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Date: JUL 20 2018
Refer To: N3B-18-0147

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

Subject: Monthly Notification of Groundwater Data Reviewed in July 2018

Dear Mr. Kieling:

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 July 12, 2018, to review groundwater data received in June 2018 in accordance with Section XXVI.C of the 2016 Consent Order. 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), 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. This report was prepared using the May 2018 EPA regional screening levels for tap water.

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 been previously detected above the respective standard (based on samples collected since June 14, 2007).

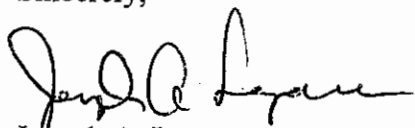
One-day notification was not required because there were no cases of a contaminant detected in a well screen interval or spring at a concentration that exceeded a water quality standard for the first time.

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.

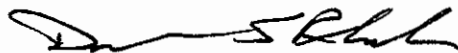
If you have questions, please contact Steve Veenis at (505) 309-1362 (steve.veenis@em-la.doe.gov) or Hai Shen at (505) 665-5046 (hai.shen@em.doe.gov).

Sincerely,



Joseph A. Legare
Program Manager
Environmental Remediation Program

Sincerely,



David S. Rhodes, Director
Office of Quality and Regulatory Compliance
Environmental Management
Los Alamos Field Office

JL/DR/SV/HS:md

Enclosure(s): Two hard copies with electronic files – Summary of Groundwater Data Reviewed in July 2018 That Meet Notification Requirements (EM2018-0020)

Cy: (letter and enclosure[s] emailed)
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Laurie King, EPA Region 6, Dallas, TX
Michelle Hunter, NMED-GWQB
Steve Yanicak, NMED-DOE-OB, LANL MS M894
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SUMMARY OF GROUNDWATER DATA REVIEWED IN JULY 2018 THAT MEET NOTIFICATION REQUIREMENTS

INTRODUCTION

This report provides information to the New Mexico Environment Department (NMED) concerning recent groundwater monitoring data obtained by Los Alamos National Laboratory (the Laboratory) under its annual “Interim Facility-Wide Groundwater Monitoring Plan” for the 2018 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). During the third quarter of fiscal year 2018, this work transitioned from the Laboratory, under the U.S. Department of Energy (DOE) National Nuclear Security Administration, to Newport News Nuclear BWXT – Los Alamos, LLC (N3B), under the DOE Office of Environmental Management. 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 06-18 Groundwater Report, presents results since June 14, 2007, that met the five reporting criteria as specified in the 2016 Consent Order. Table 2, NMED 06-18 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 Consent Order. This report was prepared using the May 2018 EPA regional screening levels for tap water.

