater standard. These results correspond with screening level results that were reported in a previous monthly notification (July 2019, EM2019-0275).

An unfiltered sample collected on July 20, 2020, from intermediate well R-26 piezometer 2 was measured at 8.29 µg/L for bis(2-ethylhexyl)phthalate, above the 6-µg/L EPA MCL.

An unfiltered sample collected on July 27, 2020, from intermediate perched well CdV-16-2(i)r was measured at 0.0052 µg/L for nitrosodimethylamine[N-], above the 0.00491-µg/L NMED tap water screening level specified in the June 2019 Table A-1 of “Risk Assessment Guidance for Site Investigations and Remediation.”

An unfiltered sample collected on July 27, 2020, from intermediate perched well CdV-16-4ip screen 1 resulted in the measurement of two contaminants that exceeded corresponding NMWQCC groundwater standards. Nitrosodiethylamine[N-] was measured at 0.00197-µg/L, above the 0.00167-µg/L NMED tap water screening level. Nitrosodimethylamine[N-] was measured at 0.00838-µg/L, above the 0.00491-µg/L NMED tap water screening level specified in the June 2019 Table A-1 of “Risk Assessment Guidance for Site Investigations and Remediation.”

An unfiltered sample collected on July 21, 2020, from intermediate perched well CdV-9-1(i) screen 1 was measured at 0.00199 µg/L for nitrosodiethylamine[N-], above the 0.00167-µg/L NMED tap water screening level specified in the June 2019 Table A-1 of “Risk Assessment Guidance for Site Investigations and Remediation.”

An unfiltered sample collected on July 23, 2020, from intermediate spring Martin Spring was measured at 0.00858 µg/L for nitrosodimethylamine[N-], above the 0.00491-µg/L NMED tap water screening level specified in the June 2019 Table A-1 of “Risk Assessment Guidance for Site Investigations and Remediation.”

15-Day Notification

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

If you have questions, please contact Steve Veenis at (505) 309-1362 (steve.veen@em-la.doe.gov) or Hai Shen at (505) 257-7943 (hai.shen@em.doe.gov).

Sincerely,

Arturo Duran

Digitally signed by Arturo
Duran
Date: 2020.09.24 10:50:05
-06'00'

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

Enclosures:

1. Summary of Groundwater Data Reviewed in September 2020 That Meet Notification Requirements (EM2020-0496)

CC (letter with CD/DVD enclosure[s]):

Harry Burgess, 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

Chris Catechis, NMED-DOE-OB

Steve Yanicak, NMED-DOE-OB

Michelle Hunter, NMED-SWQB

Steve Pullen, NMED-SWQB

Andrew C. Romero, NMED-SWQB

Melanie Sandoval, NMED-SWQB

Jocelyn Buckley, LANL

Leslie Dale, LANL

Brian Iacona, LANL

William Mairson, LANL

Jacob Meadows, LANL

Enrique Torres, LANL

William Alexander, N3B

Emily Day, N3B

Mei Ding, N3B

Zoe Duran, N3B

Jeff Holland, N3B

Danny Katzman, N3B

Kim Lebak, N3B

Joseph Legare, N3B

Dana Lindsay, N3B

Pamela Maestas, N3B

Glenn Morgan, N3B

Joseph Murdock, N3B

Bruce Robinson, N3B

Steve Veenis, N3B

Brinson Willis, N3B

Karen Armijo, NA-LA

Pete Maggiore, NA-LA

M. Lee Bishop, EM-LA

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Pamela T. Maestas

From: Martinez, Cynthia, NMENV <cynthia.martinez1@state.nm.us>
Sent: Tuesday, September 29, 2020 9:46 AM
To: Pamela T. Maestas
Subject: RE: Submittal to NMED on 9/29/2020 of Monthly GW Data Review for September

Received.

From: Pamela T. Maestas <pamela.maestas@em-la.doe.gov>
Sent: Tuesday, September 29, 2020 8:54 AM
To: Pierard, Kevin, NMENV <Kevin.Pierard@state.nm.us>
Cc: Dhawan, Neelam, NMENV <neelam.dhawan@state.nm.us>; Emily M. Day <Emily.Day@em-la.doe.gov>; Regulatory Documentation <RegDocs@EM-LA.DOE.GOV>; Martinez, Cynthia, NMENV <cynthia.martinez1@state.nm.us>; cheryl.rodriguez@em.doe.gov; Brinson Willis <Brinson.Willis@em-la.doe.gov>; Danny Katzman <danny.katzman@em-la.doe.gov>
Subject: [EXT] Submittal to NMED on 9/29/2020 of Monthly GW Data Review for September

Mr. Pierard,

Attached for submittal is a pdf of the following:

- Monthly Notification of Groundwater Data Reviewed in September 2020 (EMLA-2020-1633-02-001, letter and enclosure)

Please acknowledge receipt of this submittal by responding to this email.

Let me know if you have any questions.

Thank you.

Pamela T. Maestas

Regulatory Documentation Manager

Newport News Nuclear BWXT-Los Alamos, LLC

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1200 Trinity Drive, Suite 150
Los Alamos, NM 87544

SUMMARY OF GROUNDWATER DATA REVIEWED IN SEPTEMBER 2020 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 2020 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 08-2020 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 08-2020 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 to identify 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
- 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." For comparison with EPA tap water standards, the standard's carcinogenic risk value was adjusted to 1×10^{-5} , as specified in the 2016 Consent Order. This report was prepared using the May 2020 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)

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

Analyte Desc—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

Anyl 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

HRMS—high-resolution 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

MDL—method detection limit

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

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—perfluorohexane sulfonic acid

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-trinitroxylylene

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—General Engineering Laboratories, Inc., Charleston, SC

GENINORG—general inorganic

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

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

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.

I6b ((validation reason code)—The associated matrix spike recovery was above the UAL. Follow the external laboratory limits located within the associated data package.

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

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.

PE12e (validation reason code)—The MS/MSD percent recovery was >10% but <75%.

