ESHID-600382

Los Alamos
NATIONAL LABORATORY
EST. 1943

Associate Director for ESH
Environment, Safety, and Health
P.O. Box 1663, MS K491
Los Alamos, New Mexico 87545
505-667-4218/Fax 505-665-3811

Environmental Management
Los Alamos Field Office, MS A316
3747 West Jemez Road
Los Alamos, New Mexico 87544
(505) 667-4255/FAX (505) 606-2132

Date: APR 24 2015
Refer To: ADESH-15-066
LAUR: 15-22491
Locates Action No.: N/A

RECEIVED
APR 24 2015
NMED
Hazardous Waste Bureau

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 April 2015

Dear Mr. Kieling:

This letter is Los Alamos National Laboratory's (LANL's) written submission that meets notification requirements presented in Section IV.A.3.g, Notification, of the Compliance Order on Consent (Consent Order). Members of LANL's Environmental Programs met on April 14, 2015, to review new groundwater data received in March 2015. This report was prepared by comparing the data against groundwater cleanup levels, as defined in Section VIII.A.1 of the Consent Order. For comparison with U.S. Environmental Protection Agency tap water standards, the carcinogenic risk was adjusted to 1×10^{-5}, as specified in the Consent Order.

This report also includes any data that were collected on San Ildefonso Pueblo and were subject to reporting at this time. These data have been reviewed by San Ildefonso 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 were no instances of a contaminant detected at a concentration that exceeded the New Mexico Water Quality Control Commission or federal water quality standards for the first time (based on samples collected since June 14, 2007).

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 seven reporting criteria requiring written notification within 15 days is given in the accompanying report and table.

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,

Dave McInroy, Program Director
Environmental Remediation Program
Los Alamos National Laboratory

Sincerely,

Christine Gelles, Acting Manager
Environmental Management
Los Alamos Field Office

DM/CG/SP:sm

Enclosure: Two hard copies with electronic files – Summary of Groundwater Data Reviewed in April 2015 That Meet Notification Requirements (EP2015-0076)

Cy: (w/enc.)
Steve Paris, ADEP ER Program, MS M992
Public Reading Room (EPRR)
ADESH Records

Cy: (Letter and CD and/or DVD)
Laurie King, EPA Region 6, Dallas, TX
Steve Yanicak, NMED-DOE-OB, MS M894
Raymond Martinez, San Ildefonso Pueblo, NM
Dino Chavarria, Santa Clara Pueblo, NM
Jake Meadows, ADESH-ENV-CP, MS K490
PRS Database

Cy: (w/o enc./date-stamped letter emailed)
Pete Padilla, Los Alamos County Utility Department, Los Alamos, NM
lasomailbox@nnsa.doe.gov
Annette Russell, DOE-EM-LA
Hai Shen, DOE-EM-LA
David Rhodes, DOE-EM-LA
Kimberly Davis Lebak, DOE-NA-LA
Mei Ding, EES-6
Tim Goering, ADEP ER Program
Stanislaw Marczak, ADEP ER Program
Dave McInroy, ADEP ER Program
Randy Erickson, ADEP
Tony Grieggs, ADESH-ENV-CP
Jocelyn Buckley, ADESH-ENV-CP
Alison Dorries, ADESH-ENV-DO
Michael Brandt, ADESH
Amy De Palma, PADOPS
Michael Lansing, PADOPS

SUMMARY OF GROUNDWATER DATA REVIEWED IN APRIL 2015
THAT MEET NOTIFICATION REQUIREMENTS

INTRODUCTION

This report provides preliminary information to the New Mexico Environment Department (NMED) concerning recent groundwater monitoring data obtained by the Los Alamos National Laboratory (the Laboratory) under its interim monitoring plan and contains results for chemical constituents that meet the seven screening criteria laid out in the Compliance Order on Consent (Consent Order). The report covers groundwater samples taken from wells or springs (listed in the accompanying table) that provide surveillance of the groundwater zones indicated in the table.

