



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

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



MAR 25 2019

Dear Mr. Kieling:

Subject: Monthly Notification of Groundwater Data Reviewed in March 2019

This letter is the U.S. Department of Energy (DOE) Office of 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 (Consent Order). Members of EM-LA and N3B met on March 14, 2019, to review groundwater data received in February 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 2018 EPA regional screening levels for tap water, before inclusion of the NMWQCC groundwater standards, published December 21, 2018, and the February 2019 update of Table A-1 of "Risk Assessment Guidance for Site Investigations and Remediation" for NMED tap water screening levels. N3B is updating its data screening software and procedures to incorporate both the updated NMWQCC groundwater standards and the NMED tap water screening levels. Upon completion of the upgrade, N3B will conduct a groundwater data review and resubmit revised reports for those samples collected on or after December 21, 2018, using the updated NMWQCC standards for groundwater and revised NMED screening levels for tap water.

1-Day Notification

There were three 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 Consent Order (based on samples collected since June 14, 2007).

An unfiltered sample and its field duplicate, collected on January 31, 2019, from regional well R-69 screen 1, was measured at 14.4 µg/L and 19.7 µg/L, respectively for Royal Demolition Explosive (RDX), both above the 7.02-µg/L screening level defined in NMED's "Risk Assessment Guidance for Site Investigations and Remediation" for tap water.

An unfiltered sample, collected on February 13, 2019, from regional well R-69 screen 2, was measured at 14.7 µg/L for RDX, above the 7.02-µg/L screening level defined in NMED's "Risk Assessment Guidance for Site Investigations and Remediation" for tap water.

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) 665-5046 (hai.shen@em.doe.gov).

Sincerely,



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

Enclosure:

1. Summary of Groundwater Data Reviewed in March 2019 That Meet Notification Requirements (EM2019-0095)

cc (letter and enclosure[s] emailed):

L. King, EPA Region 6, Dallas, TX
R. Martinez, San Ildefonso Pueblo, NM
D. Chavarria, Santa Clara Pueblo, NM
D. Gomez, Los Alamos County Utility Department, Los Alamos, NM
M. Hunter, NMED
S. Yanicak, NMED
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EM-LA-40AD-00413

SUMMARY OF GROUNDWATER DATA REVIEWED IN MARCH 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 Los Alamos National Laboratory's (the Laboratory's) annual "Interim Facility-Wide Groundwater Monitoring Plan" for the 2019 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 indicated in the tables.

The report includes two tables. Table 1, NMED 02-19 Groundwater Report, presents results since June 14, 2007, that met the five reporting criteria as specified in the 2016 Consent Order. Table 2, NMED 02-19 Groundwater Report Addendum, presents results that are exceeding the 95th percentile of those results in the data set defined in the "Groundwater Background Investigation Report, Revision 5." Only contaminants and other chemical constituents lacking 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 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 2018 EPA regional screening levels for tap water and the NMWQCC groundwater standards and NMED screening levels for tap water published before December 21, 2018.

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

1-Day Notification Requirement

The CA value is used in the Criteria Code column of Table 1. The CA value represents the date that shows 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 water quality standard or MCL in the well screen interval or spring. N3B, under the DOE Office of Environmental Management, 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. Some data met more than one of the notification criteria and 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” (February 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 two through eight in both tables provide summary statistics for metals or 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:

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—sample date

Fld QC Type Code—identifies regular samples (REG) or field duplicates (FD)

Fld Prep Code—identifies whether samples are filtered or unfiltered

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 Qual Code—analytical laboratory qualifiers indicating analytical quality of the sample

Validation Flag—secondary validation qualifier

Validation Reason Code—concatenated secondary validation codes explaining assignment of qualifiers