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. 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” (March 2017 or updates, as appropriate), 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 two 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 06-18 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	45	50	6/9/2005	14	35.1	16.9	50	Mortandad Canyon	Intermediate Perched	MCOI-5	689.04	5/10/2018	REG	F	INIT	Metals	Barium	Ba	35.1	2.1	LANL Int BG LVL	13.5	2.6	1	µg/L	1	NQ	NQ	SW-846:6010C	GELC	Highest to date.	
C4	45	50	6/9/2005	16.7	40.6	20.5	50	Mortandad Canyon	Intermediate Perched	MCOI-5	689.04	5/10/2018	REG	F	INIT	GENINORG	Calcium	Ca	39.4	1.9	LANL Int BG LVL	10.7	3.7	0.05	mg/L	1	NQ	NQ	SW-846:6010C	GELC		
C4	45	50	6/9/2005	4.89	15.7	7.005	50	Mortandad Canyon	Intermediate Perched	MCOI-5	689.04	5/10/2018	REG	F	INIT	GENINORG	Chloride	Cl(-1)	15.7	2.2	LANL Int BG LVL	3.11	5	0.13	mg/L	2	NQ	NQ	EPA:300.0	GELC	Highest to date.	
C4	45	50	6/9/2005	54.4	131	67.15	50	Mortandad Canyon	Intermediate Perched	MCOI-5	689.04	5/10/2018	REG	F	INIT	GENINORG	Hardness	HARDNESS	128	1.9	LANL Int BG LVL	37.8	3.4	0.45	mg/L	1	NQ	NQ	SM:A2340B	GELC		
C4	45	50	6/9/2005	2.99	7.32	3.9	50	Mortandad Canyon	Intermediate Perched	MCOI-5	689.04	5/10/2018	REG	F	INIT	GENINORG	Magnesium	Mg	7.08	1.8	LANL Int BG LVL	3.14	2.3	0.11	mg/L	1	NQ	NQ	SW-846:6010C	GELC		
C4	45	50	6/9/2005	3.17	16.8	4.875	50	Mortandad Canyon	Intermediate Perched	MCOI-5	689.04	5/10/2018	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	16.8	3.4	LANL Int BG LVL	0.459	36.6	0.43	mg/L	25	NQ	NQ	EPA:353.2	GELC	Highest to date.	
C4	45	50	6/9/2005	68.7	228	95.95	50	Mortandad Canyon	Intermediate Perched	MCOI-5	689.04	5/10/2018	REG	F	INIT	GENINORG	Perchlorate	ClO4	223	2.3	LANL Int BG LVL	0.27	826	10	µg/L	200	NQ	NQ	SW-846:6850	GELC		
C4	45	50	6/9/2005	68.6	184	93.75	50	Mortandad Canyon	Intermediate Perched	MCOI-5	689.04	5/10/2018	REG	F	INIT	Metals	Strontium	Sr	183	2	LANL Int BG LVL	59.6	3.1	1	µg/L	1	NQ	NQ	SW-846:6010C	GELC		
C4	45	50	6/9/2005	10.1	35.1	14.1	50	Mortandad Canyon	Intermediate Perched	MCOI-5	689.04	5/10/2018	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	35.1	2.5	LANL Int BG LVL	7.1	4.9	0.27	mg/L	2	NQ	NQ	EPA:300.0	GELC	Highest to date.	
C4	51	71	6/15/2005	30.1	48.2	40.3	71	Mortandad Canyon	Intermediate Perched	MCOI-6	686	5/10/2018	REG	F	INIT	Metals	Barium	Ba	38	0.9	LANL Int BG LVL	13.5	2.8	1	µg/L	1	NQ	NQ	SW-846:6010C	GELC		
C4	51	71	6/15/2005	42.8	75.5	63.8	71	Mortandad Canyon	Intermediate Perched	MCOI-6	686	5/10/2018	REG	F	INIT	GENINORG	Calcium	Ca	59.3	0.9	LANL Int BG LVL	10.7	5.5	0.05	mg/L	1	NQ	NQ	SW-846:6010C	GELC		
C4	51	71	6/15/2005	21.2	64.8	55.5	71	Mortandad Canyon	Intermediate Perched	MCOI-6	686	5/10/2018	REG	F	INIT	GENINORG	Chloride	Cl(-1)	53.1	1	LANL Int BG LVL	3.11	17.1	0.67	mg/L	10	NQ	NQ	EPA:300.0	GELC		
C4	51	71	6/15/2005	0.412	0.635	0.525	68	Mortandad Canyon	Intermediate Perched	MCOI-6	686	5/10/2018	REG	F	INIT	GENINORG	Fluoride	F(-1)	0.491	0.9	LANL Int BG LVL	0.234	2.1	0.03	mg/L	1	NQ	NQ	EPA:300.0	GELC		
C4	51	71	6/15/2005	142	253	212	71	Mortandad Canyon	Intermediate Perched	MCOI-6	686	5/10/2018	REG	F	INIT	GENINORG	Hardness	HARDNESS	199	0.9	LANL Int BG LVL	37.8	5.3	0.45	mg/L	1	NQ	NQ	SM:A2340B	GELC		
C4	51	71	6/15/2005	8.49	15.7	13	71	Mortandad Canyon	Intermediate Perched	MCOI-6	686	5/10/2018	REG	F	INIT	GENINORG	Magnesium	Mg	12.3	0.9	LANL Int BG LVL	3.14	3.9	0.11	mg/L	1	NQ	NQ	SW-846:6010C	GELC		
C4	51	71	6/15/2005	2.9	41.8	23.2	71	Mortandad Canyon	Intermediate Perched	MCOI-6	686	5/10/2018	REG	F	INIT	Metals	Nickel	Ni	28.5	1.2	LANL Int BG LVL	3.65	7.8	0.6	µg/L	1	NQ	NQ	SW-846:6020	GELC		
C4	51	71	6/15/2005	7.62	20.4	9.73	71	Mortandad Canyon	Intermediate Perched	MCOI-6	686	5/10/2018	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	10.8	1.1	LANL Int BG LVL	0.459	23.5	0.43	mg/L	25	NQ	NQ	EPA:353.2	GELC		
C4	51	71	6/15/2005	56.3	246	79.1	71	Mortandad Canyon	Intermediate Perched	MCOI-6	686	5/10/2018	REG	F	INIT	GENINORG	Perchlorate	ClO4	85.7	1.1	LANL Int BG LVL	0.27	317	5	µg/L	100	NQ	NQ	SW-846:6850	GELC		
C4	51	71	6/15/2005	196	339	282	71	Mortandad Canyon	Intermediate Perched	MCOI-6	686	5/10/2018	REG	F	INIT	Metals	Strontium	Sr	269	1	LANL Int BG LVL	59.6	4.5	1	µg/L	1	NQ	NQ	SW-846:6010C	GELC		