RE—reanalysis

REG—regular sample

SwRI—Southwest Research Institute

UF—unfiltered

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 8-20 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	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std MDL	Std UOM	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
C1	1	1	7/25/2020	2.18	2.18	2.18	1	Water Canyon	Alluvial	CDV-16-02656	3	7/25/2020	REG	UF	INIT	PFAS	Perfluorooctanoic acid	335-67-1	2.18	1	NMED A1 TAP SCRNLVL	70	0	0.759	ng/L	1		NQ	NQ	EPA:537M	GELC	First sampling for PFAS
C1	1	1	7/25/2020	1.44	1.44	1.44	1	Water Canyon	Alluvial	CDV-16-611937	3	7/25/2020	REG	UF	INIT	Low-level 1,4-dioxane	Dioxane[1,4-]	123-91-1	1.44	1	NMED A1 TAP SCRNLVL	4.59	0.3	0.1	µg/L	1		NQ	NQ	SW-846:8270E_SIM	GELC	First measurement result using low MDL = 0.1 µg/L method
C1	1	1	7/25/2020	0.0002	0.0002	0.0002	1	Water Canyon	Alluvial	CDV-16-611937	3	7/25/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.0002	1	NMED A1 TAP SCRNLVL	0.00167	0.1	0.00018	µg/L	1	J	J	J_LAB	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00018 µg/L method
C1	1	1	7/25/2020	0.00072	0.000715	0.00072	1	Water Canyon	Alluvial	CDV-16-611937	3	7/25/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00072	1	NMED A1 TAP SCRNLVL	0.00491	0.1	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00036 µg/L method
C1	1	1	7/25/2020	8.5	8.5	8.5	1	Water Canyon	Alluvial	CDV-16-611937	3	7/25/2020	REG	UF	INIT	PFAS	Perfluorooctanoic acid	335-67-1	8.50	1	NMED A1 TAP SCRNLVL	70	0.1	0.741	ng/L	1		NQ	NQ	EPA:537M	GELC	First sampling for PFAS
C1	1	1	7/21/2020	1.42	1.42	1.42	1	Water Canyon	Alluvial Spring	16-61439	0	7/21/2020	REG	UF	INIT	Low-level 1,4-dioxane	Dioxane[1,4-]	123-91-1	1.42	1	NMED A1 TAP SCRNLVL	4.59	0.3	0.1	µg/L	1		NQ	NQ	SW-846:8270E_SIM	GELC	First measurement result using low MDL = 0.1 µg/L method
C1	1	1	7/21/2020	0.00054	0.000537	0.00054	1	Water Canyon	Alluvial Spring	16-61439	0	7/21/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.00054	1	NMED A1 TAP SCRNLVL	0.00167	0.3	0.00018	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00018 µg/L method
C1	1	1	7/21/2020	0.00159	0.00159	0.00159	1	Water Canyon	Alluvial Spring	16-61439	0	7/21/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosopyrrolidine[N-]	930-55-2	0.00159	1	NMED A1 TAP SCRNLVL	0.37	0	0.00033	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00033 µg/L method
C1	1	1	7/21/2020	0.72	0.72	0.72	1	Water Canyon	Alluvial Spring	16-61439	0	7/21/2020	REG	UF	INIT	PFAS	Perfluorooctanesulfonic acid	1763-23-1	0.72	1	NMED A1 TAP SCRNLVL	70	0	0.704	ng/L	1	J	J	J_LAB	EPA:537M	GELC	First sampling for PFAS
C1	1	1	7/21/2020	6.49	6.49	6.49	1	Water Canyon	Alluvial Spring	16-61439	0	7/21/2020	REG	UF	INIT	PFAS	Perfluorooctanoic acid	335-67-1	6.49	1	NMED A1 TAP SCRNLVL	70	0.1	0.704	ng/L	1		NQ	NQ	EPA:537M	GELC	First sampling for PFAS
C1	2	2	2/21/2018	8.29	8.29	8.29	1	Water Canyon	Intermediate	R-26 PZ-2	150	7/20/2020	REG	UF	INIT	SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	8.29	1	EPA MCL	6.00	1.4	0.33	µg/L	1		NQ	NQ	SW-846:8270D	GELC	
C1	2	2	2/21/2018	3	3	3	1	Water Canyon	Intermediate	R-26 PZ-2	150	7/20/2020	REG	UF	INIT	SVOC	Diethylphthalate	84-66-2	3.0	1	NMED A1 TAP SCRNLVL	14800	0	0.33	µg/L	1	J	J	J_LAB	SW-846:8270D	GELC	
C1	2	2	2/21/2018	0.561	0.561	0.561	1	Water Canyon	Intermediate	R-26 PZ-2	150	7/20/2020	REG	UF	INIT	SVOC	Dimethyl phthalate	131-11-3	0.561	1	NMED A1 TAP SCRNLVL	612	0	0.33	µg/L	1	J	J	J_LAB	SW-846:8270D	GELC	
C1	2	2	2/21/2018	0.517	0.517	0.517	1	Water Canyon	Intermediate	R-26 PZ-2	150	7/20/2020	REG	UF	INIT	SVOC	Di-n-butylphthalate	84-74-2	0.517	1	NMED A1 TAP SCRNLVL	885	0	0.33	µg/L	1	J	J	J_LAB	SW-846:8270D	GELC	
C1	1	1	7/20/2020	2.13	2.13	2.13	1	Water Canyon	Intermediate	R-26 PZ-2	150	7/20/2020	REG	UF	INIT	PFAS	Perfluorooctanoic acid	335-67-1	2.13	1	NMED A1 TAP SCRNLVL	70	0	0.709	ng/L	1		NQ	NQ	EPA:537M	GELC	First sampling for PFAS
C1	11	11	12/11/2009	6.2	6.2	6.2	1	Water Canyon	Intermediate	R-27i	619	7/29/2020	REG	UF	INIT	VOC	Acetone	67-64-1	6.2	1	NMED A1 TAP SCRNLVL	14100	0	1.5	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C1	1	1	7/22/2020	0.00018	0.000182	0.00018	1	Water Canyon	Intermediate Perched	16-26644	129	7/22/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.00018	1	NMED A1 TAP SCRNLVL	0.00167	0.1	0.00018	µg/L	1	J	J	J_LAB	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00018 µg/L method
C1	1	1	7/24/2020	0.333	0.333	0.333	1	Water Canyon	Intermediate Perched	CdV-16-1(i)	624	7/24/2020	REG	UF	INIT	Low-level 1,4-dioxane	Dioxane[1,4-]	123-91-1	0.333	1	NMED A1 TAP SCRNLVL	4.59	0.1	0.1	µg/L	1	J	J	J_LAB	SW-846:8270E_SIM	GELC	First measurement result using low MDL = 0.1 µg/L method