The report includes one table, *Table 1: NMED 3-15 Groundwater Report*. This table contains some values that are reported when they are detected for the first time since June 14, 2007, or are greater than other data collected since that time (as specified in the Consent Order). These reported data may be similar to data gathered before June 14, 2007.

This table includes the following:

- Additional comments on results that appear to be exceptional or based on consideration of monitoring data acquired before the current result (using statistics described below)
- Supplemental information summarizing monitoring results obtained before the current result
- 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.

In accordance with the Consent Order, the screening levels used include the U.S. Environmental Protection Agency (EPA) maximum contaminant levels (MCLs), the New Mexico groundwater standards, and the EPA regional screening levels for tap water (for compounds having no other regulatory standard). The EPA regional screening levels for tap water are either for cancer (10^{-6} excess risk) or noncancer risk values. The data were screened using 10 times the EPA's 10^{-6} excess cancer risk values, to achieve 10^{-5} excess cancer risk as indicated in Section VIII.A.1 of the Consent Order.

Background levels applied in Criteria 2 and 5 are the most recent NMED-approved 95% upper tolerance limits for background for each groundwater zone as set forth in the "Groundwater Background Investigation Report," prepared under Section IV.A.3.d of the Consent Order.

DESCRIPTION OF TABLE

The table is divided into separate categories that correspond to the seven screening criteria in the Consent Order. Some data meet more than one of the criteria and appear in the table multiple times. The table also presents only the instances where the results exceed criteria; therefore, all seven criteria may not appear in the table.

The criteria are as follows:

CA. The Respondents shall notify the Department orally within one business day after review of the analytical data if such data 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 maximum contaminant level in such well screen interval or spring.

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 exceeds either one-half the New Mexico water quality standard or one-half the federal maximum contaminant level, or if there is no such standard for the contaminant, one-half the EPA Region 6 human health medium-specific screening level for tap water (now the EPA Regional Screening Levels 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 perchlorate in a spring or screened interval of a well at a concentration of 2 µg/L or greater if perchlorate at such concentration has not previously been detected in the spring or screened interval.

C5. Detection of a contaminant that is a metal or other inorganic compound in a spring or screened interval of a well at a concentration that exceeds 2 times the background level for the third consecutive sampling of the spring or screened interval.

C6. Detection of a contaminant in a spring or screened interval of a well at a concentration that exceeds either one-half the New Mexico water quality standard or one-half the federal MCL, and that has increased for the third consecutive sampling of that spring or screened interval.