Anyl Meth Code—analytical method number

Lab Code—analytical laboratory name

Comment—comment on the analytical result

Table 1: NMED 02-19 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	AnyI Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std MDL	Std UOM	Dilution Factor	Lab Qual Code	Validation Flag	Validation Reason Code	AnyI Meth Code	Lab Code	Comment
C1	1	1	2/13/2019	0.372	0.372	0.372	1	Water Canyon	Regional	R-69 S2	1375.5	2/13/2019	REG	UF	INIT	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0	0.372	1	EPA TAP SCRN LVL	39	0	0.086	µg/L	2		NQ	NQ	SW-846:8330B	GELC	New well
C1	1	1	2/13/2019	0.18	0.18	0.18	1	Water Canyon	Regional	R-69 S2	1375.5	2/13/2019	REG	UF	INIT	HEXP	HMX	2691-41-0	0.18	1	NMED A1 TAP SCRN LVL	1000	0	0.086	µg/L	2	J	J	J_LAB	SW-846:8330B	GELC	New well
C1	1	1	2/13/2019	14.7	14.7	14.7	1	Water Canyon	Regional	R-69 S2	1375.5	2/13/2019	REG	UF	DL	HEXP	RDX	121-82-4	14.7	1	NMED A1 TAP SCRN LVL	7.02	2.1	0.215	µg/L	5		NQ	NQ	SW-846:8330B	GELC	New well
C1	1	2	1/31/2019	0.462	0.472	0.467	2	Water Canyon	Regional Top	R-69 S1	1310	1/31/2019	FD	UF	INIT	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0	0.472	1	EPA TAP SCRN LVL	39	0	0.083	µg/L	2		NQ	NQ	SW-846:8330B	GELC	New well
C1	1	2	1/31/2019	0.462	0.472	0.467	2	Water Canyon	Regional Top	R-69 S1	1310	1/31/2019	REG	UF	INIT	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0	0.462	1	EPA TAP SCRN LVL	39	0	0.084	µg/L	2		NQ	NQ	SW-846:8330B	GELC	New well
C1	1	2	1/31/2019	0.307	0.34	0.3235	2	Water Canyon	Regional Top	R-69 S1	1310	1/31/2019	FD	UF	INIT	HEXP	HMX	2691-41-0	0.307	0.9	NMED A1 TAP SCRN LVL	1000	0	0.083	µg/L	2		NQ	NQ	SW-846:8330B	GELC	New well
C1	1	2	1/31/2019	0.307	0.34	0.3235	2	Water Canyon	Regional Top	R-69 S1	1310	1/31/2019	REG	UF	INIT	HEXP	HMX	2691-41-0	0.34	1.1	NMED A1 TAP SCRN LVL	1000	0	0.084	µg/L	2		NQ	NQ	SW-846:8330B	GELC	New well
C1	1	2	1/31/2019	14.4	19.7	17.05	2	Water Canyon	Regional Top	R-69 S1	1310	1/31/2019	FD	UF	DL	HEXP	RDX	121-82-4	19.7	1.2	NMED A1 TAP SCRN LVL	7.02	2.8	0.208	µg/L	5		NQ	NQ	SW-846:8330B	GELC	New well
C1	1	2	1/31/2019	14.4	19.7	17.05	2	Water Canyon	Regional Top	R-69 S1	1310	1/31/2019	REG	UF	DL	HEXP	RDX	121-82-4	14.4	0.8	NMED A1 TAP SCRN LVL	7.02	2.1	0.211	µg/L	5		NQ	NQ	SW-846:8330B	GELC	New well
C2	44	45	2/17/2009	11.9	19.8	12.5	45	Mortandad Canyon	Regional Top	R-44 S1	895	1/22/2019	REG	F	INIT	GENINORG	Calcium	Ca	19.8	1.6	LANL Reg BG LVL	17.03	1.2	0.05	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C2	44	45	2/17/2009	43	72	45.6	45	Mortandad Canyon	Regional Top	R-44 S1	895	1/22/2019	REG	F	INIT	GENINORG	Hardness	HARDNESS	72	1.6	LANL Reg BG LVL	67.1	1.1	0.453	mg/L	1		NQ	NQ	SM:A2340B	GELC	
C2	44	45	2/17/2009	3.25	5.45	3.51	45	Mortandad Canyon	Regional Top	R-44 S1	895	1/22/2019	REG	F	INIT	GENINORG	Magnesium	Mg	5.45	1.6	LANL Reg BG LVL	4.18	1.3	0.11	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C2	44	45	2/17/2009	0.536	4.82	0.9575	18	Mortandad Canyon	Regional Top	R-44 S1	895	1/22/2019	REG	F	INIT	METALS	Nickel	Ni	4.82	5	LANL Reg BG LVL	2.9	1.7	0.6	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C3	54	74	6/15/2005	298	527	404	74	Mortandad Canyon	Intermediate Perched	MCOI-6	686	1/9/2019	REG	F	INIT	GENINORG	Total Dissolved Solids	TDS	527	1.3	NM GW STD	1000	0.5	3.4	mg/L	1		NQ	NQ	EPA:160.1	GELC	
C3	1	1	2/13/2019	14.7	14.7	14.7	1	Water Canyon	Regional	R-69 S2	1375.5	2/13/2019	REG	UF	DL	HEXP	RDX	121-82-4	14.7	1	NMED A1 TAP SCRN LVL	7.02	2.1	0.215	µg/L	5		NQ	NQ	SW-846:8330B	GELC	New well
C3	1	2	1/31/2019	14.4	19.7	17.05	2	Water Canyon	Regional Top	R-69 S1	1310	1/31/2019	FD	UF	DL	HEXP	RDX	121-82-4	19.7	1.2	NMED A1 TAP SCRN LVL	7.02	2.8	0.208	µg/L	5		NQ	NQ	SW-846:8330B	GELC	New well