Table 1: NMED 06-18 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth	Start Date	Fid OC 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	51	71	6/15/2005	34.7	77.6	59.6	71	Mortandad Canyon	Intermediate Perched	MCOI-6	686	5/10/2018	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	53.2	0.9	LANL Int BG LVL	7.1	7.5	1.33	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C4	31	32	1/11/2007	30	51.3	37.45	32	Sandia Canyon	Intermediate Perched	SCI-1	358.4	5/9/2018	REG	F	INIT	Metals	Barium	Ba	35.1	0.9	LANL Int BG LVL	13.5	2.6	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	31	32	1/11/2007	54.5	87.6	69.4	32	Sandia Canyon	Intermediate Perched	SCI-1	358.4	5/9/2018	REG	F	INIT	GENINORG	Calcium	Ca	55.2	0.8	LANL Int BG LVL	10.7	5.2	0.05	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	31	32	1/11/2007	80.5	124	92.1	32	Sandia Canyon	Intermediate Perched	SCI-1	358.4	5/9/2018	REG	F	INIT	GENINORG	Chloride	Cl(-1)	107	1.2	LANL Int BG LVL	3.11	34.4	1.34	mg/L	20		NQ	NQ	EPA:300.0	GELC	
C4	31	32	1/11/2007	170	270	215.5	32	Sandia Canyon	Intermediate Perched	SCI-1	358.4	5/9/2018	REG	F	INIT	GENINORG	Hardness	HARDNESS	173	0.8	LANL Int BG LVL	37.8	4.6	0.45	mg/L	1		NQ	NQ	SM:A2340B	GELC	
C4	31	32	1/11/2007	8.3	13	10.35	32	Sandia Canyon	Intermediate Perched	SCI-1	358.4	5/9/2018	REG	F	INIT	GENINORG	Magnesium	Mg	8.45	0.8	LANL Int BG LVL	3.14	2.7	0.11	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	31	32	1/11/2007	44.9	97	75.15	32	Sandia Canyon	Intermediate Perched	SCI-1	358.4	5/9/2018	REG	F	INIT	Metals	Molybdenum	Mo	67	0.9	LANL Int BG LVL	2.9	23.1	0.2	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	31	32	1/11/2007	0.247	4.99	2.24	32	Sandia Canyon	Intermediate Perched	SCI-1	358.4	5/9/2018	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.59	0.7	LANL Int BG LVL	0.459	3.5	0.09	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	31	32	1/11/2007	0.613	1.58	0.9415	32	Sandia Canyon	Intermediate Perched	SCI-1	358.4	5/9/2018	REG	F	INIT	GENINORG	Perchlorate	ClO4	0.672	0.7	LANL Int BG LVL	0.27	2.5	0.05	µg/L	1		NQ	NQ	SW-846:6850	GELC	
C4	31	32	1/11/2007	50.7	65.1	55.85	32	Sandia Canyon	Intermediate Perched	SCI-1	358.4	5/9/2018	REG	F	INIT	GENINORG	Sodium	Na	59.4	1.1	LANL Int BG LVL	18.2	3.3	0.1	mg/L	1	E	NQ	NQ	SW-846:6010C	GELC	
C4	31	32	1/11/2007	237	383	311.5	32	Sandia Canyon	Intermediate Perched	SCI-1	358.4	5/9/2018	REG	F	INIT	Metals	Strontium	Sr	244	0.8	LANL Int BG LVL	59.6	4.1	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	31	32	1/11/2007	42	112	88.15	32	Sandia Canyon	Intermediate Perched	SCI-1	358.4	5/9/2018	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	43.6	0.5	LANL Int BG LVL	7.1	6.1	2.66	mg/L	20		NQ	NQ	EPA:300.0	GELC	
C4	38	52	10/21/2008	56.1	76.7	66.55	52	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	FD	F	INIT	Metals	Barium	Ba	72	1.1	LANL Int BG LVL	13.5	5.3	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	38	52	10/21/2008	56.1	76.7	66.55	52	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	REG	F	INIT	Metals	Barium	Ba	74.3	1.1	LANL Int BG LVL	13.5	5.5	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	38	52	10/21/2008	59.5	76.3	67.95	52	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	FD	F	INIT	GENINORG	Calcium	Ca	68.3	1	LANL Int BG LVL	10.7	6.4	0.05	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	38	52	10/21/2008	59.5	76.3	67.95	52	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	REG	F	INIT	GENINORG	Calcium	Ca	69.6	1	LANL Int BG LVL	10.7	6.5	0.05	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	38	50	10/21/2008	53.4	93	65.75	50	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	FD	F	INIT	GENINORG	Chloride	Cl(-1)	71.9	1.1	LANL Int BG LVL	3.11	23.1	0.67	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C4	38	50	10/21/2008	53.4	93	65.75	50	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	REG	F	INIT	GENINORG	Chloride	Cl(-1)	72.5	1.1	LANL Int BG LVL	3.11	23.3	0.67	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C4	38	52	10/21/2008	204	263	234	52	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	FD	F	INIT	GENINORG	Hardness	HARDNESS	236	1	LANL Int BG LVL	37.8	6.2	0.45	mg/L	1		NQ	NQ	SM:A2340B	GELC	

