

DEPARTMENT OF ENERGY

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

EMLA-2020-1170-02-001

Mr. David Cobrain
Acting Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303



DEC 1 6 2019

Subject:

Monthly Notification of Groundwater Data Reviewed in December 2019

Dear Mr. Cobrain:

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 December 9, 2019, to review groundwater data received in November 2019 in accordance with Section XXVI.C of the 2016 Consent Order. 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 November 2019 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.

N3B is updating its data management software and procedures to incorporate the annual "Interim Facility-Wide Groundwater Monitoring Plan" for the 2020 monitoring year, which incorporates new contaminants, new analytical methods, and other chemical constituents that meet the five screening criteria described in Section XXVI of the 2016 Consent Order. Upon completion of the upgrade, N3B will conduct additional groundwater data review and submit a report for those samples collected on or after October 1, 2019, that did not meet the reporting criteria using the data management software and procedures before the upgrade.

1-Day Notification

There were no instances of a contaminant detected at a concentration that exceeded the NMWQCC groundwater standard or federal MCL at locations where contaminants have not previously been detected above the respective standard as defined in the 2016 Consent Order (based on samples collected since June 14, 2007).

One-day notification was not required because there were no cases of a contaminant detected in a well screen interval or spring at a concentration that exceeded a water quality standard for the first time.

15-Day Notification

The required information for the contaminants and other chemical parameters that meet the five reporting criteria requiring written notification within 15 days is given in the accompanying 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) 257-7943 (hai.shen@em.doe.gov).

Sincerely,

Arturo Q. Duran

Compliance and Permitting Manager

Environmental Management Los Alamos Field Office

Enclosure:

1. Two hard copies with electronic files – Summary of Groundwater Data Reviewed in December 2019 That Meet Notification Requirements (EM2019-0479)

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

Neelam Dhawan, NMED

Michelle Hunter, NMED

Steve Pullen, NMED

Andrew C. Romero, NMED

Melanie Sandoval, NMED

Steve Yanicak, NMED-DOE-OB

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

Erich Evered, N3B

Lori Huntoon, N3B

Danny Katzman, N3B

Joseph Legare, N3B

Dana Lindsay, N3B

Frazer Lockhart, N3B

Elizabeth Lowes, N3B

Pamela Maestas, N3B

Glenn Morgan, N3B

Bruce Robinson, N3B

Steve Veenis, N3B

Karen Armijo, NA-LA

Pete Maggiore, NA-LA

David Nickless, EM-LA

Cheryl Rodriguez, EM-LA

Hai Shen, EM-LA

n3brecords@em-la.doe.gov

Public Reading Room (EPRR)

PRS Website

emla.docs@em.doe.gov

SUMMARY OF GROUNDWATER DATA REVIEWED IN DECEMBER 2019 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 11-19 Groundwater Report, presents results since June 14, 2007, that met the five reporting criteria as specified in the 2016 Consent Order. Table 2, NMED 11-19 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 November 2019 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 criteria C2 and 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

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

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

Acronyms and Abbreviations

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

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

GENINORG—General Inorganic

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

HEXP—high explosive

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

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

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

NTU—nephelometric turbidity unit

PFAS—perfluorohexane sulfonic acid

PQL—practical quantitation limit

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

SVOC—semivolatile organic compound

TDS—total dissolved solids

TNX—2,4,6-trinitroxylene

UAL—upper acceptance limit

UOM—units of measurement

VOC-Volatile organic compound

Analytical Laboratory Codes and Qualifiers

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

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

SwRI—Southwest Research Institute

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.