Table 1: NMED 02-19 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 Qual Code	Validation Flag	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
C3	1	2	1/31/2019	14.4	19.7	17.05	2	Water Canyon	Regional Top	R-69 S1	1310	1/31/2019	REG	UF	DL	HEXP	RDX	121-82-4		0.8	NMED A1 TAP SCRNLVL	7.02	2.1	0.211	µg/L	5		NQ	NQ	SW-846:8330B	GELC	New well
C4	48	53	6/9/2005	14	35.1	17.8	53	Mortandad Canyon	Intermediate Perched	MCOI-5	689	1/11/2019	REG	F	INIT	METALS	Barium	Ba	34.1	1.9	LANL Int BG LVL	13.5	2.5	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	48	53	6/9/2005	16.7	40.6	20.6	53	Mortandad Canyon	Intermediate Perched	MCOI-5	689	1/11/2019	REG	F	INIT	GENINORG	Calcium	Ca	37	1.8	LANL Int BG LVL	10.7	3.5	0.05	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	48	53	6/9/2005	4.89	18.1	7.25	53	Mortandad Canyon	Intermediate Perched	MCOI-5	689	1/11/2019	REG	F	INIT	GENINORG	Chloride	Cl(-1)	18.1	2.5	LANL Int BG LVL	3.11	5.8	0.134	mg/L	2		NQ	NQ	EPA:300.0	GELC	
C4	48	53	6/9/2005	54.4	131	67.7	53	Mortandad Canyon	Intermediate Perched	MCOI-5	689	1/11/2019	REG	F	INIT	GENINORG	Hardness	HARDNESS	123	1.8	LANL Int BG LVL	37.8	3.3	0.453	mg/L	1		NQ	NQ	SM:A2340B	GELC	
C4	48	53	6/9/2005	2.99	7.61	3.93	53	Mortandad Canyon	Intermediate Perched	MCOI-5	689	1/11/2019	REG	F	INIT	GENINORG	Magnesium	Mg	7.47	1.9	LANL Int BG LVL	3.14	2.4	0.11	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	48	53	6/9/2005	3.17	16.8	5.05	53	Mortandad Canyon	Intermediate Perched	MCOI-5	689	1/11/2019	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	14	2.8	LANL Int BG LVL	0.459	30.5	0.17	mg/L	10		NQ	NQ	EPA:353.2	GELC	
C4	48	53	6/9/2005	68.7	239	97.6	53	Mortandad Canyon	Intermediate Perched	MCOI-5	689	1/11/2019	REG	F	INIT	GENINORG	Perchlorate	ClO4	213	2.2	LANL Int BG LVL	0.27	788.9	10	µg/L	200		NQ	NQ	SW-846:6850	GELC	
C4	48	53	6/9/2005	68.6	189	94.2	53	Mortandad Canyon	Intermediate Perched	MCOI-5	689	1/11/2019	REG	F	INIT	METALS	Strontium	Sr	189	2	LANL Int BG LVL	59.6	3.2	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	48	53	6/9/2005	10.1	35.1	14.2	53	Mortandad Canyon	Intermediate Perched	MCOI-5	689	1/11/2019	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	33.2	2.3	LANL Int BG LVL	7.1	4.7	0.266	mg/L	2		NQ	NQ	EPA:300.0	GELC	