Table 1: NMED 06-18 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth	Start Date	Fid OC Type Code	Fid Prep Code	Lab Sample Type Code	Amyl 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	Amyl Meth Code	Lab Code	Comment
C4	38	52	10/21/2008	204	263	234	52	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	REG	F	INIT	GENINORG	Hardness	HARDNESS	241	1	LANL Int BG LVL	37.8	6.4	0.45	mg/L	1		NQ	NQ	SM:A2340B	GELC	
C4	37	50	10/21/2008	13.1	17.5	15.65	50	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	FD	F	INIT	GENINORG	Magnesium	Mg	15.9	1	LANL Int BG LVL	3.14	5.1	0.11	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	37	50	10/21/2008	13.1	17.5	15.65	50	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	REG	F	INIT	GENINORG	Magnesium	Mg	16.3	1	LANL Int BG LVL	3.14	5.2	0.11	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	38	52	10/21/2008	14.5	19.6	16.85	52	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	FD	F	INIT	Metals	Nickel	Ni	16.1	1	LANL Int BG LVL	3.65	4.4	0.6	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	38	52	10/21/2008	14.5	19.6	16.85	52	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	REG	F	INIT	Metals	Nickel	Ni	16.2	1	LANL Int BG LVL	3.65	4.4	0.6	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	38	50	10/21/2008	2.89	5.1	4.2	50	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	FD	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.84	0.9	LANL Int BG LVL	0.459	8.4	0.17	mg/L	10		NQ	NQ	EPA:353.2	GELC	
C4	38	50	10/21/2008	2.89	5.1	4.2	50	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.85	0.9	LANL Int BG LVL	0.459	8.4	0.17	mg/L	10		NQ	NQ	EPA:353.2	GELC	
C4	38	50	10/21/2008	0.83	1.12	0.967	50	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	FD	F	INIT	GENINORG	Perchlorate	ClO4	0.862	0.9	LANL Int BG LVL	0.27	3.2	0.05	µg/L	1		NQ	NQ	SW-846:6850	GELC	
C4	38	50	10/21/2008	0.83	1.12	0.967	50	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	REG	F	INIT	GENINORG	Perchlorate	ClO4	0.83	0.9	LANL Int BG LVL	0.27	3.1	0.05	µg/L	1		NQ	NQ	SW-846:6850	GELC	
C4	38	52	10/21/2008	264	360	326	52	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	FD	F	INIT	Metals	Strontium	Sr	329	1	LANL Int BG LVL	59.6	5.5	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	38	52	10/21/2008	264	360	326	52	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	REG	F	INIT	Metals	Strontium	Sr	336	1	LANL Int BG LVL	59.6	5.6	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	38	50	10/21/2008	77.9	103	88.7	50	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	FD	F	INIT	GENINORG	Sulfate	SO4(-2)	87.9	1	LANL Int BG LVL	7.1	12.4	1.33	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C4	38	50	10/21/2008	77.9	103	88.7	50	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	88	1	LANL Int BG LVL	7.1	12.4	1.33	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C4	24	30	3/26/2012	1.64	16.3	8.96	30	Sandia Canyon	Regional	R-62	1158.4	5/22/2018	REG	F	INIT	GENINORG	Chloride	Cl(-1)	16.3	1.8	LANL Reg BG LVL	2.7	6	0.13	mg/L	2		NQ	NQ	EPA:300.0	GELC	
C4	24	30	3/26/2012	104	272	147.5	30	Sandia Canyon	Regional	R-62	1158.4	5/22/2018	REG	F	INIT	Metals	Chromium	Cr	236	1.6	LANL Reg BG LVL	7.48	31.6	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	24	30	3/26/2012	2.56	28.6	15.4	30	Sandia Canyon	Regional	R-62	1158.4	5/22/2018	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	28.5	1.9	LANL Reg BG LVL	4.59	6.2	0.27	mg/L	2	J+	I4a	EPA:300.0	GELC		
C4	37	40	11/10/2008	3.37	6.3	4.235	40	Sandia Canyon	Regional Deep	R-43 S2	969.1	5/17/2018	REG	F	INIT	GENINORG	Chloride	Cl(-1)	6.19	1.5	LANL Reg BG LVL	2.7	2.3	0.07	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	37	45	11/10/2008	1.8	21.5	5.53	35	Sandia Canyon	Regional Deep	R-43 S2	969.1	5/17/2018	REG	F	INIT	Metals	Chromium	Cr	21.5	3.9	LANL Reg BG LVL	7.48	2.9	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	Highest to date, increasing trend
C4	37	39	11/10/2008	0.389	5.4	1.89	39	Sandia Canyon	Regional Deep	R-43 S2	969.1	5/17/2018	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.63	1.9	LANL Reg BG LVL	0.769	4.7	0.17	mg/L	10		NQ	NQ	EPA:353.2	GELC	