The next seven columns of the table give information on monitoring results obtained prior to the current result. The columns provide summary statistics for the samples collected since January 1, 2000, for the same analyte and field preparation (for example, filtered samples). The information includes the date of the first sampling event included in the statistics, the numbers 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—groundwater zone sampled by monitoring location (such as 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 to 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 3-15 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	16	21	04/18/01	0.0299	0.0299	0.0299	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/27/15	REG	UF	INIT	SVOC	Chrysene	218-01-9	0.0299	1	EPA TAP SCRN LVL	34	0	0.0167	ug/L	1	J	J	J_LAB	SW-846:8310	GELC	not found in field duplicate (FD)sample
C1	16	21	04/18/01	0.0263	0.0263	0.0263	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/27/15	REG	UF	INIT	SVOC	Pyrene	129-00-0	0.0263	1	EPA TAP SCRN LVL	120	0	0.0167	ug/L	1	J	J	J_LAB	SW-846:8310	GELC	not found in field duplicate (FD)sample
C1	15	16	01/05/09	0.165	0.165	0.165	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/23/15	REG	UF	INIT	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2	0.165	1	EPA TAP SCRN LVL	39	0	0.0851	ug/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	
C1	9	13	12/21/09	32.6	33.9	33.25	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-47i	840	01/26/15	FD	UF	INIT	SVOC	Benzoic Acid	65-85-0	33.9	1	EPA TAP SCRN LVL	75000	0	6.25	ug/L	1		NQ	NQ	SW-846:8270D	GELC	
C1	9	13	12/21/09	32.6	33.9	33.25	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-47i	840	01/26/15	REG	UF	INIT	SVOC	Benzoic Acid	65-85-0	32.6	1	EPA TAP SCRN LVL	75000	0	6	ug/L	1		NQ	NQ	SW-846:8270D	GELC	
C2	37	40	05/20/05	1.26	1.26	1.26	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	02/25/15	REG	F	INIT	METALS	Antimony	Sb	1.26	1	LANL Reg BG LVL	1	1.3	1	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C2	21	24	02/22/09	125	125	125	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-44 S2	985.3	02/17/15	REG	F	INIT	METALS	Aluminum	Al	125	1	LANL Reg BG LVL	68	1.8	68	ug/L	1	J	J	J_LAB	SW-846:6010C	GELC	
C2	35	40	06/07/05	3.45	3.5	3.475	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-34	883.7	12/22/14	FD	F	INIT	METALS	Copper	Cu	3.45	1	LANL Reg BG LVL	3	1.2	3	ug/L	1	J	J	J_LAB	SW-846:6010C	GELC	
C5	44	53	03/28/00	4580	13600	6410	53	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	01/27/15	FD	F	INIT	METALS	Barium	Ba	5700	0.9	LANL Avl BG LVL	68.57	83.1	1	ug/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	44	53	03/28/00	4580	13600	6410	53	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	01/27/15	REG	F	INIT	METALS	Barium	Ba	5650	0.9	LANL Avl BG LVL	68.57	82.4	1	ug/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	36	42	02/24/00	1.35	3.31	2.215	42	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-15	958.6	02/13/15	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.32	1	LANL Reg BG LVL	0.89	2.6	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C5	32	38	05/25/05	5.34	8.42	6.99	38	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-15	958.6	02/13/15	REG	F	INIT	GENINORG	Perchlorate	ClO4	7.22	1	LANL Reg BG LVL	0.46	15.7	0.5	ug/L	10		NQ	NQ	SW-846:6850	GELC	
C5	24	26	10/09/08	0.102	0.364	0.206	25	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	02/26/15	REG	F	INIT	GENINORG	Bromide	Br(-1)	0.259	1.3	LANL Reg BG LVL	0.1	2.6	0.067	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C5	24	26	10/09/08	40.6	56.5	50.4	26	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	02/26/15	REG	F	INIT	GENINORG	Calcium	Ca	50.1	1	LANL Reg BG LVL	24.88	2	0.05	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	24	26	10/09/08	28.7	48.3	37.85	26	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	02/26/15	REG	F	INIT	GENINORG	Chloride	Cl(-1)	44.7	1.2	LANL Reg BG LVL	3.57	12.5	0.67	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C5	24	35	10/09/08	744	1240	908	35	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	02/26/15	REG	F	INIT	METALS	Chromium	Cr	915	1	LANL Reg BG LVL	5.75	159.1	2	ug/L	1		NQ	NQ	SW-846:6020	GELC	