C4	54	74	6/15/2005	30.1	48.2	40.2	74	Mortandad Canyon	Intermediate Perched	MCOI-6	686	1/9/2019	REG	F	INIT	METALS	Barium	Ba	38.5	1	LANL Int BG LVL	13.5	2.9	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	54	74	6/15/2005	42.8	75.5	63.4	74	Mortandad Canyon	Intermediate Perched	MCOI-6	686	1/9/2019	REG	F	INIT	GENINORG	Calcium	Ca	59.7	0.9	LANL Int BG LVL	10.7	5.6	0.05	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	54	74	6/15/2005	21.2	64.8	55.05	74	Mortandad Canyon	Intermediate Perched	MCOI-6	686	1/9/2019	REG	F	INIT	GENINORG	Chloride	Cl(-1)	51.4	0.9	LANL Int BG LVL	3.11	16.5	0.67	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C4	54	74	6/15/2005	142	253	212	74	Mortandad Canyon	Intermediate Perched	MCOI-6	686	1/9/2019	REG	F	INIT	GENINORG	Hardness	HARDNESS	200	0.9	LANL Int BG LVL	37.8	5.3	0.453	mg/L	1		NQ	NQ	SM:A2340B	GELC	
C4	54	74	6/15/2005	8.49	15.7	12.9	74	Mortandad Canyon	Intermediate Perched	MCOI-6	686	1/9/2019	REG	F	INIT	GENINORG	Magnesium	Mg	12.5	1	LANL Int BG LVL	3.14	4	0.11	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	54	74	6/15/2005	2.9	41.8	21.8	74	Mortandad Canyon	Intermediate Perched	MCOI-6	686	1/9/2019	REG	F	INIT	METALS	Nickel	Ni	18.8	0.9	LANL Int BG LVL	3.65	5.2	0.6	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	54	74	6/15/2005	7.62	20.4	9.975	74	Mortandad Canyon	Intermediate Perched	MCOI-6	686	1/9/2019	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	12.8	1.3	LANL Int BG LVL	0.459	27.9	0.85	mg/L	50		NQ	NQ	EPA:353.2	GELC	
C4	54	74	6/15/2005	56.3	246	80.3	74	Mortandad Canyon	Intermediate Perched	MCOI-6	686	1/9/2019	REG	F	INIT	GENINORG	Perchlorate	ClO4	109	1.4	LANL Int BG LVL	0.27	403.7	5	µg/L	100		NQ	NQ	SW-846:6850	GELC	
C4	54	74	6/15/2005	196	339	279	74	Mortandad Canyon	Intermediate Perched	MCOI-6	686	1/9/2019	REG	F	INIT	METALS	Strontium	Sr	263	0.9	LANL Int BG LVL	59.6	4.4	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	