Table 1: NMED 8-20 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth	Start Date	Fld OC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std MDL	Std UOM	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
C1	1	1	7/24/2020	0.00041	0.000414	0.00041	1	Water Canyon	Intermediate Perched	CdV-16-1(i)	624	7/24/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.000414	1	NMED A1 TAP SCRNLVL	0.00167	0.2	0.00018	µg/L	1	J	J	J_LAB	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00018 µg/L method
C1	1	1	7/24/2020	0.00453	0.00453	0.00453	1	Water Canyon	Intermediate Perched	CdV-16-1(i)	624	7/24/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00453	1	NMED A1 TAP SCRNLVL	0.00491	0.9	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00036 µg/L method
C1	29	34	12/15/2005	3.69	7.81	5.75	2	Water Canyon	Intermediate Perched	CdV-16-2(i)r	850	7/27/2020	REG	UF	INIT	VOC	Acetone	67-64-1	3.69	0.6	NMED A1 TAP SCRNLVL	14100	0	1.5	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	Was 7.81 µg/L on 12/15/2005 (cutoff date by Consent Order was 6/14/2007).
C1	1	1	7/27/2020	0.479	0.479	0.479	1	Water Canyon	Intermediate Perched	CdV-16-2(i)r	850	7/27/2020	REG	UF	INIT	Low-level 1,4-dioxane	Dioxane[1,4-]	123-91-1	0.479	1	NMED A1 TAP SCRNLVL	4.59	0.1	0.1	µg/L	1		NQ	NQ	SW-846:8270E_SIM	GELC	First measurement result using low MDL = 0.1 µg/L method
C1	1	1	7/27/2020	0.00522	0.00522	0.00522	1	Water Canyon	Intermediate Perched	CdV-16-2(i)r	850	7/27/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00522	1	NMED A1 TAP SCRNLVL	0.00491	1.1	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00036 µg/L method
C1	1	1	7/27/2020	0.909	0.909	0.909	1	Water Canyon	Intermediate Perched	CDV-16-4ip S1	815.6	7/27/2020	REG	UF	INIT	Low-level 1,4-dioxane	Dioxane[1,4-]	123-91-1	0.909	1	NMED A1 TAP SCRNLVL	4.59	0.2	0.1	µg/L	1		NQ	NQ	SW-846:8270E_SIM	GELC	First measurement result using low MDL = 0.1 µg/L method
C1	1	1	7/27/2020	0.00197	0.00197	0.00197	1	Water Canyon	Intermediate Perched	CDV-16-4ip S1	815.6	7/27/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.00197	1	NMED A1 TAP SCRNLVL	0.00167	1.2	0.00018	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00018 µg/L method
C1	1	1	7/27/2020	0.00838	0.00838	0.00838	1	Water Canyon	Intermediate Perched	CDV-16-4ip S1	815.6	7/27/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00838	1	NMED A1 TAP SCRNLVL	0.00491	1.7	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00036 µg/L method
C1	1	1	7/16/2020	0.00065	0.000654	0.00065	1	Water Canyon	Intermediate Perched	CDV-37-1(i)	632	7/16/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00065	1	NMED A1 TAP SCRNLVL	0.00491	0.1	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00036 µg/L method
C1	1	1	7/21/2020	0.507	0.507	0.507	1	Water Canyon	Intermediate Perched	CDV-9-1(i) S1	937.4	7/21/2020	REG	UF	INIT	Low-level 1,4-dioxane	Dioxane[1,4-]	123-91-1	0.507	1	NMED A1 TAP SCRNLVL	4.59	0.1	0.1	µg/L	1		NQ	NQ	SW-846:8270E_SIM	GELC	First measurement result using low MDL = 0.1 µg/L method
C1	1	1	7/21/2020	0.00199	0.00199	0.00199	1	Water Canyon	Intermediate Perched	CDV-9-1(i) S1	937.4	7/21/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.00199	1	NMED A1 TAP SCRNLVL	0.00167	1.2	0.00018	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00018 µg/L method
C1	1	1	7/17/2020	0.34	0.34	0.34	1	Pajarito Canyon	Intermediate Spring	Bulldog Spring	0	7/17/2020	REG	UF	INIT	Low-level 1,4-dioxane	Dioxane[1,4-]	123-91-1	0.34	1	NMED A1 TAP SCRNLVL	4.59	0.1	0.1	µg/L	1	J	J	J_LAB	SW-846:8270E_SIM	GELC	First measurement result using low MDL = 0.1 µg/L method
C1	2	2	1/16/2015	5.7E-06	5.73E-06	5.7E-06	1	Pajarito Canyon	Intermediate Spring	Bulldog Spring	0	7/17/2020	REG	UF	INIT	Dioxins Furans	Heptachlorodibenzofuran [1,2,3,4,6,7,8-]	67562-39-4	0.00001	1	None	None	n/a	0.000013	µg/L	1	J	J	J_LAB	SW-846:8290A	CFA	
C1	2	2	1/16/2015	5.7E-06	5.73E-06	5.7E-06	1	Pajarito Canyon	Intermediate Spring	Bulldog Spring	0	7/17/2020	REG	UF	INIT	Dioxins Furans	Heptachlorodibenzofurans (total)	38998-75-3	0.00001	1	None	None	n/a		µg/L	1	J	J	J_LAB	SW-846:8290A	CFA	
C1	1	1	7/17/2020	0.00062	0.000623	0.00062	1	Pajarito Canyon	Intermediate Spring	Bulldog Spring	0	7/17/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00062	1	NMED A1 TAP SCRNLVL	0.00491	0.1	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00036 µg/L method
C1	1	1	7/17/2020	0.00048	0.000481	0.00048	1	Pajarito Canyon	Intermediate Spring	Bulldog Spring	0	7/17/2020	REG	UF	INIT	Low-level nitrosamines	Nitroso-di-n-butylamine[N-]	924-16-3	0.00048	1	NMED A1 TAP SCRNLVL	0.0273	0	0.00047	µg/L	1	J	J	J_LAB	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00047 µg/L method
C1	1	1	7/17/2020	0.663	0.663	0.663	1	Pajarito Canyon	Intermediate Spring	Bulldog Spring	0	7/17/2020	REG	UF	INIT	PFAS	Perfluorohexanesulfonic acid	355-46-4	0.663	1	NMED A1 TAP SCRNLVL	70	0	0.604	ng/L	1	J	J	J_LAB	EPA:537M	GELC	First sampling for PFAS
C1	1	1	7/17/2020	4.01	4.01	4.01	1	Pajarito Canyon	Intermediate Spring	Bulldog Spring	0	7/17/2020	REG	UF	INIT	PFAS	Perfluorooctanesulfonic acid	1763-23-1	4.01	1	NMED A1 TAP SCRNLVL	70	0.1	0.732	ng/L	1		NQ	NQ	EPA:537M	GELC	First sampling for PFAS