C5	24	26	10/09/08	11.1	15.7	14	26	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	02/26/15	REG	F	INIT	GENINORG	Magnesium	Mg	14.3	1	LANL Reg BG LVL	4.15	3.4	0.11	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	24	26	10/09/08	8.8	34	23.4	26	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	02/26/15	REG	F	INIT	METALS	Nickel	Ni	34	1.5	LANL Reg BG LVL	3.09	11	0.5	ug/L	1		NQ	NQ	SW-846:6020	GELC	
C5	24	26	10/09/08	0.057	7.03	5.965	26	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	02/26/15	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.95	1	LANL Reg BG LVL	0.89	6.7	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C5	24	26	10/09/08	1.08	1.46	1.28	26	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	02/26/15	REG	F	INIT	GENINORG	Perchlorate	ClO4	1.09	0.9	LANL Reg BG LVL	0.46	2.4	0.1	ug/L	2		NQ	NQ	SW-846:6850	GELC	
C5	24	26	10/09/08	60.6	83.2	73.65	26	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	02/26/15	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	77.4	1.1	LANL Reg BG LVL	7.2	10.8	1.33	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C5	37	40	05/20/05	0.113	0.33	0.224	37	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	02/25/15	REG	F	INIT	GENINORG	Bromide	Br(-1)	0.293	1.3	LANL Reg BG LVL	0.1	2.9	0.067	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C5	37	40	05/20/05	21.1	39.3	29.5	40	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	02/25/15	REG	F	INIT	GENINORG	Chloride	Cl(-1)	36.4	1.2	LANL Reg BG LVL	3.57	10.2	0.67	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C5	38	42	05/20/05	310	472	399.5	42	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	02/25/15	REG	F	INIT	METALS	Chromium	Cr	422	1.1	LANL Reg BG LVL	5.75	73.4	2	ug/L	1		NQ	NQ	SW-846:6020	GELC	
C5	37	40	05/20/05	8.68	12.1	10.75	40	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	02/25/15	REG	F	INIT	GENINORG	Magnesium	Mg	11.9	1.1	LANL Reg BG LVL	4.15	2.9	0.11	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	37	40	05/20/05	6.1	34	14.5	38	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	02/25/15	REG	F	INIT	METALS	Nickel	Ni	12.9	0.9	LANL Reg BG LVL	3.09	4.2	0.5	ug/L	1		NQ	NQ	SW-846:6020	GELC	
C5	35	37	05/20/05	3.1	5.39	4.15	37	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	02/25/15	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	4.21	1	LANL Reg BG LVL	0.89	4.7	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C5	35	37	09/01/05	0.802	1.13	0.975	37	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	02/25/15	REG	F	INIT	GENINORG	Perchlorate	ClO4	0.962	1	LANL Reg BG LVL	0.46	2.1	0.05	ug/L	1		NQ	NQ	SW-846:6850	GELC	
C5	37	40	05/20/05	38.1	56.4	43.95	40	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	02/25/15	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	52.3	1.2	LANL Reg BG LVL	7.2	7.3	1.33	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C5	19	23	02/28/09	8.4	33.6	17.5	23	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-45 S1	880	02/18/15	REG	F	INIT	METALS	Chromium	Cr	27.3	1.6	LANL Reg BG LVL	5.75	4.7	2	ug/L	1		NQ	NQ	SW-846:6020	GELC	
C5	19	19	02/28/09	0.256	3.47	2.28	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-45 S1	880	02/18/15	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.47	1.5	LANL Reg BG LVL	0.89	3.9	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	highest result
C5	19	24	03/05/09	6.1	17.2	9.05	23	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-45 S2	974.9	02/19/15	REG	F	INIT	METALS	Chromium	Cr	17.2	1.9	LANL Reg BG LVL	5.75	3	2	ug/L	1		NQ	NQ	SW-846:6020	GELC	highest result
C5	21	27	03/06/10	49.8	126	84.6	27	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-50 S1	1077	02/23/15	REG	F	INIT	METALS	Chromium	Cr	117	1.4	LANL Reg BG LVL	5.75	20.3	2	ug/L	1		NQ	NQ	SW-846:6020	GELC	

