EMID-700015

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Date: JUN 2 6 2018
Refer To: N3B-18-0138

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 June 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 June 14, 2018, to review groundwater data received in May 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 November 2017 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,

for 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 June 2018 That Meet Notification Requirements (EM2018-0012)

Cy: (letter and enclosure[s] emailed)
Steve Veenis, N3B, ER Program
Laurie King, EPA Region 6, Dallas, TX
Michelle Hunter, NMED-GWQB
Steve Yanicak, NMED-DOE-OB, LANL MS M894
Raymond Martinez, San Ildefonso Pueblo, NM
Dino Chavarria, Santa Clara Pueblo, NM
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N3B Records
Public Reading Room (EPRR)
PRS Database

Cy: (letter emailed without enclosure[s])
Wayne Witten, Los Alamos County Utility Department, Los Alamos, NM
David Rhodes, DOE-EM-LA
David Nickless, DOE-EM-LA
Hai Shen, DOE-EM-LA
Cheryl L. Rodriguez, DOE-EM-LA
Nick Lombardo, N3B
Frazer Lockhart, N3B
Joe Legare, N3B, ER Program
Bruce Robinson, N3B, ER Program
Danny Katzman, N3B, ER Program
Scott Fenby, N3B, ER Program
Lori Huntoon, N3B, ER Program
Mei Ding, N3B, ER Program

SUMMARY OF GROUNDWATER DATA REVIEWED IN JUNE 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 the 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, environmental remediation 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 05-18 Groundwater Report, presents results since June 14, 2007, that met the five reporting criteria as specified in the 2016 Consent Order. Table 2, NMED 05-18 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 November 2017 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 05-18 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	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
C1	29	34	9/6/2007	1.82	1.82	1.82	1	Pajarito Canyon	Intermediate Perched	R-23i S1	400.3	4/10/2018	REG	UF	INIT	VOC	Carbon Disulfide	75-15-0	1.82	1	NMED A1 TAP SCRN LVL	810	0	1.5	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	Likely false positive, further sampling will be carried out
C1	34	42	10/3/2006	1.82	1.82	1.82	1	Pajarito Canyon	Intermediate Perched	R-23i S2	470.2	4/10/2018	REG	UF	INIT	VOC	Acetone	67-64-1	1.82	1	NMED A1 TAP SCRN LVL	14100	0	1.5	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	Likely false positive, further sampling will be carried out
C4	36	47	6/23/2006	25.9	414	95.1	47	Pajarito Canyon	Intermediate Perched	03-B-13	21.5	4/10/2018	REG	F	INIT	METALS	Barium	Ba	133	1.4	LANL Int BG LVL	13.5	9.9	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	36	47	6/23/2006	2.62	62.3	13.3	47	Pajarito Canyon	Intermediate Perched	03-B-13	21.5	4/10/2018	REG	F	INIT	GENINORG	Calcium	Ca	40.1	3	LANL Int BG LVL	10.7	3.7	0.05	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	36	47	6/23/2006	13.8	610	98.7	47	Pajarito Canyon	Intermediate Perched	03-B-13	21.5	4/10/2018	REG	F	INIT	GENINORG	Chloride	Cl(-1)	98.7	1	LANL Int BG LVL	3.11	31.7	1.34	mg/L	20		NQ	NQ	EPA:300.0	GELC	
C4	36	47	6/23/2006	10.5	216	47.9	47	Pajarito Canyon	Intermediate Perched	03-B-13	21.5	4/10/2018	REG	F	INIT	GENINORG	Hardness	HARDNESS	142	3	LANL Int BG LVL	37.8	3.8	0.453	mg/L	1		NQ	NQ	SM:A2340B	GELC	
C4	36	47	6/23/2006	0.972	14.6	3.58	47	Pajarito Canyon	Intermediate Perched	03-B-13	21.5	4/10/2018	REG	F	INIT	GENINORG	Magnesium	Mg	10.3	2.9	LANL Int BG LVL	3.14	3.3	0.11	mg/L	1	N	NQ	NQ	SW-846:6010C	GELC	
C4	36	47	6/23/2006	2.08	18.2	7.57	47	Pajarito Canyon	Intermediate Perched	03-B-13	21.5	4/10/2018	REG	F	INIT	GENINORG	Potassium	K	7.64	1	LANL Int BG LVL	2.35	3.3	0.05	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	36	47	6/23/2006	23.6	347	70.9	47	Pajarito Canyon	Intermediate Perched	03-B-13	21.5	4/10/2018	REG	F	INIT	GENINORG	Sodium	Na	61.7	0.9	LANL Int BG LVL	18.2	3.4	0.1	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	36	47	6/23/2006	15.6	375	76.7	47	Pajarito Canyon	Intermediate Perched	03-B-13	21.5	4/10/2018	REG	F	INIT	METALS	Strontium	Sr	232	3	LANL Int BG LVL	59.6	3.9	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	16	28	9/9/2004	30.7	64.4	42	28	Pajarito Canyon	Intermediate Spring	Homestead Spring	0	4/18/2018	FD	F	INIT	METALS	Barium	Ba	32.2	0.8	LANL Int BG LVL	13.5	2.4	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	16	28	9/9/2004	30.7	64.4	42	28	Pajarito Canyon	Intermediate Spring	Homestead Spring	0	4/18/2018	REG	F	INIT	METALS	Barium	Ba	31.8	0.8	LANL Int BG LVL	13.5	2.4	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	16	28	9/9/2004	3.72	24.5	9.08	28	Pajarito Canyon	Intermediate Spring	Homestead Spring	0	4/18/2018	FD	F	INIT	GENINORG	Chloride	Cl(-1)	8.19	0.9	LANL Int BG LVL	3.11	2.6	0.07	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	16	28	9/9/2004	3.72	24.5	9.08	28	Pajarito Canyon	Intermediate Spring	Homestead Spring	0	4/18/2018	REG	F	INIT	GENINORG	Chloride	Cl(-1)	8.13	0.9	LANL Int BG LVL	3.11	2.6	0.07	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	16	17	9/10/2004	33.7	70.2	47.6	17	Pajarito Canyon	Intermediate Spring	Starmer Spring	0	4/18/2018	REG	F	INIT	METALS	Barium	Ba	38.2	0.8	LANL Int BG LVL	13.5	2.8	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	16	17	9/10/2004	3.57	25.1	15.3	17	Pajarito Canyon	Intermediate Spring	Starmer Spring	0	4/18/2018	REG	F	INIT	GENINORG	Chloride	Cl(-1)	16.4	1.1	LANL Int BG LVL	3.11	5.3	0.13	mg/L	2		NQ	NQ	EPA:300.0	GELC	
C4	35	42	3/5/2009	6.1	47.4	15.7	41	Mortandad Canyon	Regional Deep	R-45 S2	974.9	4/17/2018	REG	F	INIT	METALS	Chromium	Cr	22.4	1.4	LANL Reg BG LVL	7.48	3	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	36	38	2/28/2009	3	6.7	4.78	38	Mortandad Canyon	Regional Top	R-45 S1	880	4/17/2018	REG	F	INIT	GENINORG	Chloride	Cl(-1)	5.85	1.2	LANL Reg BG LVL	2.7	2.2	0.07	mg/L	1		NQ	NQ	EPA:300.0	GELC	