19b (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

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 11-19 Groundwater Report

ıa	JIE I	. INIVIE	ט פו-וו ט	roundw	ater Repo	τ																								
Critoria Codo	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	Validation Qualifier	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
C1	1	2	10/22/2019		0.00123	0.00123 1		Pajarito Canyon	Intermediate Perched	R-23i S1 4	00.3			UF	INIT	Low-Level Nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00123 1	A S	IMED 1 TAP CCRN VL	0.3		µg/L	1	NQ	NQ	Nitrosamines: HRMS	SwRI	
C1	1	1	10/21/2019	0.00063	0.000631	0.00063 1		Mortandad Canyon	Intermediate Perched	R-37 S1 9	29.3	10/21/2019	REG	UF		Low-Level Nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.000631 1	A S	IMED 0.00491 A1 TAP SCRN VL	0.1	0.00036	µg/L	1	NQ	NQ	Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.
C1	1	1	10/16/2019	0.00018	0.000182	0.00018 1		Mortandad Canyon	Regional Deep	R-52 S2 1	107	10/16/2019	REG	UF	INIT	Low-Level Nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.000182 1	A S	IMED 0.00167 ITAP ICRN VL	0.1	0.00018	μg/L	1 J	J	J_LAB	Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.
C1	1	1	10/16/2019	0.00	0.000464	0.00046 1		Mortandad Canyon	Regional Deep	R-52 S2 1	107	10/16/2019	REG	UF	INIT	Low-Level Nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00 1	A S	IMED 0.00491 A1 TAP CCRN VL	0.1	0.00036	µg/L	1 J	7	J_LAB	Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.
C1	1	1	10/21/2019	0.00	0.00165	0.00165 1		Pajarito Canyon	Regional Deep	R-54 S2 9	15	10/21/2019	REG	UF		Low-Level Nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00 1	A S	IMED 0.00491 11 TAP SCRN VL	0.3	0.00036	μg/L	1	NQ	NQ	Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.

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Table 1: NMED 11-19 Groundwater Report

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	Unterla 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 UOM	Dilution Factor Lab Qualifier	Validation Qualifier	Validation Reason Code	Anyl Weth Code	Lab Code	Comment
С		1	10/21/2019	0.00	0.000649	0.00065 1	Pajarito Canyon	Regional Deep	R-54 S2 915	10/21/2019		UF I		Low-Level Nitrosamines	Nitroso-di-n-butylamine[N-]	924-16-3	0.00	1	NMED 0.0 A1 TAP SCRN LVL	273	0.00047	μg/L	1	NQ		Nitrosamines: HRMS	SwRI	
С	1	1	10/16/2019	0.00	0.000214	0.00021 1	Mortanda Canyon	d Regional Deep	R-55 S2 994	10/16/2019	REG I	UF I		Low-Level Nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.00	1	NMED 0.0 A1 TAP SCRN LVL	0167	0.00018	μg/L	1 J	J .		Nitrosamines: HRMS	SwRI	First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.
С	1	1	10/16/2019	0.00	0.000533	0.00053 1	Mortanda Canyon	d Regional Deep	R-55 S2 994	10/16/2019	REG (UF I		Low-Level Nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00	1	NMED 0.0 A1 TAP SCRN LVL	0491	0.00036	μg/L	1	NQ		Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.
С	1	1	10/24/2019	0.00	0.000957	0.00096 1	Mortanda Canyon	d Regional Deep	R-56 S2 1047	10/24/2019	REG (UF I		Low-Level Nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00	1	NMED 0.0 A1 TAP SCRN LVL	0491	0.2 0.00036	μg/L	1	NQ		Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.
С	1	1	10/24/2019	0.00	0.000573	0.00057 1	Mortanda Canyon	d Regional Deep	R-56 S2 1047	10/24/2019	REG	UF I		Low-Level Nitrosamines	Nitroso-di-n-butylamine[N-]	924-16-3	0.00	1	NMED 0.0 A1 TAP SCRN LVL	273	0.00047	μg/L	1	NQ		Nitrosamines: HRMS	SwRI	First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.