Table 1: NMED 06-18 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth	Start Date	Fid OC Type Code	Fid Prep Code	Lab Sample Type Code	Amyl 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	Amyl Meth Code	Lab Code	Comment
C4	37	40	11/10/2008	0.411	0.892	0.603	40	Sandia Canyon	Regional Deep	R-43 S2	969.1	5/17/2018	REG	F	INIT	GENINORG	Perchlorate	ClO4	0.875	1.5	LANL Reg BG LVL	0.414	2.1	0.05	µg/L	1		NQ	NQ	SW-846:6850	GELC	
C4	36	43	3/5/2009	6.1	47.4	15.95	42	Mortandad Canyon	Regional Deep	R-45 S2	974.9	5/16/2018	REG	F	INIT	Metals	Chromium	Cr	23.2	1.5	LANL Reg BG LVL	7.48	3.1	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	52	61	5/17/2005	2.27	7.43	5.23	61	Sandia Canyon	Regional Top	R-11	855	5/18/2018	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.43	1	LANL Reg BG LVL	0.769	7.1	0.43	mg/L	25		NQ	NQ	EPA:353.2	GELC	
C4	52	61	5/17/2005	5.95	15.4	9.56	61	Sandia Canyon	Regional Top	R-11	855	5/18/2018	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	10.5	1.1	LANL Reg BG LVL	4.59	2.3	0.13	mg/L	1		J+	I4a	EPA:300.0	GELC	
C4	49	57	2/24/2000	1.35	3.31	2.19	57	Mortandad Canyon	Regional Top	R-15	958.6	5/14/2018	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.07	0.9	LANL Reg BG LVL	0.769	2.7	0.09	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	45	52	5/25/2005	5.34	11.3	7.255	52	Mortandad Canyon	Regional Top	R-15	958.6	5/14/2018	REG	F	INIT	GENINORG	Perchlorate	ClO4	11.3	1.6	LANL Reg BG LVL	0.414	27.3	0.5	µg/L	10		NQ	NQ	SW-846:6850	GELC	Highest to date, increasing trend
C4	40	41	8/30/2007	68	389	346	41	Sandia Canyon	Regional Top	R-35a	1013.1	5/11/2018	REG	F	INIT	Metals	Barium	Ba	337	1	LANL Reg BG LVL	38.1	8.8	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	39	40	8/30/2007	5.97	7.31	6.42	40	Sandia Canyon	Regional Top	R-35a	1013.1	5/11/2018	REG	F	INIT	GENINORG	Chloride	Cl(-1)	6.52	1	LANL Reg BG LVL	2.7	2.4	0.07	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	40	41	8/30/2007	1.2	22.2	7.65	40	Sandia Canyon	Regional Top	R-35a	1013.1	5/11/2018	REG	F	INIT	Metals	Nickel	Ni	7.83	1	LANL Reg BG LVL	2.9	2.7	0.6	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	37	42	3/12/2008	4.05	6.83	5.97	42	Sandia Canyon	Regional Top	R-36	766.9	5/11/2018	REG	F	INIT	GENINORG	Chloride	Cl(-1)	6.11	1	LANL Reg BG LVL	2.7	2.3	0.07	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	37	43	3/12/2008	1.25	6.8	2.4	43	Sandia Canyon	Regional Top	R-36	766.9	5/11/2018	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.46	1	LANL Reg BG LVL	0.769	3.2	0.09	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	36	41	3/12/2008	0.845	1.74	1.55	41	Sandia Canyon	Regional Top	R-36	766.9	5/11/2018	REG	F	INIT	GENINORG	Perchlorate	ClO4	1.3	0.8	LANL Reg BG LVL	0.414	3.1	0.05	µg/L	1		NQ	NQ	SW-846:6850	GELC	
C4	38	43	11/5/2008	3.6	9.39	6.96	43	Sandia Canyon	Regional Top	R-43 S1	903.9	5/21/2018	REG	F	INIT	GENINORG	Chloride	Cl(-1)	8.67	1.2	LANL Reg BG LVL	2.7	3.2	0.07	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	38	48	11/5/2008	2.35	187	69.9	45	Sandia Canyon	Regional Top	R-43 S1	903.9	5/21/2018	REG	F	INIT	Metals	Chromium	Cr	187	2.7	LANL Reg BG LVL	7.48	25	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	Highest to date, increasing trend
C4	38	42	11/5/2008	4.9	6.15	5.42	41	Sandia Canyon	Regional Top	R-43 S1	903.9	5/21/2018	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.1	0.9	LANL Reg BG LVL	0.769	6.6	0.09	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	38	43	11/5/2008	8.77	21	13.5	43	Sandia Canyon	Regional Top	R-43 S1	903.9	5/21/2018	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	17.6	1.3	LANL Reg BG LVL	4.59	3.8	0.13	mg/L	1		J+	I4a	EPA:300.0	GELC	
C4	37	39	2/28/2009	3	6.7	4.79	39	Mortandad Canyon	Regional Top	R-45 S1	880	5/16/2018	REG	F	INIT	GENINORG	Chloride	Cl(-1)	5.92	1.2	LANL Reg BG LVL	2.7	2.2	0.07	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	37	43	2/28/2009	8.4	50.7	29.3	43	Mortandad Canyon	Regional Top	R-45 S1	880	5/16/2018	REG	F	INIT	Metals	Chromium	Cr	45.9	1.6	LANL Reg BG LVL	7.48	6.1	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	37	39	2/28/2009	0.256	3.47	2.86	39	Mortandad Canyon	Regional Top	R-45 S1	880	5/16/2018	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.11	1.1	LANL Reg BG LVL	0.769	4	0.09	mg/L	5		NQ	NQ	EPA:353.2	GELC	