Table 1: NMED 05-18 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	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	36	42	2/28/2009	8.4	50.7	28.5	42	Mortandad Canyon	Regional Top	R-45 S1	880	4/17/2018	REG	F	INIT	METALS	Chromium	Cr	42	1.5	LANL Reg BG LVL	7.48	5.6	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	36	38	2/28/2009	0.256	3.47	2.86	38	Mortandad Canyon	Regional Top	R-45 S1	880	4/17/2018	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3	1	LANL Reg BG LVL	0.769	3.9	0.17	mg/L	10		NQ	NQ	EPA:353.2	GELC	
C4	38	44	3/6/2010	4.68	10.1	8.085	44	Mortandad Canyon	Regional Top	R-50 S1	1077	4/16/2018	REG	F	INIT	GENINORG	Chloride	Cl(-1)	9.59	1.2	LANL Reg BG LVL	2.7	3.6	0.13	mg/L	2		NQ	NQ	EPA:300.0	GELC	
C4	38	46	3/6/2010	49.8	150	101.4	46	Mortandad Canyon	Regional Top	R-50 S1	1077	4/16/2018	REG	F	INIT	METALS	Chromium	Cr	136	1.3	LANL Reg BG LVL	7.48	18.2	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	38	45	3/6/2010	0.398	2.72	1.8	45	Mortandad Canyon	Regional Top	R-50 S1	1077	4/16/2018	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.01	1.1	LANL Reg BG LVL	0.769	2.6	0.17	mg/L	10		NQ	NQ	EPA:353.2	GELC	
C4	38	44	3/6/2010	7.22	14.9	11.95	44	Mortandad Canyon	Regional Top	R-50 S1	1077	4/16/2018	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	14.6	1.2	LANL Reg BG LVL	4.59	3.2	0.13	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	22	26	5/20/2011	2.03	23.3	19.7	25	Mortandad Canyon	Regional Top	R-61 S1	1125	4/18/2018	REG	F	INIT	METALS	Chromium	Cr	18.9	1	LANL Reg BG LVL	7.48	2.5	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	22	26	5/20/2011	0.427	2.31	1.865	26	Mortandad Canyon	Regional Top	R-61 S1	1125	4/18/2018	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.84	1	LANL Reg BG LVL	0.769	2.4	0.09	mg/L	5		NQ	NQ	EPA:353.2	GELC	