Table 1: NMED 02-19 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 Qual Code	Validation Flag	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
C4	54	74	6/15/2005	34.7	77.6	59.6	74	Mortandad Canyon	Intermediate Perched	MCOI-6	686	1/9/2019	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	50.1	0.8	LANL Int BG LVL	7.1	7.1	1.33	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C4	41	55	10/21/2008	56.1	76.7	67.1	55	Sandia Canyon	Intermediate Perched	SCI-2	548	1/16/2019	REG	F	INIT	METALS	Barium	Ba	75.4	1.1	LANL Int BG LVL	13.5	5.6	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	41	55	10/21/2008	59.5	76.3	68	55	Sandia Canyon	Intermediate Perched	SCI-2	548	1/16/2019	REG	F	INIT	GENINORG	Calcium	Ca	70.9	1	LANL Int BG LVL	10.7	6.6	0.05	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	41	53	10/21/2008	53.4	93	66.6	53	Sandia Canyon	Intermediate Perched	SCI-2	548	1/16/2019	REG	F	INIT	GENINORG	Chloride	Cl(-1)	74.4	1.1	LANL Int BG LVL	3.11	23.9	0.67	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C4	41	55	10/21/2008	204	263	235	55	Sandia Canyon	Intermediate Perched	SCI-2	548	1/16/2019	REG	F	INIT	GENINORG	Hardness	HARDNESS	246	1	LANL Int BG LVL	37.8	6.5	0.453	mg/L	1		NQ	NQ	SM:A2340B	GELC	
C4	40	53	10/21/2008	13.1	17.5	15.8	53	Sandia Canyon	Intermediate Perched	SCI-2	548	1/16/2019	REG	F	INIT	GENINORG	Magnesium	Mg	16.7	1.1	LANL Int BG LVL	3.14	5.3	0.11	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	41	55	10/21/2008	14.5	19.6	16.8	55	Sandia Canyon	Intermediate Perched	SCI-2	548	1/16/2019	REG	F	INIT	METALS	Nickel	Ni	15.1	0.9	LANL Int BG LVL	3.65	4.1	0.6	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	41	53	10/21/2008	2.89	5.1	4.19	53	Sandia Canyon	Intermediate Perched	SCI-2	548	1/16/2019	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.3	0.8	LANL Int BG LVL	0.459	7.2	0.17	mg/L	10		NQ	NQ	EPA:353.2	GELC	
C4	41	53	10/21/2008	0.83	1.12	0.962	53	Sandia Canyon	Intermediate Perched	SCI-2	548	1/16/2019	REG	F	INIT	GENINORG	Perchlorate	ClO4	0.97	1	LANL Int BG LVL	0.27	3.6	0.05	µg/L	1		NQ	NQ	SW-846:6850	GELC	
C4	41	55	10/21/2008	264	360	326	55	Sandia Canyon	Intermediate Perched	SCI-2	548	1/16/2019	REG	F	INIT	METALS	Strontium	Sr	334	1	LANL Int BG LVL	59.6	5.6	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	41	53	10/21/2008	77.9	103	88.7	53	Sandia Canyon	Intermediate Perched	SCI-2	548	1/16/2019	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	87.7	1	LANL Int BG LVL	7.1	12.4	1.33	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C4	26	32	3/26/2012	1.64	17.6	9.185	32	Sandia Canyon	Regional	R-62	1158.4	1/23/2019	REG	F	INIT	GENINORG	Chloride	Cl(-1)	17.6	1.9	LANL Reg BG LVL	2.7	6.5	0.335	mg/L	5		NQ	NQ	EPA:300.0	GELC	
C4	26	32	3/26/2012	104	311	154.5	32	Sandia Canyon	Regional	R-62	1158.4	1/23/2019	REG	F	INIT	METALS	Chromium	Cr	311	2	LANL Reg BG LVL	7.48	41.6	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	26	32	3/26/2012	0.0685	2.23	1.3	32	Sandia Canyon	Regional	R-62	1158.4	1/23/2019	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.23	1.7	LANL Reg BG LVL	0.769	2.9	0.085	mg/L	5		J+	I4a	EPA:353.2	GELC	
C4	26	32	3/26/2012	0.719	0.89	0.798	32	Sandia Canyon	Regional	R-62	1158.4	1/23/2019	REG	F	INIT	GENINORG	Perchlorate	ClO4	0.85	1.1	LANL Reg BG LVL	0.414	2.1	0.05	µg/L	1		NQ	NQ	SW-846:6850	GELC	
C4	26	32	3/26/2012	2.56	30.4	16	32	Sandia Canyon	Regional	R-62	1158.4	1/23/2019	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	30.2	1.9	LANL Reg BG LVL	4.59	6.6	0.665	mg/L	5		NQ	NQ	EPA:300.0	GELC	
C4	40	43	11/10/2008	3.37	6.59	4.49	43	Sandia Canyon	Regional Deep	R-43 S2	969.1	1/22/2019	REG	F	INIT	GENINORG	Chloride	Cl(-1)	6.37	1.4	LANL Reg BG LVL	2.7	2.4	0.067	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	40	48	11/10/2008	1.8	25.2	5.715	38	Sandia Canyon	Regional Deep	R-43 S2	969.1	1/22/2019	REG	F	INIT	METALS	Chromium	Cr	24.6	4.3	LANL Reg BG LVL	7.48	3.3	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	40	42	11/10/2008	0.389	5.4	2.135	42	Sandia Canyon	Regional Deep	R-43 S2	969.1	1/22/2019	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.81	1.8	LANL Reg BG LVL	0.769	5	0.17	mg/L	10		NQ	NQ	EPA:353.2	GELC	