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C1	1	1	7/17/2020	2.26	2.26	2.26	1	Pajarito Canyon	Intermediate Spring	Bulldog Spring	0	7/17/2020	REG	UF	INIT	PFAS	Perfluorooctanoic acid	335-67-1	2.26	1	NMED A1 TAP SCRNLVL	70	0	0.732	ng/L	1		NQ	NQ	EPA:537M	GELC	First sampling for PFAS
C1	15	20	4/11/2001	14.1	14.1	14.1	1	Water Canyon	Intermediate Spring	Burning Ground Spring	0	7/25/2020	REG	UF	INIT	SVOC	Benzoic acid	65-85-0	14.1	1	EPA TAP SCRNLVL	75000	0	6.38	µg/L	1	J	J	J_LAB	SW-846:8270D	GELC	J-flagged result
C1	1	1	7/25/2020	2.76	2.76	2.76	1	Water Canyon	Intermediate Spring	Burning Ground Spring	0	7/25/2020	REG	UF	INIT	Low-level 1,4-dioxane	Dioxane[1,4-]	123-91-1	2.76	1	NMED A1 TAP SCRNLVL	4.59	0.6	0.1	µg/L	1		NQ	NQ	SW-846:8270E_SIM	GELC	First measurement result using low MDL = 0.1 µg/L method
C1	1	1	7/25/2020	0.00025	0.000246	0.00025	1	Water Canyon	Intermediate Spring	Burning Ground Spring	0	7/25/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.00025	1	NMED A1 TAP SCRNLVL	0.00167	0.1	0.00018	µg/L	1	J	J	J_LAB	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00018 µg/L method
C1	1	1	7/25/2020	0.00141	0.00141	0.00141	1	Water Canyon	Intermediate Spring	Burning Ground Spring	0	7/25/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00141	1	NMED A1 TAP SCRNLVL	0.00491	0.3	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00036 µg/L method
C1	1	1	7/23/2020	0.0452	0.0452	0.0452	1	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	UF	INIT	PCBs	Aroclor-1260	11096-82-5	0.0452	1	NM GW STD	0.5000	0.1	0.0354	µg/L	1	J	J	J_LAB	SW-846:8082A	GELC	J-flagged result
C1	1	1	7/23/2020	0.00085	0.000849	0.00085	1	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.00085	1	NMED A1 TAP SCRNLVL	0.00167	0.5	0.00018	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00018 µg/L method
C1	1	1	7/23/2020	0.00858	0.00858	0.00858	1	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00858	1	NMED A1 TAP SCRNLVL	0.00491	1.7	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00036 µg/L method
C1	1	1	7/23/2020	0.794	0.794	0.794	1	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	UF	INIT	PFAS	Perfluorohexanesulfonic acid	355-46-4	0.794	1	NMED A1 TAP SCRNLVL	70	0	0.62	ng/L	1	J	J	J_LAB	EPA:537M	GELC	First sampling for PFAS
C1	1	1	7/23/2020	1.08	1.08	1.08	1	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	UF	INIT	PFAS	Perfluorooctanesulfonic acid	1763-23-1	1.08	1	NMED A1 TAP SCRNLVL	70	0	0.752	ng/L	1	J	J	J_LAB	EPA:537M	GELC	First sampling for PFAS
C1	1	1	7/23/2020	12.6	12.6	12.6	1	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	UF	INIT	PFAS	Perfluorooctanoic acid	335-67-1	12.6	1	NMED A1 TAP SCRNLVL	70	0.2	0.752	ng/L	1		NQ	NQ	EPA:537M	GELC	First sampling for PFAS
C1	1	2	7/29/2020	0.00037	0.000671	0.00052	2	Water Canyon	Regional	R-27	852	7/29/2020	FD	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00067	1.3	NMED A1 TAP SCRNLVL	0.00491	0.1	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00036 µg/L method
C1	1	2	7/29/2020	0.00037	0.000671	0.00052	2	Water Canyon	Regional	R-27	852	7/29/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00037	0.7	NMED A1 TAP SCRNLVL	0.00491	0.1	0.00036	µg/L	1	J	J	J_LAB	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00036 µg/L method
C1	1	1	7/23/2020	0.241	0.241	0.241	1	Water Canyon	Regional	R-69 S2	1375.5	7/23/2020	REG	UF	INIT	Low-level 1,4-dioxane	Dioxane[1,4-]	123-91-1	0.241	1	NMED A1 TAP SCRNLVL	4.59	0.1	0.1	µg/L	1	J	J	J_LAB	SW-846:8270E_SIM	GELC	First measurement result using low MDL = 0.1 µg/L method
C1	1	1	7/23/2020	0.00112	0.00112	0.00112	1	Water Canyon	Regional	R-69 S2	1375.5	7/23/2020	REG	UF	INIT	Low-level 1,4-dioxane	Nitrosodimethylamine[N-]	62-75-9	0.00112	1	NMED A1 TAP SCRNLVL	0.00491	0.2	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00036 µg/L method
C1	1	2	7/27/2020	0.127	0.162	0.1445	2	Pajarito Canyon	Regional Top	R-18	1358	7/27/2020	FD	UF	INIT	Low-level 1,4-dioxane	Dioxane[1,4-]	123-91-1	0.162	1.1	NMED A1 TAP SCRNLVL	4.59	0	0.1	µg/L	1	J	J	J_LAB	SW-846:8270E_SIM	GELC	First measurement result using low MDL = 0.1 µg/L method
C1	1	2	7/27/2020	0.127	0.162	0.1445	2	Pajarito Canyon	Regional Top	R-18	1358	7/27/2020	REG	UF	INIT	Low-level 1,4-dioxane	Dioxane[1,4-]	123-91-1	0.127	0.9	NMED A1 TAP SCRNLVL	4.59	0	0.1	µg/L	1	J	J	J_LAB	SW-846:8270E_SIM	GELC	First measurement result using low MDL = 0.1 µg/L method

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C1	1	2	7/27/2020	0.00057	0.000571	0.00057	1	Pajarito Canyon	Regional Top	R-18	1358	7/27/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00057	1	NMED A1 TAP SCRNLVL	0.00491	0.1	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00036 µg/L method
C1	1	2	8/3/2020	0.00245	0.00334	0.0029	2	Water Canyon	Regional Top	R-68	1340	8/3/2020	FD	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00245	0.8	NMED A1 TAP SCRNLVL	0.00491	0.5	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00036 µg/L method
C1	1	2	8/3/2020	0.00245	0.00334	0.0029	2	Water Canyon	Regional Top	R-68	1340	8/3/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00334	1.2	NMED A1 TAP SCRNLVL	0.00491	0.7	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00036 µg/L method
C1	1	2	8/3/2020	0.00024	0.00024	0.00024	1	Water Canyon	Regional Top	R-68	1340	8/3/2020	REG	UF	INIT	Low-level nitrosamines	Nitroso-di-n-propylamine[N-]	621-64-7	0.00024	1	EPA TAP SCRNLVL	0.11	0	0.00018	µg/L	1	J	J	HE12g	Nitrosamines: HRMS	SWRI	FD sample was not detected using the same low MDL=0.00018 µg/L.
	1	1	7/23/2020	0.309	0.309	0.309	1	Water Canyon	Regional Top	R-69 S1	1310	7/23/2020	REG	UF	INIT	Low-level 1,4-dioxane	Dioxane[1,4-]	123-91-1	0.309	1	NMED A1 TAP SCRNLVL	4.59	0.1	0.1	µg/L	1	J	J	J_LAB	SW-846:8270E_SIM	GELC	First measurement result using low MDL = 0.1 µg/L method
C1	1	1	7/23/2020	0.00029	0.00029	0.00029	1	Water Canyon	Regional Top	R-69 S1	1310	7/23/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.00029	1	NMED A1 TAP SCRNLVL	0.00167	0.2	0.00018	µg/L	1	J	J	J_LAB	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00018 µg/L method
C1	1	1	7/23/2020	0.0015	0.0015	0.0015	1	Water Canyon	Regional Top	R-69 S1	1310	7/23/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.0015	1	NMED A1 TAP SCRNLVL	0.00491	0.3	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00036 µg/L method
C2	63	69	2/22/2009	56.2	86.5	63.8	69	Mortandad Canyon	Regional Deep	R-44 S2	985.3	7/29/2020	REG	F	INIT	Geninorg	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	86.5	1.4	LANL Reg BGLVL	72.9	1.2	1.45	mg/L	1		NQ	NQ	EPA:310.1	GELC	
C2	37	56	8/15/2006	0.216	0.458	0.24	56	Pajarito Canyon	Regional Top	R-18	1358	7/27/2020	FD	F	INIT	Geninorg	Perchlorate	CIO4	0.458	1.9	LANL Reg BGLVL	0.414	1.1	0.05	µg/L	1		NQ	NQ	SW-846:6850	GELC	
C2	17	20	11/25/2014	0.241	0.478	0.2645	20	Water Canyon	Regional Top	R-47	1322	7/28/2020	REG	F	INIT	Geninorg	Perchlorate	CIO4	0.478	1.8	LANL Reg BGLVL	0.414	1.2	0.05	µg/L	1		NQ	NQ	SW-846:6850	GELC	
C3	2	2	2/21/2018	8.29	8.29	8.29	1	Water Canyon	Intermediate	R-26 PZ-2	150	7/20/2020	REG	UF	INIT	SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	8.29	1	EPA MCL	6.0	1.4	0.33	µg/L	1		NQ	NQ	SW-846:8270D	GELC	
C3	1	1	7/24/2020	0.00453	0.00453	0.00453	1	Water Canyon	Intermediate Perched	CdV-16-1(i)	624	7/24/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00453	1	NMED A1 TAP SCRNLVL	0.00491	0.9	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	
C3	1	1	7/27/2020	0.00522	0.00522	0.00522	1	Water Canyon	Intermediate Perched	CdV-16-2(i)r	850	7/27/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00522	1	NMED A1 TAP SCRNLVL	0.00491	1.1	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	
C3	1	1	7/27/2020	0.00197	0.00197	0.00197	1	Water Canyon	Intermediate Perched	CDV-16-4ip S1	815.6	7/27/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.00197	1	NMED A1 TAP SCRNLVL	0.00167	1.2	0.00018	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	
C3	1	1	7/27/2020	0.00838	0.00838	0.00838	1	Water Canyon	Intermediate Perched	CDV-16-4ip S1	815.6	7/27/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00838	1	NMED A1 TAP SCRNLVL	0.00491	1.7	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	
C3	1	1	7/21/2020	0.00199	0.00199	0.00199	1	Water Canyon	Intermediate Perched	CDV-9-1(i) S1	937.4	7/21/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.00199	1	NMED A1 TAP SCRNLVL	0.00167	1.2	0.00018	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	
C3	1	1	7/25/2020	2.76	2.76	2.76	1	Water Canyon	Intermediate Spring	Burning Ground Spring	0	7/25/2020	REG	UF	INIT	Low-level 1,4-dioxane	Dioxane[1,4-]	123-91-1	2.76	1	NMED A1 TAP SCRNLVL	4.59	0.6	0.1	µg/L	1		NQ	NQ	SW-846:8270E_SIM	GELC	
C3	1	1	7/23/2020	0.00085	0.000849	0.00085	1	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.00085	1	NMED A1 TAP SCRNLVL	0.00167	0.5	0.00018	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	
C3	1	1	7/23/2020	0.00858	0.00858	0.00858	1	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00858	1	NMED A1 TAP SCRNLVL	0.00491	1.7	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	