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Table 1: NMED 11-19 Groundwater Report

Table	I : INIVI	ED 11-19 G	rounaw	ater Kepo	ort																						
	Visits Samples		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	_ 2	Std MDL	Std UOM	Dilution Factor Lab Qualifier	Validation Qualifier	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
C1 1	1	10/1/2019	0.62	0.617	0.617	1 White Rock Canyon and Rio Grande	Spring	Spring 3	0	10/1/2019	REG	UF	INIT	LCMS/MS PFAS	Perfluorohexanesulfonic acid	355-46-4	0.62	1 NMED A1 TAP SCRN LVL	70 0	0.574	ng/L	1 J	J	J_LAB	EPA:537M	sam valid asse the i	st time npled; focused dation and sessment of result are going.
C1 1	1	10/1/2019	1.07	1.07	1.07	1 White Rock Canyon and Rio Grande	Spring	Spring 3	0	10/1/2019	REG	UF		LCMS/MS PFAS	Perfluorooctanoic acid	335-67-1	1.07	1 NMED A1 TAP SCRN LVL	70 0	0.609	ng/L	1 J	J	J_LAB	EPA:537M	sam valid asse the i	st time npled; focused idation and sessment of result are going.
C1 1	1	10/1/2019	0.00	0.000478	0.000478	White Rock Canyon and Rio Grande	Spring	Spring 3A	0	10/1/2019	REG	UF		Low-Level Nitrosamines	Nitroso-di-n-butylamine[N-]	924-16-3	0.00	1 NMED A1 TAP SCRN LVL	0.0273 0	0.00047	µg/L	1 J	J	J_LAB	Nitrosamines: HRMS	resu leve metl valid asse the i	asurement ult using low- el nitrosamine thod; focused dation and essment of results are going.
C1 14	14	9/18/2006	2.44	4.66	3.55	2 White Rock Canyon and Rio Grande	Spring	Spring 4AA	0	10/1/2019	REG	UF	INIT	VOC	Acetone	67-64-1	4.66	1.3 NMED A1 TAP SCRN LVL	14100 0	1.5	μg/L	1 J	J	J_LAB	SW-846:8260B		
C1 1	1	10/2/2019	0.00	0.000192	0.000192	1 White Rock Canyon and Rio Grande	Spring	Spring 6	0	10/2/2019	REG	UF		Low-Level Nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.00	1 NMED A1 TAP SCRN LVL	0.00167 0.1	0.00018	µg/L	1 J	J	J_LAB	Nitrosamines: HRMS	resuleve meth valid asse the i	asurement ult using low- el nitrosamine thod; focused dation and essment of results are going.
C1 7	7	10/7/2003	6.44	6.44	6.44	1 White Rock Canyon and Rio Grande	Spring	Spring 8A	0	10/2/2019	REG	UF	TINI	voc	Acetone	67-64-1	6.44	1 NMED A1 TAP SCRN LVL	14100 0	1.5	μg/L	1 J	۲	J_LAB	SW-846:8260B		
C1 1	1	10/2/2019	0.0002	0.000243	0.000243	1 White Rock Canyon and Rio Grande	Spring	Spring 8A	0	10/2/2019	REG	UF		Low-Level Nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.000243	1 NMED A1 TAP SCRN LVL	0.00167 0.1	0.00018	µg/L	1 J	J	J_LAB	Nitrosamines: HRMS	resu leve metl valid asse the i	asurement ult using low- el nitrosamine thod; focused dation and essment of results are going.

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Table 1: NMED 11-19 Groundwater Report