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Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth	Start Date	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	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 Qual Code	Validation Flag	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
C4	40	43	11/10/2008	0.411	0.916	0.636	43	Sandia Canyon	Regional Deep	R-43 S2	969.1	1/22/2019	REG	F	INIT	GENINORG	Perchlorate	ClO4	0.877	1.4	LANL Reg BG LVL	0.414	2.1	0.05	µg/L	1		NQ	NQ	SW-846:6850	GELC	
C4	40	43	11/10/2008	3.96	10.1	5.87	43	Sandia Canyon	Regional Deep	R-43 S2	969.1	1/22/2019	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	9.44	1.6	LANL Reg BG LVL	4.59	2.1	0.133	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	44	51	3/5/2009	6.1	47.4	17.7	50	Mortandad Canyon	Regional Deep	R-45 S2	974.9	1/15/2019	REG	F	INIT	METALS	Chromium	Cr	29	1.6	LANL Reg BG LVL	7.48	3.9	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	54	64	5/17/2005	2.27	7.43	5.25	64	Sandia Canyon	Regional Top	R-11	855	1/16/2019	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.11	1	LANL Reg BG LVL	0.769	6.6	0.17	mg/L	10		NQ	NQ	EPA:353.2	GELC	
C4	54	64	5/17/2005	5.95	15.4	9.975	64	Sandia Canyon	Regional Top	R-11	855	1/16/2019	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	10.2	1	LANL Reg BG LVL	4.59	2.2	0.133	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	52	61	2/24/2000	1.35	3.31	2.19	61	Mortandad Canyon	Regional Top	R-15	958.6	1/11/2019	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.3	1.1	LANL Reg BG LVL	0.769	3	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	48	56	5/25/2005	5.34	12.3	7.445	56	Mortandad Canyon	Regional Top	R-15	958.6	1/11/2019	REG	F	INIT	GENINORG	Perchlorate	ClO4	11	1.5	LANL Reg BG LVL	0.414	26.6	0.5	µg/L	10		NQ	NQ	SW-846:6850	GELC	
C4	45	46	8/30/2007	68	389	346	46	Sandia Canyon	Regional Top	R-35a	1013.1	1/16/2019	REG	F	INIT	METALS	Barium	Ba	349	1	LANL Reg BG LVL	38.1	9.2	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	44	45	8/30/2007	5.97	7.31	6.42	45	Sandia Canyon	Regional Top	R-35a	1013.1	1/16/2019	REG	F	INIT	GENINORG	Chloride	Cl(-1)	6.42	1	LANL Reg BG LVL	2.7	2.4	0.067	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	40	46	3/12/2008	4.05	6.83	6.02	46	Sandia Canyon	Regional Top	R-36	766.9	1/18/2019	REG	F	INIT	GENINORG	Chloride	Cl(-1)	6.18	1	LANL Reg BG LVL	2.7	2.3	0.067	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	40	47	3/12/2008	1.25	6.8	2.4	47	Sandia Canyon	Regional Top	R-36	766.9	1/18/2019	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.54	1.1	LANL Reg BG LVL	0.769	3.3	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	39	45	3/12/2008	0.845	1.74	1.55	45	Sandia Canyon	Regional Top	R-36	766.9	1/18/2019	REG	F	INIT	GENINORG	Perchlorate	ClO4	1.42	0.9	LANL Reg BG LVL	0.414	3.4	0.05	µg/L	1		J-	I6a	SW-846:6850	GELC	
C4	41	47	11/5/2008	3.6	9.39	7.03	47	Sandia Canyon	Regional Top	R-43 S1	903.9	1/18/2019	REG	F	INIT	GENINORG	Chloride	Cl(-1)	8.68	1.2	LANL Reg BG LVL	2.7	3.2	0.067	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	41	52	11/5/2008	2.35	200	72.7	49	Sandia Canyon	Regional Top	R-43 S1	903.9	1/18/2019	REG	F	INIT	METALS	Chromium	Cr	199	2.7	LANL Reg BG LVL	7.48	26.6	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	41	46	11/5/2008	4.9	6.15	5.42	45	Sandia Canyon	Regional Top	R-43 S1	903.9	1/18/2019	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.5	1	LANL Reg BG LVL	0.769	7.2	0.85	mg/L	50		NQ	NQ	EPA:353.2	GELC	
C4	41	47	11/5/2008	8.77	21	14.3	47	Sandia Canyon	Regional Top	R-43 S1	903.9	1/18/2019	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	18.1	1.3	LANL Reg BG LVL	4.59	3.9	0.133	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	44	45	2/17/2009	1.99	13.9	2.34	45	Mortandad Canyon	Regional Top	R-44 S1	895	1/22/2019	REG	F	INIT	GENINORG	Chloride	Cl(-1)	13.9	5.9	LANL Reg BG LVL	2.7	5.1	0.134	mg/L	2		NQ	NQ	EPA:300.0	GELC	