Table 1: NMED 8-20 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth	Start Date	Fld OC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std MDL	Std UOM	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
C3	1	2	8/3/2020	0.00245	0.00334	0.0029	2	Water Canyon	Regional Top	R-68	1340	8/3/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00334	1.2	NMED A1 TAP SCRNLVL	0.00491	0.7	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00036 µg/L method
C3	1	1	8/4/2020	30.5	30.5	30.5	1	Mortandad Canyon	Regional	R-70 S1	963	8/4/2020	REG	F	INIT	Metals	Chromium	Cr	30.5	1	NM GW STD	50	0.6	3	µg/L	1		NQ	NQ	SW-846:6020B	GELC	
C3	1	2	8/4/2020	268	272	270	2	Mortandad Canyon	Regional	R-70 S2	1048	8/4/2020	FD	F	INIT	Metals	Chromium	Cr	272	1	NM GW STD	50	5.4	3	µg/L	1		NQ	NQ	SW-846:6020B	GELC	
C3	1	2	8/4/2020	268	272	270	2	Mortandad Canyon	Regional	R-70 S2	1048	8/4/2020	REG	F	INIT	Metals	Chromium	Cr	268	1	NM GW STD	50	5.4	3	µg/L	1		NQ	NQ	SW-846:6020B	GELC	
C4	25	31	4/20/2010	21.7	160	52.6	31	Water Canyon	Intermediate Perched	16-26644	129	7/22/2020	REG	F	INIT	Metals	Barium	Ba	44.5	0.8	LANL Int BG LVL	13.5	3.3	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	22	27	4/20/2010	15.2	57.8	20.3	27	Water Canyon	Intermediate Perched	16-26644	129	7/22/2020	REG	F	INIT	Geninorg	Chloride	Cl(-1)	22.7	1.1	LANL Int BG LVL	3.11	7.3	0.335	mg/L	5		J+	I6b	EPA:300.0	GELC	
C4	28	34	6/1/2005	5.78	8.76	6.89	34	Water Canyon	Intermediate Perched	CdV-16-1(i)	624	7/24/2020	REG	F	INIT	Geninorg	Chloride	Cl(-1)	8.67	1.3	LANL Int BG LVL	3.11	2.8	0.067	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	13	18	5/21/2015	9.11	66.5	12.7	18	Water Canyon	Intermediate Perched	CDV-9-1(i) S1	937.4	7/21/2020	REG	F	INIT	Geninorg	Chloride	Cl(-1)	15.3	1.2	LANL Int BG LVL	3.11	4.9	0.134	mg/L	2		J+	I6b	EPA:300.0	GELC	
C4	13	18	5/21/2015	0.905	2.63	1.06	18	Water Canyon	Intermediate Perched	CDV-9-1(i) S1	937.4	7/21/2020	REG	F	INIT	Geninorg	Nitrate-nitrite as nitrogen	NO3+NO2-N	1.1	1	LANL Int BG LVL	0.459	2.3	0.017	mg/L	1		NQ	NQ	EPA:353.2	GELC	
C4	32	37	9/9/2004	12.1	45.9	19.1	37	Pajarito Canyon	Intermediate Spring	Bulldog Spring	0	7/17/2020	REG	F	INIT	Geninorg	Chloride	Cl(-1)	32.9	1.7	LANL Int BG LVL	3.11	10.6	0.335	mg/L	5		J+	I6b	EPA:300.0	GELC	
C4	76	91	1/10/2000	145	1030	190	85	Water Canyon	Intermediate Spring	Burning Ground Spring	0	7/25/2020	REG	F	INIT	Metals	Barium	Ba	932	4.9	LANL Int BG LVL	13.5	69	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	28	33	1/29/2007	13.6	42	19.5	33	Water Canyon	Intermediate Spring	Burning Ground Spring	0	7/25/2020	REG	F	INIT	Geninorg	Chloride	Cl(-1)	24.5	1.3	LANL Int BG LVL	3.11	7.9	0.335	mg/L	5		NQ	NQ	EPA:300.0	GELC	
C4	72	81	1/10/2000	115	243	166	74	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	F	INIT	Metals	Barium	Ba	170	1	LANL Int BG LVL	13.5	12.6	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	28	35	1/30/2007	18	44.2	22.6	35	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	F	INIT	Geninorg	Chloride	Cl(-1)	23.9	1.1	LANL Int BG LVL	3.11	7.7	0.335	mg/L	5		J+	I6b	EPA:300.0	GELC	
C4	28	35	1/30/2007	0.349	0.688	0.479	35	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	F	INIT	Geninorg	Fluoride	F(-1)	0.654	1.4	LANL Int BG LVL	0.234	2.8	0.033	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	28	35	1/30/2007	0.95	4.88	2.68	35	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	F	INIT	Geninorg	Nitrate-nitrite as nitrogen	NO3+NO2-N	2.98	1.1	LANL Int BG LVL	0.459	6.5	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	61	67	8/30/2007	68	408	345	67	Sandia Canyon	Regional Deep	R-35a	1013.1	7/24/2020	REG	F	INIT	Metals	Barium	Ba	377	1.1	LANL Reg BG LVL	38.1	9.9	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	60	67	8/30/2007	5.97	7.31	6.51	67	Sandia Canyon	Regional Deep	R-35a	1013.1	7/24/2020	REG	F	INIT	Geninorg	Chloride	Cl(-1)	6.67	1	LANL Reg BG LVL	2.7	2.5	0.067	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	61	67	8/30/2007	1.2	22.2	7.335	66	Sandia Canyon	Regional Deep	R-35a	1013.1	7/24/2020	REG	F	INIT	Metals	Nickel	Ni	14.9	2	LANL Reg BG LVL	2.9	5.1	0.6	µg/L	1		NQ	NQ	SW-846:6020B	GELC	
C4	60	68	3/5/2009	6.1	47.6	21.6	67	Mortandad Canyon	Regional Deep	R-45 S2	974.9	7/28/2020	REG	F	INIT	Metals	Chromium	Cr	42.2	2	LANL Reg BG LVL	7.48	5.6	3	µg/L	1		NQ	NQ	SW-846:6020B	GELC	
C4	73	87	5/17/2005	2.27	7.43	5.4	87	Sandia Canyon	Regional Top	R-11	855	7/30/2020	FD	F	INIT	Geninorg	Nitrate-nitrite as nitrogen	NO3+NO2-N	5.74	1.1	LANL Reg BG LVL	0.769	7.5	0.17	mg/L	10		NQ	NQ	EPA:353.2	GELC	
C4	73	87	5/17/2005	2.27	7.43	5.4	87	Sandia Canyon	Regional Top	R-11	855	7/30/2020	REG	F	INIT	Geninorg	Nitrate-nitrite as nitrogen	NO3+NO2-N	5.69	1.1	LANL Reg BG LVL	0.769	7.4	0.17	mg/L	10		NQ	NQ	EPA:353.2	GELC	
C4	73	87	5/17/2005	5.95	20.2	10.2	87	Sandia Canyon	Regional Top	R-11	855	7/30/2020	FD	F	INIT	Geninorg	Sulfate	SO4(-2)	10.3	1	LANL Reg BG LVL	4.59	2.2	0.133	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	73	87	5/17/2005	5.95	20.2	10.2	87	Sandia Canyon	Regional Top	R-11	855	7/30/2020	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	10.3	1	LANL Reg BG LVL	4.59	2.2	0.133	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	64	67	2/17/2009	1.99	20.3	2.42	67	Mortandad Canyon	Regional Top	R-44 S1	895	8/11/2020	REG	F	INIT	Geninorg	Chloride	Cl(-1)	19.4	8	LANL Reg BG LVL	2.7	7.2	0.335	mg/L	5		NQ	NQ	EPA:300.0	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 OC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std MDL	Std UOM	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