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	21	25	02/17/09	7.34	18.7	13.7	25	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-44 S1	895	02/17/15	REG	F	INIT	METALS	Chromium	Cr	17	1.2	LANL Reg BG LVL	5.75	3	2	ug/L	1		NQ	NQ	SW-846:6020	GELC	
C5	62	77	01/10/00	146	266	189	71	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	01/27/15	REG	F	INIT	METALS	Barium	Ba	202	1.1	LANL Int BG LVL	71.83	2.8	1	ug/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	14	19	01/29/07	13.9	42	19.8	19	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	01/27/15	REG	F	INIT	GENINORG	Chloride	Cl(-1)	21.9	1.1	LANL Int BG LVL	7.78	2.8	0.335	mg/L	5		NQ	NQ	EPA:300.0	GELC	
C5	13	18	01/29/07	0.518	0.717	0.604	18	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	01/27/15	REG	F	INIT	GENINORG	Perchlorate	ClO4	0.717	1.2	LANL Int BG LVL	0.05	14.3	0.05	ug/L	1		NQ	NQ	SW-846:6850	GELC	
C5	58	65	01/10/00	122	243	174	58	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/27/15	FD	F	INIT	METALS	Barium	Ba	167	1	LANL Int BG LVL	71.83	2.3	1	ug/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	58	65	01/10/00	122	243	174	58	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/27/15	REG	F	INIT	METALS	Barium	Ba	168	1	LANL Int BG LVL	71.83	2.3	1	ug/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	54	61	01/10/00	570	2840	1700	61	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/27/15	FD	F	INIT	METALS	Boron	B	839	0.5	LANL Int BG LVL	15.12	55.5	15	ug/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	54	61	01/10/00	570	2840	1700	61	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/27/15	REG	F	INIT	METALS	Boron	B	841	0.5	LANL Int BG LVL	15.12	55.6	15	ug/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	14	19	01/30/07	18.3	44.2	23	19	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/27/15	FD	F	INIT	GENINORG	Chloride	Cl(-1)	44.1	1.9	LANL Int BG LVL	7.78	5.7	0.67	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C5	14	19	01/30/07	18.3	44.2	23	19	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/27/15	REG	F	INIT	GENINORG	Chloride	Cl(-1)	44.2	1.9	LANL Int BG LVL	7.78	5.7	0.67	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C5	12	16	01/30/07	0.459	0.707	0.561	16	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/27/15	FD	F	INIT	GENINORG	Perchlorate	ClO4	0.543	1	LANL Int BG LVL	0.05	10.9	0.05	ug/L	1		NQ	NQ	SW-846:6850	GELC	
C5	12	16	01/30/07	0.459	0.707	0.561	16	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/27/15	REG	F	INIT	GENINORG	Perchlorate	ClO4	0.543	1	LANL Int BG LVL	0.05	10.9	0.05	ug/L	1		NQ	NQ	SW-846:6850	GELC	
C5	58	65	01/10/00	17	50.2	34.3	65	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/27/15	FD	F	INIT	GENINORG	Sodium	Na	44	1.3	LANL Int BG LVL	12.19	3.6	0.1	mg/L	1	E	NQ	NQ	SW-846:6010C	GELC	
C5	58	65	01/10/00	17	50.2	34.3	65	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/27/15	REG	F	INIT	GENINORG	Sodium	Na	43.4	1.3	LANL Int BG LVL	12.19	3.6	0.1	mg/L	1	E	NQ	NQ	SW-846:6010C	GELC	