Table 1: NMED 06-18 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth	Start Date	Fid OC 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
C4	39	45	3/6/2010	4.68	10.1	8.13	45	Mortandad Canyon	Regional Top	R-50 S1	1077	5/14/2018	REG	F	INIT	GENINORG	Chloride	Cl(-1)	9.73	1.2	LANL Reg BG LVL	2.7	3.6	0.13	mg/L	2		NQ	NQ	EPA:300.0	GELC	
C4	39	47	3/6/2010	49.8	150	103	47	Mortandad Canyon	Regional Top	R-50 S1	1077	5/14/2018	REG	F	INIT	Metals	Chromium	Cr	135	1.3	LANL Reg BG LVL	7.48	18	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	39	46	3/6/2010	0.398	2.72	1.805	46	Mortandad Canyon	Regional Top	R-50 S1	1077	5/14/2018	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.21	1.2	LANL Reg BG LVL	0.769	2.9	0.09	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	39	45	3/6/2010	7.22	14.9	12	45	Mortandad Canyon	Regional Top	R-50 S1	1077	5/14/2018	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	14.8	1.2	LANL Reg BG LVL	4.59	3.2	0.13	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	23	27	5/20/2011	2.03	23.3	19.75	26	Mortandad Canyon	Regional Top	R-61 S1	1125	5/17/2018	REG	F	INIT	Metals	Chromium	Cr	21.8	1.1	LANL Reg BG LVL	7.48	2.9	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	23	27	5/20/2011	0.427	2.31	1.88	27	Mortandad Canyon	Regional Top	R-61 S1	1125	5/17/2018	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.93	1	LANL Reg BG LVL	0.769	2.5	0.09	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	22	26	5/20/2011	2.96	12.1	8.5	26	Mortandad Canyon	Regional Top	R-61 S1	1125	5/17/2018	REG	F	INIT	GENINORG	Perchlorate	ClO4	11.9	1.4	LANL Reg BG LVL	0.414	28.7	0.5	µg/L	10		NQ	NQ	SW-846:6850	GELC	
C5	38	48	11/5/2008	2.35	187	69.9	45	Sandia Canyon	Regional Top	R-43 S1	903.9	5/21/2018	REG	F	INIT	Metals	Chromium	Cr	187	2.7	NM GW STD	50	3.7	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	Highest to date, increasing trend