C4	64	67	2/17/2009	1.99	20.3	2.42	67	Mortandad Canyon	Regional Top	R-44 S1	895	7/29/2020	REG	F	INIT	Geninorg	Chloride	Cl(-1)	19.0	7.9	LANL Reg BG LVL	2.7	7	0.335	mg/L	5		NQ	NQ	EPA:300.0	GELC	
C4	64	67	2/17/2009	0.536	109	2.55	40	Mortandad Canyon	Regional Top	R-44 S1	895	8/11/2020	REG	F	INIT	Metals	Nickel	Ni	37.1	14.5	LANL Reg BG LVL	2.9	12.8	0.6	µg/L	1		NQ	NQ	SW-846:6020B	GELC	Peaked at 109 µg/L on 2/20/2020; has decreased since then
C4	64	67	2/17/2009	0.536	109	2.55	40	Mortandad Canyon	Regional Top	R-44 S1	895	7/29/2020	REG	F	INIT	Metals	Nickel	Ni	42.6	16.7	LANL Reg BG LVL	2.9	14.7	0.6	µg/L	1		NQ	NQ	SW-846:6020B	GELC	Peaked at 109 µg/L on 2/20/2020; has decreased since then
C4	64	67	2/17/2009	0.123	2.66	1.19	66	Mortandad Canyon	Regional Top	R-44 S1	895	8/11/2020	REG	F	INIT	Geninorg	Nitrate-nitrite as nitrogen	NO3+NO2-N	2.32	1.9	LANL Reg BG LVL	0.769	3	0.17	mg/L	10		NQ	NQ	EPA:353.2	GELC	
C4	64	67	2/17/2009	0.123	2.66	1.19	66	Mortandad Canyon	Regional Top	R-44 S1	895	7/29/2020	REG	F	INIT	Geninorg	Nitrate-nitrite as nitrogen	NO3+NO2-N	2.42	2	LANL Reg BG LVL	0.769	3.1	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	64	67	2/17/2009	2.76	19.9	3.53	67	Mortandad Canyon	Regional Top	R-44 S1	895	8/11/2020	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	19.9	5.6	LANL Reg BG LVL	4.59	4.3	0.133	mg/L	1		J+	I6b	EPA:300.0	GELC	
C4	64	67	2/17/2009	2.76	19.9	3.53	67	Mortandad Canyon	Regional Top	R-44 S1	895	7/29/2020	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	19.2	5.4	LANL Reg BG LVL	4.59	4.2	0.133	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	61	65	2/28/2009	3	16.4	5.06	65	Mortandad Canyon	Regional Top	R-45 S1	880	7/28/2020	FD	F	INIT	Geninorg	Chloride	Cl(-1)	16.1	3.2	LANL Reg BG LVL	2.7	6	0.335	mg/L	5		NQ	NQ	EPA:300.0	GELC	
C4	61	65	2/28/2009	3	16.4	5.06	65	Mortandad Canyon	Regional Top	R-45 S1	880	7/28/2020	REG	F	INIT	Geninorg	Chloride	Cl(-1)	16.3	3.2	LANL Reg BG LVL	2.7	6	0.335	mg/L	5		NQ	NQ	EPA:300.0	GELC	
C4	61	65	2/28/2009	0.256	3.47	2.79	65	Mortandad Canyon	Regional Top	R-45 S1	880	7/28/2020	FD	F	INIT	Geninorg	Nitrate-nitrite as nitrogen	NO3+NO2-N	2.79	1	LANL Reg BG LVL	0.769	3.6	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	61	65	2/28/2009	0.256	3.47	2.79	65	Mortandad Canyon	Regional Top	R-45 S1	880	7/28/2020	REG	F	INIT	Geninorg	Nitrate-nitrite as nitrogen	NO3+NO2-N	2.71	1	LANL Reg BG LVL	0.769	3.5	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	61	65	2/28/2009	4.1	17.2	7.61	65	Mortandad Canyon	Regional Top	R-45 S1	880	7/28/2020	FD	F	INIT	Geninorg	Sulfate	SO4(-2)	16.5	2.2	LANL Reg BG LVL	4.59	3.6	0.133	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	61	65	2/28/2009	4.1	17.2	7.61	65	Mortandad Canyon	Regional Top	R-45 S1	880	7/28/2020	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	16.5	2.2	LANL Reg BG LVL	4.59	3.6	0.133	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	63	70	3/6/2010	4.68	20	9.42	70	Mortandad Canyon	Regional Top	R-50 S1	1077	7/27/2020	REG	F	INIT	Geninorg	Chloride	Cl(-1)	17.5	1.9	LANL Reg BG LVL	2.7	6.5	0.335	mg/L	5		NQ	NQ	EPA:300.0	GELC	
C4	63	72	3/6/2010	26.3	150	93.8	72	Mortandad Canyon	Regional Top	R-50 S1	1077	7/27/2020	REG	F	INIT	Metals	Chromium	Cr	40.2	0.4	LANL Reg BG LVL	7.48	5.4	3	µg/L	1		NQ	NQ	SW-846:6020B	GELC	
C4	63	70	3/6/2010	1.51	14.6	4.32	70	Mortandad Canyon	Regional Top	R-50 S1	1077	7/27/2020	REG	F	INIT	Metals	Nickel	Ni	7.61	1.8	LANL Reg BG LVL	2.90	2.6	0.6	µg/L	1		NQ	NQ	SW-846:6020B	GELC	
C4	63	71	3/6/2010	0.398	2.94	2.02	71	Mortandad Canyon	Regional Top	R-50 S1	1077	7/27/2020	REG	F	INIT	Geninorg	Nitrate-nitrite as nitrogen	NO3+NO2-N	2.46	1.2	LANL Reg BG LVL	0.769	3.2	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	63	70	3/6/2010	7.22	20.2	13.9	70	Mortandad Canyon	Regional Top	R-50 S1	1077	7/27/2020	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	19.3	1.4	LANL Reg BG LVL	4.59	4.2	0.133	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	47	54	5/20/2011	2.03	39.1	21.1	53	Mortandad Canyon	Regional Top	R-61 S1	1125	7/21/2020	REG	F	INIT	Metals	Chromium	Cr	31.2	1.5	LANL Reg BG LVL	7.48	4.2	3	µg/L	1		NQ	NQ	SW-846:6020B	GELC	
C4	47	54	5/20/2011	0.427	2.95	2.13	54	Mortandad Canyon	Regional Top	R-61 S1	1125	7/21/2020	REG	F	INIT	Geninorg	Nitrate-nitrite as nitrogen	NO3+NO2-N	2.2	1	LANL Reg BG LVL	0.769	2.9	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	46	53	5/20/2011	2.96	16.2	11.8	53	Mortandad Canyon	Regional Top	R-61 S1	1125	7/21/2020	REG	F	INIT	Geninorg	Perchlorate	ClO4	10.5	0.9	LANL Reg BG LVL	0.414	25.4	0.5	µg/L	10		NQ	NQ	SW-846:6850	GELC	
CA	2	2	2/21/2018	8.29	8.29	8.29	1	Water Canyon	Intermediate	R-26 PZ-2	150	7/20/2020	REG	UF	INIT	SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	8.29	1	EPA MCL	6.0	1.4	0.33	µg/L	1		NQ	NQ	SW-846:8270D	GELC	
CA	1	1	7/27/2020	0.00522	0.00522	0.00522	1	Water Canyon	Intermediate Perched	CdV-16-2(i)r	850	7/27/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00522	1	NMED A1 TAP SCRNLVL	0.00491	1.1	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	First measurement result using low MDL = 0.00036 µg/L method
CA	1	1	7/27/2020	0.00197	0.00197	0.00197	1	Water Canyon	Intermediate Perched	CDV-16-4ip S1	815.6	7/27/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.00197	1	NMED A1 TAP SCRNLVL	0.00167	1.2	0.00018	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	