C5	12	13	01/05/09	0.208	0.306	0.286	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/23/15	REG	F	INIT	GENINORG	Perchlorate	ClO4	0.28	1	LANL Int BG LVL	0.05	5.6	0.05	ug/L	1		NQ	NQ	SW-846:6850	GELC	
C5	26	36	10/21/08	59.5	73.6	66.9	36	Sandia Canyon	Intermediate	SCI-2	548	02/19/15	REG	F	INIT	GENINORG	Calcium	Ca	71.2	1.1	LANL Int BG LVL	17.31	4.1	0.05	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	26	34	10/21/08	53.4	71.9	60.35	34	Sandia Canyon	Intermediate	SCI-2	548	02/19/15	REG	F	INIT	GENINORG	Chloride	Cl(-1)	69.2	1.1	LANL Int BG LVL	7.78	8.9	0.67	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C5	26	41	10/21/08	368	658	502	41	Sandia Canyon	Intermediate	SCI-2	548	02/19/15	REG	F	INIT	METALS	Chromium	Cr	433	0.9	LANL Int BG LVL	1	433	2	ug/L	1		NQ	NQ	SW-846:6020	GELC	
C5	25	34	10/21/08	13.1	17.3	15.55	34	Sandia Canyon	Intermediate	SCI-2	548	02/19/15	REG	F	INIT	GENINORG	Magnesium	Mg	17	1.1	LANL Int BG LVL	6.12	2.8	0.11	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	26	36	10/21/08	14.5	19.3	16.9	36	Sandia Canyon	Intermediate	SCI-2	548	02/19/15	REG	F	INIT	METALS	Nickel	Ni	16.9	1	LANL Int BG LVL	1	16.9	0.5	ug/L	1		NQ	NQ	SW-846:6020	GELC	
C5	26	34	10/21/08	0.918	1.12	0.9885	34	Sandia Canyon	Intermediate	SCI-2	548	02/19/15	REG	F	INIT	GENINORG	Perchlorate	ClO4	0.932	0.9	LANL Int BG LVL	0.05	18.6	0.05	ug/L	1		NQ	NQ	SW-846:6850	GELC	
C5	26	36	10/21/08	278	350	323.5	36	Sandia Canyon	Intermediate	SCI-2	548	02/19/15	REG	F	INIT	METALS	Strontium	Sr	320	1	LANL Int BG LVL	154.8	2.1	1	ug/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	26	34	10/21/08	77.9	103	88.25	34	Sandia Canyon	Intermediate	SCI-2	548	02/19/15	REG	F	INIT	GENINORG	Sulfate	SO4(-2)	93.6	1.1	LANL Int BG LVL	40.03	2.3	1.33	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C5	26	34	10/21/08	354	451	415.5	34	Sandia Canyon	Intermediate	SCI-2	548	02/19/15	REG	F	INIT	GENINORG	Total Dissolved Solids	TDS	386	0.9	LANL Int BG LVL	127	3	3.4	mg/L	1		NQ	NQ	EPA:160.1	GELC	
C5	10	13	12/21/09	0.222	0.272	0.246	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-47i	840	01/26/15	FD	F	INIT	GENINORG	Perchlorate	ClO4	0.253	1	LANL Int BG LVL	0.05	5.1	0.05	ug/L	1		NQ	NQ	SW-846:6850	GELC	
C5	10	13	12/21/09	0.222	0.272	0.246	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-47i	840	01/26/15	REG	F	INIT	GENINORG	Perchlorate	ClO4	0.255	1	LANL Int BG LVL	0.05	5.1	0.05	ug/L	1		NQ	NQ	SW-846:6850	GELC	
C5	10	11	02/08/10	1.41	5.23	2.67	11	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CDV-37-1(i)	632	02/06/15	REG	F	INIT	METALS	Nickel	Ni	4.07	1.5	LANL Int BG LVL	1	4.1	0.5	ug/L	1		NQ	NQ	SW-846:6020	GELC	
C5	9	10	02/08/10	0.112	0.257	0.126	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CDV-37-1(i)	632	02/06/15	REG	F	INIT	GENINORG	Perchlorate	ClO4	0.127	1	LANL Int BG LVL	0.05	2.5	0.05	ug/L	1	J	J	J_LAB	SW-846:6850	GELC	