C4	44	45	2/17/2009	0.123	2.01	1.115	44	Mortandad Canyon	Regional Top	R-44 S1	895	1/22/2019	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.01	1.8	LANL Reg BG LVL	0.769	2.6	0.17	mg/L	10		NQ	NQ	EPA:353.2	GELC	
C4	44	45	2/17/2009	2.76	13.8	3.38	45	Mortandad Canyon	Regional Top	R-44 S1	895	1/22/2019	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	13.8	4.1	LANL Reg BG LVL	4.59	3	0.133	mg/L	1		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	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 Qual Code	Validation Flag	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
C4	45	51	2/28/2009	8.4	50.7	35.7	51	Mortandad Canyon	Regional Top	R-45 S1	880	1/15/2019	REG	F	INIT	METALS	Chromium	Cr	38.9	1.1	LANL Reg BG LVL	7.48	5.2	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	45	47	2/28/2009	0.256	3.47	2.88	47	Mortandad Canyon	Regional Top	R-45 S1	880	1/15/2019	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.7	0.9	LANL Reg BG LVL	0.769	3.5	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	47	53	3/6/2010	4.68	15.9	8.64	53	Mortandad Canyon	Regional Top	R-50 S1	1077	1/15/2019	REG	F	INIT	GENINORG	Chloride	Cl(-1)	15.9	1.8	LANL Reg BG LVL	2.7	5.9	0.134	mg/L	2		NQ	NQ	EPA:300.0	GELC	
C4	47	55	3/6/2010	49.8	150	103	55	Mortandad Canyon	Regional Top	R-50 S1	1077	1/15/2019	REG	F	INIT	METALS	Chromium	Cr	76.3	0.7	LANL Reg BG LVL	7.48	10.2	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	47	54	3/6/2010	0.398	2.72	1.845	54	Mortandad Canyon	Regional Top	R-50 S1	1077	1/15/2019	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.29	1.2	LANL Reg BG LVL	0.769	3	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	47	53	3/6/2010	7.22	17.6	12.5	53	Mortandad Canyon	Regional Top	R-50 S1	1077	1/15/2019	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	17.6	1.4	LANL Reg BG LVL	4.59	3.8	0.133	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	31	37	5/20/2011	2.03	23.3	19.3	36	Mortandad Canyon	Regional Top	R-61 S1	1125	1/8/2019	FD	F	INIT	METALS	Chromium	Cr	20.2	1	LANL Reg BG LVL	7.48	2.7	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	31	37	5/20/2011	2.03	23.3	19.3	36	Mortandad Canyon	Regional Top	R-61 S1	1125	1/8/2019	REG	F	INIT	METALS	Chromium	Cr	20.6	1.1	LANL Reg BG LVL	7.48	2.8	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	31	37	5/20/2011	0.427	2.64	1.93	37	Mortandad Canyon	Regional Top	R-61 S1	1125	1/8/2019	FD	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.46	1.3	LANL Reg BG LVL	0.769	3.2	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	31	37	5/20/2011	0.427	2.64	1.93	37	Mortandad Canyon	Regional Top	R-61 S1	1125	1/8/2019	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.32	1.2	LANL Reg BG LVL	0.769	3	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	30	36	5/20/2011	2.96	16.2	9.855	36	Mortandad Canyon	Regional Top	R-61 S1	1125	1/8/2019	FD	F	INIT	GENINORG	Perchlorate	ClO4	15.7	1.6	LANL Reg BG LVL	0.414	37.9	1	µg/L	20		NQ	NQ	SW-846:6850	GELC	
C4	30	36	5/20/2011	2.96	16.2	9.855	36	Mortandad Canyon	Regional Top	R-61 S1	1125	1/8/2019	REG	F	INIT	GENINORG	Perchlorate	ClO4	15.7	1.6	LANL Reg BG LVL	0.414	37.9	1	µg/L	20		NQ	NQ	SW-846:6850	GELC	
CA	1	1	2/13/2019	14.7	14.7	14.7	1	Water Canyon	Regional	R-69 S2	1375.5	2/13/2019	REG	UF	DL	HEXP	RDX	121-82-4	14.7	1	NMED A1 TAP SCRNLVL	7.02	2.1	0.215	µg/L	5		NQ	NQ	SW-846:8330B	GELC	New well
CA	1	2	1/31/2019	14.4	19.7	17.05	2	Water Canyon	Regional Top	R-69 S1	1310	1/31/2019	FD	UF	DL	HEXP	RDX	121-82-4	19.7	1.2	NMED A1 TAP SCRNLVL	7.02	2.8	0.208	µg/L	5		NQ	NQ	SW-846:8330B	GELC	New well
CA	1	2	1/31/2019	14.4	19.7	17.05	2	Water Canyon	Regional Top	R-69 S1	1310	1/31/2019	REG	UF	DL	HEXP	RDX	121-82-4	14.4	0.8	NMED A1 TAP SCRNLVL	7.02	2.1	0.211	µg/L	5		NQ	NQ	SW-846:8330B	GELC	New well