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CA	1	1	7/27/2020	0.00838	0.00838	0.00838	1	Water Canyon	Intermediate Perched	CDV-16-4ip S1	815.6	7/27/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00838	1	NMED A1 TAP SCRNLVL	0.00491	1.7	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	
CA	1	1	7/21/2020	0.00199	0.00199	0.00199	1	Water Canyon	Intermediate Perched	CDV-9-1(i) S1	937.4	7/21/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.00199	1	NMED A1 TAP SCRNLVL	0.00167	1.2	0.00018	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	
CA	1	1	7/23/2020	0.00858	0.00858	0.00858	1	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	UF	INIT	Low-level nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00858	1	NMED A1 TAP SCRNLVL	0.00491	1.7	0.00036	µg/L	1		NQ	NQ	Nitrosamines: HRMS	SwRI	
CA	1	2	8/4/2020	268	272	270	2	Mortandad Canyon	Regional	R-70 S2	1048	8/4/2020	FD	F	INIT	Metals	Chromium	Cr	272	1	NM GW STD	50	5.4	3	µg/L	1		NQ	NQ	SW-846:6020B	GELC	
CA	1	2	8/4/2020	268	272	270	2	Mortandad Canyon	Regional	R-70 S2	1048	8/4/2020	REG	F	INIT	Metals	Chromium	Cr	268	1	NM GW STD	50	5.4	3	µg/L	1		NQ	NQ	SW-846:6020B	GELC	