C5	10	11	02/08/10	3.51	30.7	10.035	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CDV-37-1(i)	632	02/06/15	REG	F	INIT	METALS	Zinc	Zn	6.14	0.6	LANL Int BG LVL	2	3.1	3.3	ug/L	1	J	J	J_LAB	SW-846:6010C	GELC	
C5	9	9	12/11/09	0.112	0.134	0.123	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-27i	619	02/06/15	REG	F	INIT	GENINORG	Perchlorate	ClO4	0.112	0.9	LANL Int BG LVL	0.05	2.2	0.05	ug/L	1	J	J	J_LAB	SW-846:6850	GELC	
C5	8	8	08/08/11	0.136	0.19	0.157	8	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Vine Tree Spring	0	12/16/14	REG	F	INIT	GENINORG	Bromide	Br(-1)	0.16	1	LANL Int BG LVL	0.03	5.3	0.067	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
C5	8	8	08/08/11	0.438	0.693	0.471	8	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Vine Tree Spring	0	12/16/14	REG	F	INIT	GENINORG	Fluoride	F(-1)	0.475	1	LANL Int BG LVL	0.23	2.1	0.033	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C5	8	8	08/08/11	4.86	6.54	5.53	8	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Vine Tree Spring	0	12/16/14	REG	F	INIT	GENINORG	Perchlorate	ClO4	6.54	1.2	LANL Int BG LVL	0.05	130.8	0.5	ug/L	10		NQ	NQ	SW-846:6850	GELC	highest result
C5	8	8	08/08/11	1.39	2.16	1.77	8	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Vine Tree Spring	0	12/16/14	REG	F	INIT	GENINORG	Uranium	U	1.78	1	LANL Int BG LVL	0.72	2.5	0.067	ug/L	1		NQ	NQ	SW-846:6020	GELC	
C5	11	16	03/26/12	1.64	11.7	8.07	16	Sandia Canyon	Regional	R-62	1158.4	02/24/15	REG	F	INIT	GENINORG	Chloride	Cl(-1)	9.2	1.1	LANL Reg BG LVL	3.57	2.6	0.067	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C5	11	16	03/26/12	104	240	135.5	16	Sandia Canyon	Regional	R-62	1158.4	02/24/15	REG	F	INIT	METALS	Chromium	Cr	136	1	LANL Reg BG LVL	5.75	23.7	2	ug/L	1		NQ	NQ	SW-846:6020	GELC	
C5	40	50	05/17/05	13.5	34.9	21.55	50	Sandia Canyon	Regional	R-11	855	02/12/15	REG	F	INIT	METALS	Chromium	Cr	24	1.1	LANL Reg BG LVL	5.75	4.2	2	ug/L	1		NQ	NQ	SW-846:6020	GELC	
C5	39	47	05/17/05	2.27	7.43	5.15	47	Sandia Canyon	Regional	R-11	855	02/12/15	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.95	1.2	LANL Reg BG LVL	0.89	6.7	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C5	27	35	08/29/07	15.5	62.3	30.2	35	Sandia Canyon	Regional	R-35b	825.4	02/20/15	REG	F	INIT	METALS	Zinc	Zn	17.6	0.6	LANL Reg BG LVL	3.89	4.5	3.3	ug/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	27	28	08/30/07	68	389	342.5	28	Sandia Canyon	Regional	R-35a	1013.1	02/25/15	REG	F	INIT	METALS	Barium	Ba	347	1	LANL Reg BG LVL	56.83	6.1	1	ug/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	24	27	03/12/08	1.25	2.78	2.3	27	Sandia Canyon	Regional	R-36	766.9	02/12/15	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.33	1	LANL Reg BG LVL	0.89	2.6	0.085	mg/L	5		NQ	NQ	EPA:353.2	GELC	
C5	23	26	03/12/08	0.845	1.74	1.585	26	Sandia Canyon	Regional	R-36	766.9	02/12/15	REG	F	INIT	GENINORG	Perchlorate	ClO4	1.48	0.9	LANL Reg BG LVL	0.46	3.2	0.1	ug/L	2		NQ	NQ	SW-846:6850	GELC	