Table 2: NMED 02-19 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 Qual Code	Validation Flag	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
XC2scr	54	74	38518	1.58	3.64	2	9	Mortandad Canyon	Intermediate Perched	MCOI-6	686	1/9/2019	REG	F	INIT	METALS	Arsenic	As	3.64	1.8	Int-Scr_95	2.82	1.3	2	µg/L	1	J	J	J_LAB	SW-846:6020	GELC	
XC2scr	26	32	40994	2.96	17.8	3.545	6	Sandia Canyon	Regional	R-62	1158.4	1/23/2019	REG	F	INIT	METALS	Tin	Sn	17.8	5	Reg-Scr_95	13	1.4	2.5	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
XC2scr	13	15	42341	1.82	3.72	2.2	12	Sandia Canyon	Regional	R-67	1242.6	1/9/2019	FD	F	INIT	METALS	Arsenic	As	3.47	1.6	Reg-Scr_95	2.7	1.3	2	µg/L	1	J	J	J_LAB	SW-846:6020	GELC	
XC2scr	13	15	42341	1.82	3.72	2.2	12	Sandia Canyon	Regional	R-67	1242.6	1/9/2019	REG	F	INIT	METALS	Arsenic	As	3.72	1.7	Reg-Scr_95	2.7	1.4	2	µg/L	1	J	J	J_LAB	SW-846:6020	GELC	
XC2scr	52	60	36580	1.62	1.62	1.62	1	Mortandad Canyon	Regional Top	R-15	958.6	1/11/2019	REG	F	INIT	METALS	Cobalt	Co	1.62	1	Reg-Scr_95	1	1.6	1	µg/L	1	J	J	J_LAB	SW-846:6010C	GELC	
XC4scr	48	53	38512	0.083	0.242	0.14	47	Mortandad Canyon	Intermediate Perched	MCOI-5	689	1/11/2019	REG	F	INIT	GENINORG	Bromide	Br(-1)	0.237	1.7	Int-Scr_95	0.0716	3.3	0.067	mg/L	1		NQ	NQ	EPA:300.0	GELC	
XC4scr	54	74	38518	25.4	56	46.7	74	Mortandad Canyon	Intermediate Perched	MCOI-6	686	1/9/2019	REG	F	INIT	METALS	Boron	B	54.2	1.2	Int-Scr_95	16.2	3.3	15	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
XC4scr	54	74	38518	0.212	0.703	0.574	71	Mortandad Canyon	Intermediate Perched	MCOI-6	686	1/9/2019	REG	F	INIT	GENINORG	Bromide	Br(-1)	0.494	0.9	Int-Scr_95	0.0716	6.9	0.067	mg/L	1		NQ	NQ	EPA:300.0	GELC	
XC4scr	54	77	38518	29.4	86.6	59.6	77	Mortandad Canyon	Intermediate Perched	MCOI-6	686	1/9/2019	REG	F	INIT	METALS	Chromium	Cr	68.2	1.1	Int-Scr_95	2.72	25.1	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
XC4scr	54	74	38518	298	527	404	74	Mortandad Canyon	Intermediate Perched	MCOI-6	686	1/9/2019	REG	F	INIT	GENINORG	Total Dissolved Solids	TDS	527	1.3	Int-Scr_95	135	3.9	3.4	mg/L	1		NQ	NQ	EPA:160.1	GELC	
XC4scr	41	53	39742	0.194	0.846	0.601	52	Sandia Canyon	Intermediate Perched	SCI-2	548	1/16/2019	REG	F	INIT	GENINORG	Bromide	Br(-1)	0.846	1.4	Int-Scr_95	0.0716	11.8	0.067	mg/L	1		NQ	NQ	EPA:300.0	GELC	
XC4scr	41	60	39742	294	658	443.5	60	Sandia Canyon	Intermediate Perched	SCI-2	548	1/16/2019	REG	F	INIT	METALS	Chromium	Cr	300	0.7	Int-Scr_95	2.72	110.3	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
XC4scr	26	32	40029	0.00449	0.00983	0.006755	32	Sandia Canyon	Intermediate Perched	SCI-2	548	1/16/2019	REG	UF	INIT	INORGANIC	Cyanide (Total)	CN(TOTAL)	0.00462	0.7	Int-Scr_95	0.0017	2.7	0.0017	mg/L	1	J	J	J_LAB	EPA:335.4	GELC	
XC4scr	41	54	39742	354	796	425	54	Sandia Canyon	Intermediate Perched	SCI-2	548	1/16/2019	REG	F	INIT	GENINORG	Total Dissolved Solids	TDS	487	1.1	Int-Scr_95	135	3.6	3.4	mg/L	1		NQ	NQ	EPA:160.1	GELC	
XC4scr	31	37	40683	0.0531	11.8	0.765	34	Mortandad Canyon	Regional Top	R-61 S1	1125	1/8/2019	FD	F	INIT	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.416	0.5	Reg-Scr_95	0.0822	5.1	0.02	mg/L	1		NQ	NQ	EPA:365.4	GELC	
XC4scr	31	37	40683	0.0531	11.8	0.765	34	Mortandad Canyon	Regional Top	R-61 S1	1125	1/8/2019	REG	F	INIT	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.44	0.6	Reg-Scr_95	0.0822	5.4	0.02	mg/L	1		NQ	NQ	EPA:365.4	GELC	