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Date: JUN 2 2 2017 Refer To: ADEM-17-0148 LAUR: 17-24962 Locates Action No.: n/a

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 2017

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NMED

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 June 14, 2017, to review groundwater data received in May 2017. 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 2016 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 an instance of a contaminant detected at a concentration that exceeded the NMWQCC groundwater standard or federal maximum contaminant level 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 April 06, 2017, from alluvial well 18-MW-18, total dissolved solid (TDS) was measured at 1470 μ g/L, above the 1000 μ g/L New Mexico Groundwater Standard. One-day notification of this result by telephone occurred on June 15, 2017.

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 Paris at (505) 606-0915 (smparis@lanl.gov) or Hai Shen at (505) 665-5046 (hai.shen@em.doe.gov).

Sincerely,

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Bruce Robinson, Program Director Environmental Remediation Program Los Alamos National Laboratory

BR/DR/SP:sm

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

- Enclosure: Two hard copies with electronic files Summary of Groundwater Data Reviewed in June 2017 That Meet Notification Requirements (EP2017-0098)
- Cy: (Letter and CD and/or DVD) Laurie King, EPA Region 6, Dallas, TX Michelle Hunter, NMED-GWQB Steve Yanicak, NMED-DOE-OB, MS M894 Raymond Martinez, San Ildefonso Pueblo, NM Dino Chavarria, Santa Clara Pueblo, NM emla.docs@em.doe.gov Steve Paris, ADEM ER Program Brian Iacona, ADESH-EPC-CP Public Reading Room (EPRR) ADESH Records PRS Database
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SUMMARY OF GROUNDWATER DATA REVIEWED IN JUNE 2017 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 2017 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 05-17 Groundwater Report, presents results since June 14, 2007, that met the five reporting criteria as specified in the 2016 Consent Order. Table 2, NMED 05-17 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 May 2016 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 TABLE

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 05-17 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Screen Depth	Start Date	Fid QC Type Code	Fld Prep Code Lab Sample Type Code	l Suite Code	Analyte Desc	Analyte	Std Result	Kesult/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std MdI	Std Uom	Dilution Factor	Lab Qual Code	Validation Flag Validation Reason Code	Anyl Meth Code	Lab Code	Comment
C2	17	21	6/11/2009	8.19	23.2	8.89	21	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	PCI-2	512	4/10/2017	FD	F INIT	GENINORG	Calcium	Са	23.2 2.6		ANL Int G LVL	10.7	2.2	0.05	mg/L	1	N	Q NQ	SW-846:6010C	GELC	
C2	17	21	6/11/2009	28.8	90.2	31.4	21	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	PCI-2	512	4/10/2017	FD	F INIT	GENINORG	Hardness	HARDNESS	90.2 2.9		ANL Int G LVL	37.8	2.4	0.453	mg/L	1	N	Q NQ	SM:A2340B	GELC	
C2	17	21	6/11/2009	2.03	7.82	2.23	21	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	PCI-2	512	4/10/2017	FD	F INIT	GENINORG	Magnesium	Mg	7.82 3.5		ANL Int G LVL	3.14	2.5	0.11	mg/L	1	N	Q NQ	SW-846:6010C	GELC	
C2	17	21	6/11/2009	0.253	5.62	0.323	21	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	PCI-2	512	4/10/2017	FD	F INIT	GENINORG	Potassium	к	5.62 17		ANL Int G LVL	2.35	2.4	0.05	mg/L	1	N	Q NQ	SW-846:6010C	GELC	
C2	17	21	6/11/2009	11.3	22.4	11.7	21	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	PCI-2	512	4/10/2017	FD	F INIT	GENINORG	Sodium	Na	22.4 1.9		ANL Int G LVL	18.2	1.2	0.1	mg/L	1	N	Q NQ	SW-846:6010C	GELC	
C3	17	21	6/11/2009	33.2	553	57.6	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	PCI-2	512	4/10/2017	FD	F INIT	METALS	Iron	Fe	553 9.6	6 NM ST		1000	0.6	30	ug/L	1	N	Q NQ	SW-846:6010C		Iron was not detected in the primary sample, which was collected in the same sampling event.
C4	34	45	6/23/2006	25.9	414	92.1	45	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	4/12/2017	REG	F INIT	METALS	Barium	Ва	193 2.′		ANL Int G LVL	13.5	14.3	1	ug/L	1	N	Q NQ	SW-846:6010C	GELC	
C4	34	45	6/23/2006	2.62	62.3	11.3	45	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	4/12/2017	REG	F INIT	GENINORG	Calcium	Са	41 3.6		ANL Int G LVL	10.7	3.8	0.05	mg/L	1	N	Q NQ	SW-846:6010C	GELC	
C4	34	45	6/23/2006	13.8	610	104	45	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	4/12/2017	REG	F INIT	GENINORG	Chloride	CI(-1)	249 2.4		ANL Int G LVL	3.11	80.1	3.35	mg/L	50	N	Q NQ	EPA:300.0	GELC	
C4	34	45	6/23/2006	10.5	216	43.7	45	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	4/12/2017	REG	F INI	GENINORG	Hardness	HARDNESS	136 3.4		ANL Int G LVL	37.8	3.6	0.453	mg/L	1	N	Q NQ	SM:A2340B	GELC	
C4	34	45	6/23/2006	0.972	14.6	3.4	45	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	4/12/2017	REG	F INIT	GENINORG	Magnesium	Mg	8.17 2.4		ANL Int G LVL	3.14	2.6	0.11	mg/L	1	N	Q NQ	SW-846:6010C	GELC	
C4	34	45	6/23/2006	2.08	18.2	7.57	45	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	4/12/2017	REG	F INIT	GENINORG	Potassium	К	9.32 1.2		ANL Int G LVL	2.35	4	0.05	mg/L	1	N	Q NQ	SW-846:6010C	GELC	
C4	34	45	6/23/2006	23.6	347	75.4	45	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	4/12/2017	REG	F INIT	GENINORG	Sodium	Na	107 1.4		ANL Int G LVL	18.2	5.9	0.1	mg/L	1	N	Q NQ	SW-846:6010C	GELC	