Table 2: NMED 06-18 Groundwater Report Addendum

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
XC4scr	45	50	6/9/2005	0.083	0.242	0.138	44	Mortandad Canyon	Intermediate Perched	MCOI-5	689.04	5/10/2018	REG	F	INIT	GENINORG	Bromide	Br(-1)	0.242	1.8	Int-Scr_95	0.0716	3.4	0.07	mg/L	1		NQ	NQ	EPA:300.0	GELC	
XC4scr	36	40	1/27/2006	0.0019	0.0078	0.0038	9	Mortandad Canyon	Intermediate Perched	MCOI-5	689.04	5/10/2018	REG	UF	INIT	Inorganic	Cyanide (Total)	CN (Total)	0.00637	1.7	Int-Scr_95	0.0017	3.7	0	mg/L	1		NQ	NQ	EPA:335.4	GELC	
XC4scr	51	71	6/15/2005	25.4	56	46	71	Mortandad Canyon	Intermediate Perched	MCOI-6	686	5/10/2018	REG	F	INIT	Metals	Boron	B	47.1	1	Int-Scr_95	16.2	2.9	15	ug/L	1	J	J	J_LAB	SW-846:6010C	GELC	
XC4scr	51	71	6/15/2005	0.212	0.703	0.574	68	Mortandad Canyon	Intermediate Perched	MCOI-6	686	5/10/2018	REG	F	INIT	GENINORG	Bromide	Br(-1)	0.514	0.9	Int-Scr_95	0.0716	7.2	0.07	mg/L	1		NQ	NQ	EPA:300.0	GELC	
XC4scr	51	74	6/15/2005	29.4	86.6	58.3	74	Mortandad Canyon	Intermediate Perched	MCOI-6	686	5/10/2018	REG	F	INIT	Metals	Chromium	Cr	68.3	1.2	Int-Scr_95	2.72	25	3	ug/L	1		NQ	NQ	SW-846:6020	GELC	
XC4scr	51	71	6/15/2005	298	497	404	71	Mortandad Canyon	Intermediate Perched	MCOI-6	686	5/10/2018	REG	F	INIT	GENINORG	Total Dissolved Solids	TDS	449	1.1	Int-Scr_95	135	3.3	3.4	mg/L	1		NQ	NQ	EPA:160.1	GELC	
XC4scr	31	32	1/11/2007	40.8	99.4	84.6	31	Sandia Canyon	Intermediate Perched	SCI-1	358.4	5/9/2018	REG	F	INIT	Metals	Boron	B	75.5	0.9	Int-Scr_95	16.2	4.7	15	ug/L	1		NQ	NQ	SW-846:6010C	GELC	
XC4scr	31	32	1/11/2007	0.585	1.53	0.957	31	Sandia Canyon	Intermediate Perched	SCI-1	358.4	5/9/2018	REG	F	INIT	GENINORG	Bromide	Br(-1)	0.585	0.6	Int-Scr_95	0.0716	8.2	0.07	mg/L	1		NQ	NQ	EPA:300.0	GELC	
XC4scr	31	34	1/11/2007	8.67	22.1	12.7	33	Sandia Canyon	Intermediate Perched	SCI-1	358.4	5/9/2018	REG	F	INIT	Metals	Chromium	Cr	11.3	0.9	Int-Scr_95	2.72	4.2	3	ug/L	1		NQ	NQ	SW-846:6020	GELC	
XC4scr	31	32	1/11/2007	357	536	484.5	32	Sandia Canyon	Intermediate Perched	SCI-1	358.4	5/9/2018	REG	F	INIT	GENINORG	Total Dissolved Solids	TDS	454	0.9	Int-Scr_95	135	3.4	3.4	mg/L	1		NQ	NQ	EPA:160.1	GELC	