C1 Ode	its		First Event 9/25/2012	Min Detect	Max Detect	Median Detect	White Rock Canyon an Rio Grande		Cocation Spring 9 0	Screen Depth	Start Date	Eld OC Type Code	드 Fld Prep Code	Lat	OO Anyl Suite Code	Analyte Desc	4 Analyte	Std Result	Tesult/Median		Screen Level	Exceedance Ratio C SC Std MDL	MOI PE		b Qualifier	Validation Qualifier	-	Lab Code	Comment
C1	1	1	10/24/2019	0.0006	0.000558	0.000558 1	Mortandad Canyon		R-21 8	388.8	10/24/2019	REG	UF		Low-Level Nitrosamines	Nitroso-di-n-butylamine[N-]	924-16-3	0.000558	1	LVL	0273	0.0004	7 μg/l	. 1	N	Q NQ	Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.
C1	1	1	10/15/2019	0.0002	0.000225	0.000225 1	Pajarito Canyon	Regional Top	R-32 S1 8	367.5	10/15/2019	REG	UF	INIT	Low-Level Nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.000225	1	NMED 0.0 A1 TAP SCRN LVL	00167	0.0001	8 μg/l	. 1	J J	J_L	B Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.
C1	1	1	10/15/2019	0.001	0.00102	0.00102 1	Pajarito Canyon	Regional Top	R-32 S1 8	867.5	10/15/2019	REG	UF		Low-Level Nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00102	1	NMED 0.0 A1 TAP SCRN LVL	00491	0.0003	6 μg/l	. 1	N	Q NQ	Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.
C1	1	1	10/17/2019	0.0002	0.000237	0.000237 1	Mortandad Canyon	Regional Top	R-37 S2 1	1026	10/17/2019	REG	UF	INIT	Low-Level Nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.000237	1	NMED 0.0 A1 TAP SCRN LVL	00167	0.0001	8 μg/l	. 1	J J	J_L/	B Nitrosamines: HRMS	SwRI	

Table 1: NMED 11-19 Groundwater Report

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Criteria Code	Visits	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 UOM	Dilution Factor	Lab Qualifier Validation Qualifier	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
C1	1	10/17/2019	0.00	0.00117	0.00117 1	Mortandad Canyon	Regional Top	R-37 S2	1026	10/17/2019	REG	UF I		Low-Level Nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00	1 NMED A1 TAP SCRN LVL	0.00491 0	.2 0.00036	μg/L	1	NQ	NQ	Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.
C1	1	10/23/2019	0.00	0.00478	0.00478 1	1 Pajarito Canyon	Regional Top	R-39	859	10/23/2019	REG	UF I		Low-Level Nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00	1 NMED A1 TAP SCRN LVL	0.00491 1	0.00036	μg/L	1	NQ	NQ	Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.
C1	1	10/23/2019	0.00	0.00178	0.00178 1	1 Pajarito Canyon	Regional Top	R-39	859	10/23/2019	REG	UF I		Low-Level Nitrosamines	Nitroso-di-n-butylamine[N-]	924-16-3	0.00	1 NMED A1 TAP SCRN LVL	0.0273 0	.1 0.00047	μg/L	1	NQ	NQ	Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.
C1	1	10/17/2019	0.00	0.000509	0.000509	Mortandad Canyon	Regional Top	R-41 S2	965	10/17/2019	REG	UF I		Low-Level Nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00	1 NMED A1 TAP SCRN LVL	0.00491 0	.1 0.00036	μg/L	1	NQ	NQ	Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.
C1	1	10/16/2019	0.00	0.000204	0.000204	1 Mortandad Canyon	Regional Top	R-52 S1	1035	10/16/2019	REG	UF I		Low-Level Nitrosamines	Nitrosodiethylamine[N-]	55-18-5	0.00	1 NMED A1 TAP SCRN LVL	0.00167	.1 0.00018	β µg/L	1 J	J	J_LAB	Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.

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Table 1: NMED 11-19 Groundwater Report

