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Date: FEB 23 2018
Refer To: ADEM-18-0020
LAUR: 18-21296

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 February 2018

This letter is Los Alamos National Laboratory's (LANL's) written submission in accordance with Section XXVI of the 2016 Compliance Order on Consent (Consent Order). Members of LANL's Associate Directorate for Environmental Management met on February 15, 2018, to review groundwater data received in January 2018. 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.

This report also includes analytical data from samples collected at locations within the Pueblo de San Ildefonso, which are subject to reporting at this time. These data have been reviewed by the Pueblo. This review is required under the Memorandum of Agreement dated May 28, 2014, between the U.S. Department of Energy, National Nuclear Security Administration, Los Alamos Field Office, and San Ildefonso Pueblo.

1-Day Notification

There was one instance 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).

In a filtered sample collected on December 18, 2017, from regional well R-45 S1, chromium was measured at 50.7 µg/L, above the 50 µg/L NMWQCC groundwater standard. One-day notification of this result by telephone occurred on February 15, 2018.

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 Nita Patel at (505) 665-9273 (npatel@lanl.gov) or Hai Shen at (505) 665-5046 (hai.shen@em.doe.gov).

Sincerely,

Enrique Torres, Program Director
Environmental Remediation Program
Los Alamos National Laboratory

Sincerely,

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

ET/DR/NP:sm

Enclosure: Two hard copies with electronic files – Summary of Groundwater Data Reviewed in February 2018 That Meet Notification Requirements (EP2018-0044)

Cy: (date-stamped letter and attachment emailed)
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SUMMARY OF GROUNDWATER DATA REVIEWED IN FEBRUARY 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). 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 01-18 Groundwater Report, presents results since June 14, 2007, that met the five reporting criteria as specified in the 2016 Consent Order. Table 2, NMED 01-18 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 the Laboratory 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

1-Day Notification Requirement

The CA value is used in the Criteria Code column of Table 1. The CA value represents the data that show detection of a contaminant in a well screen interval or spring at a concentration that exceeds either the NMWQCC water quality standard or the federal MCL if that contaminant has not previously exceeded such water quality standard or MCL in the well screen interval or spring. The Laboratory 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 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:

Hdr 1—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 01-18 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	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	9	11	9/24/2001	0.183	0.183	0.183	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 1	0	10/10/2017	REG	UF	INIT	PESTPCB	Aroclor-1242	53469-21-9	0.183	1	NM GW STD	1	0.2	0.0347	µg/L	1		NQ	NQ	SW-846:8082	GELC	Aroclor-1242 was non-detected in the field duplicate (FD) sample.
C4	32	38	2/28/2009	8.4	50.7	25.7	38	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-45 S1	880	12/18/2017	REG	F	INIT	Metals	Chromium	Cr	50.7	2	LANL Reg BG LVL	7.48	6.8	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	Highest to date, increasing trend, 1st above NM GW STD.
C4	32	34	2/28/2009	0.256	3.47	2.805	34	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-45 S1	880	12/18/2017	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.91	1	LANL Reg BG LVL	0.769	3.8	0.017	mg/L	1		NQ	NQ	EPA:353.2	GELC	
C4	31	38	3/5/2009	6.1	47.4	12.5	37	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-45 S2	974.9	12/18/2017	REG	F	INIT	Metals	Chromium	Cr	25.1	2	LANL Reg BG LVL	7.48	3.4	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	34	40	3/6/2010	4.68	10.1	7.745	40	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-50 S1	1077	12/14/2017	FD	F	INIT	GENINORG	Chloride	Cl(-1)	9.8	1.3	LANL Reg BG LVL	2.7	3.6	0.067	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	34	40	3/6/2010	4.68	10.1	7.745	40	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-50 S1	1077	12/14/2017	REG	F	INIT	GENINORG	Chloride	Cl(-1)	9.8	1.3	LANL Reg BG LVL	2.7	3.6	0.067	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	34	42	3/6/2010	49.8	150	98.2	42	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-50 S1	1077	12/14/2017	FD	F	INIT	Metals	Chromium	Cr	136	1.4	LANL Reg BG LVL	7.48	18.2	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	34	42	3/6/2010	49.8	150	98.2	42	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-50 S1	1077	12/14/2017	REG	F	INIT	Metals	Chromium	Cr	134	1.4	LANL Reg BG LVL	7.48	17.9	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	34	41	3/6/2010	0.398	2.72	1.72	41	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-50 S1	1077	12/14/2017	FD	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.05	1.2	LANL Reg BG LVL	0.769	2.7	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	34	41	3/6/2010	0.398	2.72	1.72	41	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-50 S1	1077	12/14/2017	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.1	1.2	LANL Reg BG LVL	0.769	2.7	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	34	40	3/6/2010	7.22	14.9	11.5	40	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-50 S1	1077	12/14/2017	FD	F	INIT	GENINORG	Sulfate	SO4(-2)	14	1.2	LANL Reg BG LVL	4.59	3.1	0.133	mg/L	1		J+	l4a	EPA:300.0	GELC	