Table 1: NMED 05-17 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Screen Depth	Start Date	Fid QC Type Code	Fld Prep Code Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Validation Flag Volidation Doctor Codo	Anyl Meth Code	Lab Code	Comment
C4	34	45	6/23/2006	15.6	375	68.8	45	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	4/12/2017	REG	F INIT	METALS	Strontium	Sr	241	3.5	LANL Int BG LVL	59.6	4	1	ug/L	1	NC	Q NG	SW-846:6010C	GELC	
C4	36	37	8/30/2007	68	389	345	37	Sandia Canyon	Regional	R-35a	1013.1	5/2/2017	REG	F INIT	METALS	Barium	Ва	336	1	LANL Reg BG LVL	38.1	8.8	1	ug/L	1	NC	Q NG	SW-846:6010C	GELC	
C4	35	36	8/30/2007	5.97	6.92	6.395	36	Sandia Canyon	Regional	R-35a	1013.1	5/2/2017	REG	F INIT	GENINORG	Chloride	Cl(-1)	6.73		LANL Reg BG LVL	2.7	2.5	0.067	mg/L	1	NC	Q NG	EPA:300.0	GELC	
C4	12	12	8/8/2011	42	54.1	46	12	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Vine Tree Spring	0	1/12/2017	REG	F INIT	METALS	Barium	Ва	42	0.9	LANL Int BG LVL	13.5	3.1	1	ug/L	1	NC	Q NG	SW-846:6010C	GELC	
C4	12	12	8/8/2011	27.6	30.4	28.7	12	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Vine Tree Spring	0	1/12/2017	REG	F INIT	GENINORG	Calcium	Са	29.4		LANL Int BG LVL	10.7	2.7	0.05	mg/L	1	NC	Q NG	SW-846:6010C	GELC	
C4	12	12	8/8/2011	15.5	19.1	15.95	12	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Vine Tree Spring	0	1/12/2017	REG	F INIT	GENINORG	Chloride	CI(-1)	15.7		LANL Int BG LVL	3.11	5 (0.134	mg/L	2	NC	Q NC	EPA:300.0	GELC	
C4	12	12	8/8/2011	101	111	104.5	12	Lower Los Alamos Canyon (San Ildefonso Pueblo)		Vine Tree Spring	0	1/12/2017	REG	F INIT	GENINORG	Hardness	HARDNESS	108	1	LANL Int BG LVL	37.8	2.9	0.453	mg/L	1	NC	Q NC	SM:A2340B	GELC	
C4	12	12	8/8/2011	7.75	8.47	7.985	12	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Vine Tree Spring	0	1/12/2017	REG	F INIT	GENINORG	Magnesium	Mg	8.45		LANL Int BG LVL	3.14	2.7	0.11	mg/L	1	NC	Q NG	SW-846:6010C	GELC	
C4	11	11	8/8/2011	3.38	4.35	3.63	11	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Vine Tree Spring	0	1/12/2017	REG	F INIT	GENINORG	Nitrate- Nitrite as Nitrogen	NO3+NO2-N	3.63		LANL Int BG LVL	0.459	7.9	0.085	mg/L	5	NC	Q NG	EPA:353.2	GELC	
C4	12	12	8/8/2011	4.86	6.54	5.625	12	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Vine Tree Spring	0	1/12/2017	REG	F INIT	GENINORG	Perchlorate	CIO4	6.42		LANL Int BG LVL	0.27	23.8	0.2	ug/L	4	NC	Q NG	SW-846:6850	GELC	
C4	12	12	8/8/2011	127	151	142.5	12	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Vine Tree Spring	0	1/12/2017	REG	F INIT	METALS	Strontium	Sr	151		LANL Int BG LVL	59.6	2.5	1	ug/L	1	NC	Q NG	SW-846:6010C	GELC	
C4	12	12	8/8/2011	20.6	21.7	21.2	12	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Vine Tree Spring	0	1/12/2017	REG	F INIT	GENINORG	Sulfate	SO4(-2)	20.6		LANL Int BG LVL	7.1	2.9	0.266	mg/L	2	NC	Q NG	EPA:300.0	GELC	