Note: The low-level nitrosamines HRMS method is a modification of SW-846:8270, to which the laboratory is certified by DOECAP. Certification for the low-level nitrosamines HRMS method is ongoing. Review of quality assurance and control measures is ongoing.

Table 2: NMED 8-20 Groundwater Report Addendum

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth	Start Date	Fld QC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std MDL	Std UOM	Dilution Factor	Lab Qualifier	Validation Qualifier	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
XC2scr	28	33	4/13/2005	3.57	3.57	3.57	1	Water Canyon	Intermediate Perched	R-26 S1	651.8	7/20/2020	REG	F	INIT	Metals	Copper	Cu	3.57	1	Int-Scr_95	3	1.2	3	µg/L	1	J	J	J_LAB	SW-846:6010C	GELC	
XC2scr	18	22	8/30/2006	0.00173	0.00214	0.001935	2	Pajarito Canyon	Intermediate Spring	Bulldog Spring	0	7/17/2020	REG	UF	INIT	Inorganic	Cyanide (total)	CN (total)	0.00173	0.9	Int-Scr_95	0.0017	1	0.00167	mg/L	1	J	J	J_LAB	EPA:335.4	GELC	
XC2scr	21	31	7/1/2006	1.01	1.5	1.255	2	Water Canyon	Regional	R-27	852	7/29/2020	REG	F	INIT	Metals	Cobalt	Co	1.01	0.8	Reg-Scr_95	1	1	1	µg/L	1	J	J	J_LAB	SW-846:6010C	GELC	
XC4scr	31	37	6/1/2005	33	92.3	60.5	37	Water Canyon	Intermediate Perched	CdV-16-1(i)	624	7/24/2020	REG	F	INIT	Metals	Boron	B	92.3	1.5	Int-Scr_95	16.2	5.7	15	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
XC4scr	31	37	6/1/2005	3.4	24.8	10.1	35	Water Canyon	Intermediate Perched	CdV-16-1(i)	624	7/24/2020	REG	F	INIT	Metals	Copper	Cu	16.3	1.6	Int-Scr_95	3	5.4	3	µg/L	1	J	J	J_LAB	SW-846:6010C	GELC	
XC4scr	31	37	6/1/2005	4.9	70.7	26.2	33	Water Canyon	Intermediate Perched	CdV-16-1(i)	624	7/24/2020	REG	F	INIT	Metals	Zinc	Zn	70.1	2.7	Int-Scr_95	17.4	4	3.3	µg/L	1		J+	I4a	SW-846:6010C	GELC	
XC4scr	26	32	8/31/2010	22.9	115	63.55	32	Water Canyon	Intermediate Perched	CDV-16-4ip S1	815.6	7/27/2020	REG	F	INIT	Metals	Boron	B	67.1	1.1	Int-Scr_95	16.2	4.1	15	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
XC4scr	72	81	1/10/2000	51	5130	320	53	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	F	INIT	Metals	Aluminum	Al	231	0.7	Int-Scr_95	68	3.4	68	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
XC4scr	68	77	1/10/2000	508	2840	1290	77	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	F	INIT	Metals	Boron	B	960	0.7	Int-Scr_95	16.2	59.3	15	µg/L	1		J+	I4a	SW-846:6010C	GELC	
XC4scr	72	81	1/10/2000	29.3	2690	137	58	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	F	INIT	Metals	Iron	Fe	119	0.9	Int-Scr_95	54.1	2.2	30	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
XC4scr	61	67	8/30/2007	20.6	47.8	38.5	63	Sandia Canyon	Regional Deep	R-35a	1013.1	7/24/2020	REG	F	INIT	Metals	Boron	B	44.1	1.1	Reg-Scr_95	18.7	2.4	15	µg/L	1	J	J	J_LAB	SW-846:6010C	GELC	
XC4scr	63	70	3/6/2010	0.0691	0.162	0.0942	50	Mortandad Canyon	Regional Top	R-50 S1	1077	7/27/2020	REG	F	INIT	Geninorg	Bromide	Br(-1)	0.14	1.5	Reg-Scr_95	0.067	2.1	0.067	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
XC4scr	47	54	5/20/2011	0.0531	11.8	0.574	51	Mortandad Canyon	Regional Top	R-61 S1	1125	7/21/2020	REG	F	INIT	Geninorg	Total phosphate as phosphorus	PO4-P	0.411	0.7	Reg-Scr_95	0.0822	5	0.02	mg/L	1		J+	I4a	EPA:365.4	GELC	
XC2scr	28	33	4/13/2005	3.57	3.57	3.57	1	Water Canyon	Intermediate Perched	R-26 S1	651.8	7/20/2020	REG	F	INIT	Metals	Copper	Cu	3.57	1	Int-Scr_95	3	1.2	3	µg/L	1	J	J	J_LAB	SW-846:6010C	GELC	
XC2scr	18	22	8/30/2006	0.00173	0.00214	0.001935	2	Pajarito Canyon	Intermediate Spring	Bulldog Spring	0	7/17/2020	REG	UF	INIT	Inorganic	Cyanide (total)	CN (total)	0.00173	0.9	Int-Scr_95	0.0017	1	0.00167	mg/L	1	J	J	J_LAB	EPA:335.4	GELC	
XC2scr	21	31	7/1/2006	1.01	1.5	1.255	2	Water Canyon	Regional	R-27	852	7/29/2020	REG	F	INIT	Metals	Cobalt	Co	1.01	0.8	Reg-Scr_95	1	1	1	µg/L	1	J	J	J_LAB	SW-846:6010C	GELC	
XC4scr	31	37	6/1/2005	33	92.3	60.5	37	Water Canyon	Intermediate Perched	CdV-16-1(i)	624	7/24/2020	REG	F	INIT	Metals	Boron	B	92.3	1.5	Int-Scr_95	16.2	5.7	15	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
XC4scr	31	37	6/1/2005	3.4	24.8	10.1	35	Water Canyon	Intermediate Perched	CdV-16-1(i)	624	7/24/2020	REG	F	INIT	Metals	Copper	Cu	16.3	1.6	Int-Scr_95	3	5.4	3	µg/L	1	J	J	J_LAB	SW-846:6010C	GELC	
XC4scr	31	37	6/1/2005	4.9	70.7	26.2	33	Water Canyon	Intermediate Perched	CdV-16-1(i)	624	7/24/2020	REG	F	INIT	Metals	Zinc	Zn	70.1	2.7	Int-Scr_95	17.4	4	3.3	µg/L	1		J+	I4a	SW-846:6010C	GELC	
XC4scr	26	32	8/31/2010	22.9	115	63.55	32	Water Canyon	Intermediate Perched	CDV-16-4ip S1	815.6	7/27/2020	REG	F	INIT	Metals	Boron	B	67.1	1.1	Int-Scr_95	16.2	4.1	15	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
XC4scr	72	81	1/10/2000	51	5130	320	53	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	F	INIT	Metals	Aluminum	Al	231	0.7	Int-Scr_95	68	3.4	68	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
XC4scr	68	77	1/10/2000	508	2840	1290	77	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	F	INIT	Metals	Boron	B	960	0.7	Int-Scr_95	16.2	59.3	15	µg/L	1		J+	I4a	SW-846:6010C	GELC	
XC4scr	72	81	1/10/2000	29.3	2690	137	58	Water Canyon	Intermediate Spring	Martin Spring	0	7/23/2020	REG	F	INIT	Metals	Iron	Fe	119	0.9	Int-Scr_95	54.1	2.2	30	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
XC4scr	61	67	8/30/2007	20.6	47.8	38.5	63	Sandia Canyon	Regional Deep	R-35a	1013.1	7/24/2020	REG	F	INIT	Metals	Boron	B	44.1	1.1	Reg-Scr_95	18.7	2.4	15	µg/L	1	J	J	J_LAB	SW-846:6010C	GELC	
XC4scr	63	70	3/6/2010	0.0691	0.162	0.0942	50	Mortandad Canyon	Regional Top	R-50 S1	1077	7/27/2020	REG	F	INIT	Geninorg	Bromide	Br(-1)	0.14	1.5	Reg-Scr_95	0.067	2.1	0.067	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
XC4scr	47	54	5/20/2011	0.0531	11.8	0.574	51	Mortandad Canyon	Regional Top	R-61 S1	1125	7/21/2020	REG	F	INIT	Geninorg	Total phosphate as phosphorus	PO4-P	0.411	0.7	Reg-Scr_95	0.0822	5	0.02	mg/L	1		J+	I4a	EPA:365.4	GELC	