Table 2: NMED 05-18 Groundwater Report Addendum

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Canyon	Zone	Location	Screen Depth	Start Date	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	16	28	9/9/2004	1.5	3.27	2.4	7	Pajarito Canyon	Intermediate Spring	Homestead Spring	0	4/18/2018	REG	F	INIT	METALS	Arsenic	As	3.27	1.4	Int-Scr_95	2.82	1.2	2	µg/L	1	J	J	J_LAB	SW-846:6020	GELC	
XC2scr	16	17	9/10/2004	2	3.52	2.76	2	Pajarito Canyon	Intermediate Spring	Starmer Spring	0	4/18/2018	REG	F	INIT	METALS	Arsenic	As	3.52	1.3	Int-Scr_95	2.82	1.2	2	µg/L	1	J	J	J_LAB	SW-846:6020	GELC	
XC2scr	23	27	10/19/2006	6.59	6.59	6.59	1	Pajarito Canyon	Regional	R-17 S1	1057	4/19/2018	FD	F	INIT	METALS	Copper	Cu	6.59	1	Reg-Scr_95	3	2.2	3	µg/L	1	J	J	J_LAB	SW-846:6010C	GELC	
XC2scr	25	28	10/17/2006	1.5	2.74	2.115	4	Pajarito Canyon	Regional	R-17 S2	1124	4/19/2018	REG	F	INIT	METALS	Arsenic	As	2.74	1.3	Reg-Scr_95	2.7	1	2	µg/L	1	J	J	J_LAB	SW-846:6020	GELC	
XC4scr	36	47	6/23/2006	81.1	35600	2205	46	Pajarito Canyon	Intermediate Perched	03-B-13	21.5	4/10/2018	REG	F	INIT	METALS	Aluminum	Al	178	0.1	Int-Scr_95	68	2.6	68	µg/L	1	J	J	J_LAB	SW-846:6010C	GELC	
XC4scr	36	47	6/23/2006	94.7	21300	1490	44	Pajarito Canyon	Intermediate Perched	03-B-13	21.5	4/10/2018	REG	F	INIT	METALS	Iron	Fe	128	0.1	Int-Scr_95	54.1	2.4	30	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
XC4scr	36	49	6/23/2006	107	1230	303	49	Pajarito Canyon	Intermediate Perched	03-B-13	21.5	4/10/2018	REG	F	INIT	GENINORG	Total Dissolved Solids	TDS	351	1.2	Int-Scr_95	135	2.6	3.4	mg/L	1		NQ	NQ	EPA:160.1	GELC	
XC4scr	16	28	9/9/2004	282	6630	753.5	28	Pajarito Canyon	Intermediate Spring	Homestead Spring	0	4/18/2018	FD	F	INIT	METALS	Aluminum	Al	297	0.4	Int-Scr_95	68	4.4	68	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
XC4scr	16	28	9/9/2004	282	6630	753.5	28	Pajarito Canyon	Intermediate Spring	Homestead Spring	0	4/18/2018	REG	F	INIT	METALS	Aluminum	Al	288	0.4	Int-Scr_95	68	4.2	68	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
XC4scr	16	28	9/9/2004	136	3400	357.5	28	Pajarito Canyon	Intermediate Spring	Homestead Spring	0	4/18/2018	FD	F	INIT	METALS	Iron	Fe	151	0.4	Int-Scr_95	54.1	2.8	30	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
XC4scr	16	28	9/9/2004	136	3400	357.5	28	Pajarito Canyon	Intermediate Spring	Homestead Spring	0	4/18/2018	REG	F	INIT	METALS	Iron	Fe	136	0.4	Int-Scr_95	54.1	2.5	30	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
XC4scr	16	17	9/10/2004	202	5730	593	17	Pajarito Canyon	Intermediate Spring	Starmer Spring	0	4/18/2018	REG	F	INIT	METALS	Aluminum	Al	202	0.3	Int-Scr_95	68	3	68	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
XC4scr	22	26	5/20/2011	0.0531	11.8	1.28	23	Mortandad Canyon	Regional Top	R-61 S1	1125	4/18/2018	REG	F	INIT	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.923	0.7	Reg-Scr_95	0.0822	11	0.02	mg/L	1		J+	I4a	EPA:365.4	GELC	