Table 1: NMED 01-18 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	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	34	40	3/6/2010	7.22	14.9	11.5	40	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-50 S1	1077	12/14/2017	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	14	1.2	LANL Reg BG LVL	4.59	3.1	0.133	mg/L	1		J+	I4a	EPA:300.0	GELC	
C4	18	21	5/20/2011	2.03	23.3	19.1	20	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-61 S1	1125	12/19/2017	REG	F	INIT	Metals	Chromium	Cr	16.7	0.9	LANL Reg BG LVL	7.48	2.2	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	18	21	5/20/2011	0.427	2.31	1.89	21	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-61 S1	1125	12/19/2017	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.93	1	LANL Reg BG LVL	0.769	2.5	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C4	18	21	5/20/2011	2.96	12.1	7.42	21	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-61 S1	1125	12/19/2017	REG	F	INIT	GENINORG	Perchlorate	ClO4	12.1	1.6	LANL Reg BG LVL	0.414	29.2	0.5	µg/L	10		NQ	NQ	SW-846:6850	GELC	Highest to date, concentration has increased for the third consecutive time.
C4	15	16	10/23/2001	103	118	114.5	16	White Rock Canyon and Rio Grande	Regional Spring	La Mesita Spring	0	10/4/2017	REG	F	INIT	Metals	Barium	Ba	112	1	LANL Reg BG LVL	38.1	2.9	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	18	19	10/19/2000	34.4	38.2	35.5	19	White Rock Canyon and Rio Grande	Regional Spring	La Mesita Spring	0	10/4/2017	REG	F	INIT	GENINORG	Calcium	Ca	38.2	1.1	LANL Reg BG LVL	17.03	2.2	0.05	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	18	19	10/19/2000	6.44	8.62	7.1	19	White Rock Canyon and Rio Grande	Regional Spring	La Mesita Spring	0	10/4/2017	REG	F	INIT	GENINORG	Chloride	Cl(-1)	8.62	1.2	LANL Reg BG LVL	2.7	3.2	0.067	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	15	16	10/23/2001	735	852	805	16	White Rock Canyon and Rio Grande	Regional Spring	La Mesita Spring	0	10/4/2017	REG	F	INIT	Metals	Strontium	Sr	805	1	LANL Reg BG LVL	157	5.1	1	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
C4	18	19	10/19/2000	12.6	15.4	13.7	19	White Rock Canyon and Rio Grande	Regional Spring	La Mesita Spring	0	10/4/2017	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	15.4	1.1	LANL Reg BG LVL	4.59	3.4	0.133	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C4	14	15	8/24/2004	8.47	12.7	10.6	15	White Rock Canyon and Rio Grande	Regional Spring	La Mesita Spring	0	10/4/2017	REG	F	INIT	GENINORG	Uranium	U	8.93	0.8	LANL Reg BG LVL	1.19	7.5	0.067	µg/L	1		NQ	NQ	SW-846:6020	GELC	
C4	19	21	9/25/2000	36.4	64	42	21	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	10/10/2017	REG	F	INIT	GENINORG	Sodium	Na	39.6	0.9	LANL Reg BG LVL	16	2.5	0.1	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	18	21	5/20/2011	2.96	12.1	7.42	21	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-61 S1	1125	12/19/2017	REG	F	INIT	GENINORG	Perchlorate	ClO4	12.1	1.6	NMED A1 TAP SCRN LVL	13.8	0.9	0.5	µg/L	10		NQ	NQ	SW-846:6850	GELC	Highest to date, concentration has increased for the third consecutive time.
C5	16	18	9/24/2001	4.13	27.8	8.9	16	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	10/10/2017	REG	F	INIT	Metals	Arsenic	As	7.7	0.9	EPA MCL	10	0.8	2	µg/L	1		NQ	NQ	SW-846:6020	GELC	
CA	32	38	2/28/2009	8.4	50.7	25.7	38	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-45 S1	880	12/18/2017	REG	F	INIT	Metals	Chromium	Cr	50.7	2	NM GW STD	50	1	3	µg/L	1		NQ	NQ	SW-846:6020	GELC	Highest to date, increasing trend, 1st above NM GW STD.