•	DIC I		_D 11-13 (Journaw	ater Repo	11																								
	Vieite	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 UOM	Dilution Factor Lab Qualifier	Validation Qualifier	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
С	1	1	10/16/2019	0.00	0.000471	0.000471 1	Mortand Canyon	ad Regional Top	R-52 S1	1035	10/16/2019		UF	INIT	Low-Level Nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00	1	NMED 0. A1 TAP SCRN LVL	.00491	0.000	36 µg	/L 1	J	J	J_LAB	Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.
С	1	1	10/24/2019	0.00	0.000699	0.000699 1	Mortand Canyon	ad Regional Top	R-56 S1	945	10/24/2019	REG	UF		Low-Level Nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00	1	NMED 0. A1 TAP SCRN LVL	.00491	0.000	36 µg	/L 1		NQ		Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.
С	1	1	10/18/2019	0.00	0.000376	0.000376 1	Pajarito Canyon	Regional Top	R-57 S1	910	10/18/2019	REG	UF		Low-Level Nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00	1	NMED 0. A1 TAP SCRN LVL	.00491	0.000	36 µg	/L 1	J	J		Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.
С	13	16	5/21/2009	1.75	5.92	2.11 3	Upper Los Alar Canyon	Intermediate	TA-53i	600	9/18/2019	REG	F	INIT	Inorganic	Arsenic	As	5.92	1	NM GW 10 STD	0	0.6 2	μg	/L 1		NQ	NQ	SW-846:6020A	GELC	
С	1	1	10/23/2019	0.00	0.00478	0.00478 1	Pajarito Canyon	Regional Top	R-39	859	10/23/2019	REG	UF		Low-Level Nitrosamines	Nitrosodimethylamine[N-]	62-75-9	0.00	1	NMED 0. A1 TAP SCRN LVL	.00491	0.000	36 µд	/L 1		NQ		Nitrosamines: HRMS		First measurement result using low- level nitrosamine method; focused validation and assessment of the results are ongoing.
С	13	16	5/21/2009	37.80	45.6	40.9 1	6 Upper Los Alar Canyon	Intermediate	TA-53i	600	9/18/2019	REG	F	INIT	METALS	Barium	Ва	45.60	1.1	LANL 13 Int BG LVL	3.5	3.4 1	μg	/L 1		NQ	NQ	SW-846:6010C	GELC	
С	13	16	5/21/2009	32.5	42.8	36.55 1	6 Upper Los Alar Canyon	Intermediate	TA-53i	600	9/18/2019	REG	F	INIT	GENINORG	Calcium	Са	42.8	1.2	LANL 10 Int BG LVL	0.7	4 0.05	mę	g/L 1		NQ	NQ	SW-846:6010C	GELC	

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Table 1: NMED 11-19 Groundwater Report