Table 1: NMED 05-17 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
C5	19	25 8	8/28/2006	240	1470	481	25	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-18	12.5	4/6/2017	REG	F II	TIN	GENINORG	Total Dissolved Solids	TDS	1470 3		NM GW STD	1000	1.5	3.4	mg/L	1	1	NQ	NQ E	EPA:160.1		The result is the highest concentration to date. Concentration has increased for the third consecutive time.
CA	19	25 8	8/28/2006	240	1470	481	25	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-18	12.5	4/6/2017	REG	F II	NIT	GENINORG	Total Dissolved Solids	TDS	1470 3		NM GW STD	1000	1.5	3.4	mg/L	1		NQ	NQ E	EPA:160.1		The result is the highest concentration to date. Concentration has increased for the third consecutive time.

Table 2: NMED 05-17 Groundwater Report Addendum

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Defect	median 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 MdI	Std Uom	Dilution Factor	Lab Qual Code	Validation Reason Code	Anyl Meth Code	Lab Code	Comment
XC2scr	7	9	10/23/2015	0.715	0.715	0.715		Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	SIMR-2	885	2/15/2017	REG	F INIT	METALS	Thallium	ТІ	0.715 1	Reg	-Scr_95 (0.45	1.6	0.6	ug/L	1	J J	J_LAB	SW-846:6020	GELC	
XC2scr	7	9	10/23/2015	0.0273	0.145	0.055		Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	SIMR-2	885	2/15/2017	REG	F INIT	GENINORG	Total Phosphate as Phosphorus		0.145 2.6	i Reg	-Scr_95 (0.0822	1.8	0.02	mg/L	1	NQ	NQ	EPA:365.4	GELC	
XC2scr	7	9	10/23/2015	5.07	28.5	16.78		Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	SIMR-2	885	2/15/2017	REG	F INIT	METALS	Zinc	Zn	28.5 1.7	' Reg	-Scr_95 1	14.4	2	3.3	ug/L	1	NQ	NQ	SW-846:6010C	GELC	
XC4scr	34	45	6/23/2006	81.1	35600	2470		Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	4/12/2017	REG	F INIT	METALS	Aluminum	Al	293 0.1	Int-S	Scr_95 6	68	4.3	68	ug/L	1	NQ	NQ	SW-846:6010C	GELC	
XC4scr	34	47	6/23/2006	107	1230	303		Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	4/12/2017	REG	F INIT	GENINORG	Total Dissolved Solids	TDS	581 1.9	Int-S	Scr_95 1	135	4.3	3.4	mg/L	1	J	l10b	EPA:160.1	GELC	
XC4scr	12	12	8/8/2011	0.136	0.19	0.159		Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Vine Tree Spring	0	1/12/2017	REG	F INIT	GENINORG	Bromide	Br(-1)	0.167 1	Int-S	Scr_95 C	0.0716	2.3	0.067	mg/L	1	JJ	J_LAB	EPA:300.0	GELC	