Table 2: NMED 01-18 Groundwater Report Addendum

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	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	15	16	10/23/2001	1.2	1.2	1.2	1	White Rock Canyon and Rio Grande	Regional Spring	La Mesita Spring	0	10/4/2017	REG	F	INIT	Metals	Cobalt	Co	1.2	1	Reg-Scr_95	1	1.2	1	µg/L	1	J	J	J_LAB	SW-846:6010C	GELC	
XC2scr	15	16	10/23/2001	3.23	33.1	3.6	5	White Rock Canyon and Rio Grande	Regional Spring	La Mesita Spring	0	10/4/2017	REG	F	INIT	Metals	Manganese	Mn	33.1	9.2	Reg-Scr_95	12.1	2.7	2	µg/L	1		NQ	NQ	SW-846:6010C	GELC	Highest to date.
XC2scr	18	19	10/19/2000	0.044	0.217	0.05	3	White Rock Canyon and Rio Grande	Regional Spring	La Mesita Spring	0	10/4/2017	REG	F	INIT	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.217	4.3	Reg-Scr_95	0.0822	2.6	0.02	mg/L	1		NQ	NQ	EPA:365.4	GELC	
XC2scr	19	21	9/25/2000	0.023	0.109	0.0384	11	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	10/10/2017	REG	F	INIT	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.105	2.7	Reg-Scr_95	0.0822	1.3	0.02	mg/L	1		NQ	NQ	EPA:365.4	GELC	
XC4scr	18	21	5/20/2011	0.053	11.8	1.665	18	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-61 S1	1125	12/19/2017	REG	F	INIT	GENINORG	Total Phosphate as Phosphorus	PO4-P	1.28	0.8	Reg-Scr_95	0.0822	16	0.02	mg/L	1		NQ	NQ	EPA:365.4	GELC	
XC4scr	15	16	10/23/2001	49.4	58.8	52.5	16	White Rock Canyon and Rio Grande	Regional Spring	La Mesita Spring	0	10/4/2017	REG	F	INIT	Metals	Boron	B	50.6	1	Reg-Scr_95	18.7	2.7	15	µg/L	1		NQ	NQ	SW-846:6010C	GELC	
XC4scr	13	14	7/12/2005	0.092	0.163	0.137	12	White Rock Canyon and Rio Grande	Regional Spring	La Mesita Spring	0	10/4/2017	REG	F	INIT	GENINORG	Bromide	Br(-1)	0.138	1	Reg-Scr_95	0.067	2.1	0.067	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
XC4scr	16	18	9/24/2001	4.13	27.8	8.9	16	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	10/10/2017	REG	F	INIT	Metals	Arsenic	As	7.7	0.9	Reg-Scr_95	2.7	2.9	2	µg/L	1		NQ	NQ	SW-846:6020	GELC	
XC4scr	16	18	9/24/2001	41.2	72.5	45.3	18	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	10/10/2017	REG	F	INIT	Metals	Boron	B	45.7	1	Reg-Scr_95	18.7	2.4	15	µg/L	1	J	J	J_LAB	SW-846:6010C	GELC	