		LD 11 13 C	- Ouriaw	ater Repo	,,,,																								
Criteria Code	Visits Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Zone	Location	Screen Depth	Start Date	FId 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	Validation Qualifier	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
C4 14	17	5/21/2009	25.3	40	30.9	17 Upper Los Alamos Canyon	Intermediate	TA-53i	600	9/18/2019	REG	F	NIT	Geninorg	Chloride	CI(-1)	39.2	1.3	LANL Int BG LVL	3.11	12.6	0.67	mg/L	10	J+	l4a	EPA:300.0	GELC	
C4 13	3 16	5/21/2009	109.00	144	122	16 Upper Los Alamos Canyon	Intermediate	TA-53i	600	9/18/2019	REG	F II	NIT	Geninorg	Hardness	Hardness	144.00	1.2	LANL Int BG LVL	37.8	3.8	0.453	mg/L	1	NQ	NQ	SM:A2340B	GELC	
C4 13	3 16	5/21/2009	6.74	9	7.445	16 Upper Los Alamos Canyon	Intermediate	TA-53i	600	9/18/2019	REG	F II	NIT	Geninorg	Magnesium	Mg	9.00	1.2	LANL Int BG LVL	3.14	2.9	0.11	mg/L	1	NQ	NQ	SW-846:6010C	GELC	
C4 14	17	5/21/2009	0.96	1.45	1.08	17 Upper Los Alamos Canyon	Intermediate	TA-53i	600	9/18/2019	REG	F II	NIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.22	1.1	LANL Int BG LVL	0.459	2.7	0.017	mg/L	1	NQ	NQ	EPA:353.2	GELC	
C4 14	17	5/21/2009	0.579	0.68	0.632	17 Upper Los Alamos Canyon	Intermediate	TA-53i	600	9/18/2019	REG	F II	NIT	Geninorg	Perchlorate	CIO4	0.652	1	LANL Int BG LVL	0.27	2.4	0.05	μg/L	1	NQ	NQ	SW-846:6850	GELC	
C4 13	3 16	5/21/2009	4.56	5.93	5.195	16 Upper Los Alamos Canyon	Intermediate	TA-53i	600	9/18/2019	REG	F I	NIT (Geninorg	Potassium	К	5.93	1.1	LANL Int BG LVL	2.35	2.5	0.05	mg/L	1	NQ	NQ	SW-846:6010C	GELC	
C4 13	3 16	5/21/2009	168.00	238	197	16 Upper Los Alamos Canyon	Intermediate	TA-53i	600	9/18/2019	REG	F I	NIT	Metals	Strontium	Sr	238.00	1.2	LANL Int BG LVL	59.6	4	1	μg/L	1	NQ	NQ	SW-846:6010C	GELC	
C4 14	17	5/21/2009	15.40	31.7	18	17 Upper Los Alamos Canyon	Intermediate	TA-53i	600	9/18/2019	REG	F II	NIT	Geninorg	Sulfate	SO4(-2)	31.70	1.8	LANL Int BG LVL	7.1	4.5	1.33	mg/L	10	NQ	NQ	EPA:300.0	GELC	
C4 54				389	346	59 Sandia Canyon	Regional Deep	R-35a	1013	10/16/2019	FD	F II	NIT I	Metals	Barium	Ва	341.00	1	LANL Reg BG LVL	38.1	9	1	μg/L	1	NQ	NQ	SW-846:6010C	GELC	
C4 54	4 59	8/30/2007	68.00	389	346		Regional Deep	R-35a	1013	10/16/2019	REG	F II	NIT I	Metals	Barium	Ва	346.00	1	LANL Reg BG LVL		9.1	1	μg/L	1	NQ	NQ	SW-846:6010C	GELC	
C4 53	3 58	8/30/2007	5.97	7.31	6.455	58 Sandia Canyon	Regional Deep	R-35a	1013	10/16/2019	FD	F II	NIT (Geninorg	Chloride	CI(-1)	6.46	1	LANL Reg BG LVL	2.7	2.4	0.067	mg/L	1	NQ	NQ	EPA:300.0	GELC	
C4 53	3 58	8/30/2007	5.97	7.31	6.455	58 Sandia Canyon	Regional Deep	R-35a	1013	10/16/2019	REG	F II	NIT	Geninorg	Chloride	CI(-1)	6.68	1	LANL Reg BG LVL	2.7	2.5	0.067	mg/L	1	NQ	NQ	EPA:300.0	GELC	
C4 66	6 78	5/17/2005	2.27	7.43	5.39	78 Sandia Canyon	Regional Top	R-11	855	10/9/2019	REG	F II	NIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.68	1.1	LANL Reg BG LVL	0.769	7.4	0.17	mg/L	10	NQ	NQ	EPA:353.2	GELC	
C4 66	78	5/17/2005	5.95	20.2	10.3	78 Sandia Canyon	Regional Top	R-11	855	10/9/2019	REG	F II	NIT (Geninorg	Sulfate	SO4(-2)	10.40	1	LANL Reg BG LVL	4.59	2.3	0.133	mg/L	1	NQ	NQ	EPA:300.0	GELC	

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Table 1: NMED 11-19 Groundwater Report