XC4scr	31	32	1/11/2007	0.404	1.45	0.889	31	Sandia Canyon	Intermediate Perched	SCI-1	358.4	5/9/2018	REG	F	INIT	GENINORG	Total Phosphate as Phosphorus	PO4-P	1.11	1.2	Int-Scr_95	0.178	6.2	0.02	mg/L	1		NQ	NQ	EPA:365.4	GELC	
XC4scr	38	50	10/21/2008	0.194	0.751	0.59	49	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	FD	F	INIT	GENINORG	Bromide	Br(-1)	0.723	1.2	Int-Scr_95	0.0716	10	0.07	mg/L	1		NQ	NQ	EPA:300.0	GELC	
XC4scr	38	50	10/21/2008	0.194	0.751	0.59	49	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	REG	F	INIT	GENINORG	Bromide	Br(-1)	0.71	1.2	Int-Scr_95	0.0716	9.9	0.07	mg/L	1		NQ	NQ	EPA:300.0	GELC	
XC4scr	38	57	10/21/2008	294	658	448	57	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	FD	F	INIT	Metals	Chromium	Cr	311	0.7	Int-Scr_95	2.72	114	3	ug/L	1		NQ	NQ	SW-846:6020	GELC	
XC4scr	38	57	10/21/2008	294	658	448	57	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	REG	F	INIT	Metals	Chromium	Cr	313	0.7	Int-Scr_95	2.72	115	3	ug/L	1		NQ	NQ	SW-846:6020	GELC	
XC4scr	28	36	10/21/2008	0.0045	0.304	0.0069	36	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	FD	UF	INIT	Inorganic	Cyanide (Total)	CN(TOTAL)	0.00672	1	Int-Scr_95	0.0017	4	0	mg/L	1		NQ	NQ	EPA:335.4	GELC	
XC4scr	28	36	10/21/2008	0.0045	0.304	0.0069	36	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	REG	UF	INIT	Inorganic	Cyanide (Total)	CN(TOTAL)	0.00655	1	Int-Scr_95	0.0017	3.9	0	mg/L	1		NQ	NQ	EPA:335.4	GELC	
XC4scr	38	51	10/21/2008	354	796	424	51	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	FD	F	INIT	GENINORG	Total Dissolved Solids	TDS	469	1.1	Int-Scr_95	135	3.5	3.4	mg/L	1		NQ	NQ	EPA:160.1	GELC	

Table 2: NMED 06-18 Groundwater Report Addendum

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
XC4scr	38	51	10/21/2008	354	796	424	51	Sandia Canyon	Intermediate Perched	SCI-2	548	5/9/2018	REG	F	INIT	GENINORG	Total Dissolved Solids	TDS	456	1.1	Int-Scr_95	135	3.4	3.4	mg/L	1	NQ	NQ	EPA:160.1	GELC		
XC4scr	23	27	5/20/2011	0.0531	11.8	1.24	24	Mortandad Canyon	Regional Top	R-61 S1	1125	5/17/2018	REG	F	INIT	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.793	0.6	Reg-Scr_95	0.0822	9.6	0.02	mg/L	1	NQ	NQ	EPA:365.4	GELC		