Tab	ie 1:	NMED	11-19 G	rounaw	ater Repo	ort 																				$\overline{1}$	əpc			
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	Validation Qualifier	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
			17/2009	1.99	19	2.39	57	Mortandad Canyon	Regional Top	R-44 S1	895		REG		INIT	Geninorg	Chloride	CI(-1)	18.70	7.8	LANL 2.7 Reg BG LVL			mg/L		NQ	NQ	EPA:300.0	GELC	
C4	55	57 2/	17/2009	1.99	19	2.39	57	Mortandad Canyon	Regional Top	R-44 S1	895	9/12/2019	REG	F	INIT	Geninorg	Chloride	CI(-1)	19	7.9	LANL 2.7 Reg BG LVL	7	0.335	mg/L	5	NQ	NQ	EPA:300.0	GELC	
C4	55	57 2/	17/2009	0.12	2.57	1.16	56	Mortandad Canyon	Regional Top	R-44 S1	895	10/11/2019	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.66	2.3	LANL 0.769 Reg BG LVL	3.5	0.085	mg/L	5	J+	l6b	EPA:353.2	GELC	
C4	55	57 2/	17/2009	0.12	2.57	1.16	56	Mortandad Canyon	Regional Top	R-44 S1	895	9/12/2019	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.36	2	LANL 0.769 Reg BG LVL	3.1	0.085	mg/L	5	NQ	NQ	EPA:353.2	GELC	
C4	55	57 2/	17/2009	2.76	19.4	3.45	57	Mortandad Canyon	Regional Top	R-44 S1	895	10/11/2019	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	18.1	5.2	LANL 4.59 Reg BG LVL	3.9	0.665	mg/L	5	NQ	NQ	EPA:300.0	GELC	
C4	55	57 2/	7/2009	2.76	19.4	3.45	57	Mortandad Canyon	Regional Top	R-44 S1	895	9/12/2019	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	19.40	5.6	LANL 4.59 Reg BG LVL	4.2	0.133	mg/L	1	NQ	NQ	EPA:300.0	GELC	
C4	54	57 2/2	28/2009	0.26	3.47	2.82	57	Mortandad Canyon	Regional Top	R-45 S1	880	10/17/2019	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.46	0.9	LANL 0.769 Reg BG LVL	3.2	0.085	mg/L	5	NQ	NQ	EPA:353.2	GELC	
C4	55	61 2/2	28/2009	8.40	50.7	35	61	Mortandad Canyon	Regional Top	R-45 S1	880	10/17/2019	REG	F	INIT	Inorganic	Chromium	Cr	30.00	1	LANL 7.48 Reg BG LVL	4.4	3	μg/L	1	NQ	NQ	SW-846:6020B	GELC	
C4	52	60 3/5	5/2009	6.10	47.4	19.5	60	Mortandad Canyon	Regional Deep	R-45 S2	975	10/17/2019	REG	F	INIT	Inorganic	Chromium	Cr	32.50	1	LANL 7.48 Reg BG LVL	4.9	3	μg/L	1	NQ	NQ	SW-846:6020B	GELC	
C4	56	63 3/6	6/2010	4.68	18.3	9.15		Mortandad Canyon	Regional Top	R-50 S1	1077	10/21/2019	REG	F	INIT	Gennorg	Chloride	CI(-1)	17.40	1.9	LANL 2.7 Reg BG LVL	6.4	0.335	mg/L	5	J+	l6b	EPA:300.0	GELC	
C4	56	64 3/6	6/2010	0.398	2.94	1.965		Mortandad Canyon	Regional Top	R-50 S1	1077	10/21/2019	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.94	1.5	LANL 0.769 Reg BG LVL	3.8	0.085	mg/L	5	J+	l6b	EPA:353.2	GELC	
C4	56	63 3/6	6/2010	7.22	19.6	13.2		Mortandad Canyon	Regional Top	R-50 S1	1077	10/21/2019	REG	F	INIT	Geninorg	Sulfate	SO4(-2)	19.3	1.5	LANL 4.59 Reg BG LVL	4.2	0.133	mg/L	1	J+	l6b	EPA:300.0	GELC	
C4	57	65 3/6	6/2010	43.1	150	43.6		Mortandad Canyon	Regional Top	R-50 S1	1077	10/21/2019	REG	F	INIT	Inorganic	Chromium	Cr	45.1	1	LANL 7.48 Reg BG LVL	5.9	3	μg/L	1	NQ	NQ	SW-846:6020B	GELC	
C4	40	46 5/2	20/2011	0.427	2.77	2.04		Mortandad Canyon	Regional Top	R-61 S1	1125	10/18/2019	REG	F	INIT	Geninorg	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.77	1.4	LANL 0.769 Reg BG LVL	3.6	0.085	mg/L	5	J+	l6b	EPA:353.2	GELC	
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Table 1: NMED 11-19 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	Anyl Suite Code	Analyte Desc	Analyte	Std Result	ResultMedian 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 3	9 45	5/20/2011	2.96	16.2	11.2	45 Mortandad Canyon	Regional Top	R-61 S1	1125	10/18/2019	REG I	F IN	NIT (Geninorg	Perchlorate	CIO4	12.6	1.1 LANL Reg BG LVL	0.414	30.4	0.5	μg/L	10	NQ	NQ	SW-846:6850	GELC	
C4 3	9 45	5/20/2011	2.03	39.1	20	45 Mortandad Canyon	Regional Top	R-61 S1	1125	10/18/2019	REG I	F IN	NIT I	Inorganic	Chromium	Cr	27.1	1 LANL Reg BG LVL	7.48	3.9	3	μg/L	1	NQ	NQ	SW-846:6020B	GELC	
C4 1	24	2/28/2000	10.1	209	179.5	24 Upper Los Alamos Canyon	Regional Top	R-9	683	9/16/2019	REG I	F IN	NIT N	Metals	Barium	Ва	172	1 LANL Reg BG LVL	38.1	4.5	1	μg/L	1	NQ	NQ	SW-846:6010C	GELC	
C4 2	27	2/28/2000	5.59	7.4	6.04	27 Upper Los Alamos Canyon	Regional Top	R-9	683	9/16/2019	REG I	F IN	NIT (Geninorg	Chloride	CI(-1)	6.1	1 LANL Reg BG LVL	2.7	2.3	0.067	mg/L	1	J+	l6b	EPA:300.0	GELC	

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Table 2: NMED 11-19 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	13	16	5/21/2009	1.75	5.9	2.11	3	Upper Los Alamos Canyon	Intermediate	TA-53i	600	9/18/2019	REG	F	INIT	Inorganic	Arsenic	As	5.92	1	Int-Scr_95	2.82	2.1 2	μg/L	1	NQ	NQ	SW-846:6020A	GELC	
XC4scr	14	17	5/21/2009	1	2	1.8	17	Upper Los Alamos Canyon	Intermediate	TA-53i	600.000	9/18/2019	REG	F	INIT	Geninorg	Bromide	Br(-1)	2	1.3	Int-Scr_95	0.1	32. 5 0	0.07 mg/L	1.00	NQ	NQ	EPA:300.0	GELC	
XC4scr	55	57	2/17/2009	0.1	0.2	0.13	13	Mortandad Canyon	Regional Top	R-44 S1	895.000	10/11/2019	REG	F	INIT	Geninorg	Bromide	Br(-1)	0.1	1.1	Reg-Scr_95	0.07	2.1 0	0.07 mg/L	1.0	J J	J_LAB	EPA:300.0	GELC	
XC4scr	55	57	2/17/2009	0	0	0	13	Mortandad Canyon	Regional Top	R-44 S1	895.000	9/12/2019	REG	F	INIT	Geninorg	Bromide	Br(-1)	0.153	1.2	Reg-Scr_95	0.0670	2.3 0	0.07 mg/L	1.00	J J	J_LAB	EPA:300.0	GELC	
XC4scr	40	46	5/20/2011	0.0531	11.	.8 0.652	43	Mortandad Canyon	Regional Top	R-61 S1	1125	10/18/2019	REG	F	INIT	Geninorg	Total Phosphate as Phosphorus	PO4-P	0.353	0.5	Reg-Scr_95	0.0822	4.3 0	0.02 mg/L	1	J+	I4a	EPA:365.4	GELC	
XC4scr	19	24	2/28/2000	39	56	46.2	23	Upper Los Alamos Canyon	Regional Top	R-9	683	9/16/2019	REG	F	INIT	Metals	Boron	В	44.2	1	Reg-Scr_95	18.7	2.4 1	5 μg/L	1	J J	J_LAB	SW-846:6010C	GELC	