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	24	27	03/12/08	45.2	91.1	58.4	27	Sandia Canyon	Regional	R-36	766.9	02/12/15	REG	F	INIT	METALS	Zinc	Zn	45.2	0.8	LANL Reg BG LVL	3.89	11.6	3.3	ug/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	26	29	11/30/05	6.7	111	9.545	28	Sandia Canyon	Regional	R-10a	690	12/22/14	REG	F	INIT	METALS	Zinc	Zn	7.9	0.8	LANL Reg BG LVL	3.89	2	3.3	ug/L	1	J	J	J_LAB	SW-846:6010C	GELC	
C5	41	46	03/23/00	2030	5150	3195	46	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	01/28/15	REG	F	INIT	METALS	Barium	Ba	2960	0.9	LANL Avl BG LVL	68.57	43.2	1	ug/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	11	13	01/23/07	0.158	0.935	0.395	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	01/28/15	REG	F	INIT	GENINORG	Perchlorate	ClO4	0.935	2.4	LANL Avl BG LVL	0.05	18.7	0.1	ug/L	2		NQ	NQ	SW-846:6850	GELC	
C5	32	35	06/09/05	0.083	0.157	0.133	29	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689.04	02/20/15	REG	F	INIT	GENINORG	Bromide	Br(-1)	0.137	1	LANL Int BG LVL	0.03	4.6	0.067	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
C5	32	40	06/09/05	1.1	8.06	3.945	34	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689.04	02/20/15	REG	F	INIT	METALS	Chromium	Cr	5.57	1.4	LANL Int BG LVL	1	5.6	2	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C5	32	35	06/09/05	68.7	132	88.1	35	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689.04	02/20/15	REG	F	INIT	GENINORG	Perchlorate	ClO4	78.8	0.9	LANL Int BG LVL	0.05	1576	5	ug/L	100		NQ	NQ	SW-846:6850	GELC	
C5	38	55	06/15/05	25.4	51.9	40.8	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	FD	F	INIT	METALS	Boron	B	46.8	1.1	LANL Int BG LVL	15.12	3.1	15	ug/L	1	J	J	J_LAB	SW-846:6010C	GELC	
C5	38	55	06/15/05	25.4	51.9	40.8	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	REG	F	INIT	METALS	Boron	B	45.3	1.1	LANL Int BG LVL	15.12	3	15	ug/L	1	J	J	J_LAB	SW-846:6010C	GELC	
C5	38	55	06/15/05	0.212	0.703	0.5965	52	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	FD	F	INIT	GENINORG	Bromide	Br(-1)	0.575	1	LANL Int BG LVL	0.03	19.2	0.067	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C5	38	55	06/15/05	0.212	0.703	0.5965	52	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	REG	F	INIT	GENINORG	Bromide	Br(-1)	0.571	1	LANL Int BG LVL	0.03	19	0.067	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C5	38	55	06/15/05	42.8	75.5	63.9	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	FD	F	INIT	GENINORG	Calcium	Ca	59.7	0.9	LANL Int BG LVL	17.31	3.4	0.05	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	38	55	06/15/05	42.8	75.5	63.9	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	REG	F	INIT	GENINORG	Calcium	Ca	58.8	0.9	LANL Int BG LVL	17.31	3.4	0.05	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	38	55	06/15/05	21.2	64.8	49.6	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	FD	F	INIT	GENINORG	Chloride	Cl(-1)	57.7	1.2	LANL Int BG LVL	7.78	7.4	0.67	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C5	38	55	06/15/05	21.2	64.8	49.6	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	REG	F	INIT	GENINORG	Chloride	Cl(-1)	57.4	1.2	LANL Int BG LVL	7.78	7.4	0.67	mg/L	10		NQ	NQ	EPA:300.0	GELC	
C5	38	58	06/15/05	29.4	81.3	51.35	58	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	FD	F	INIT	METALS	Chromium	Cr	75.1	1.5	LANL Int BG LVL	1	75.1	2	ug/L	1		NQ	NQ	SW-846:6020	GELC	
C5	38	58	06/15/05	29.4	81.3	51.35	58	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	REG	F	INIT	METALS	Chromium	Cr	74.1	1.4	LANL Int BG LVL	1	74.1	2	ug/L	1		NQ	NQ	SW-846:6020	GELC	
C5	38	55	06/15/05	0.412	0.635	0.5345	52	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	FD	F	INIT	GENINORG	Fluoride	F(-1)	0.529	1	LANL Int BG LVL	0.23	2.3	0.033	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C5	38	55	06/15/05	0.412	0.635	0.5345	52	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	REG	F	INIT	GENINORG	Fluoride	F(-1)	0.525	1	LANL Int BG LVL	0.23	2.3	0.033	mg/L	1		NQ	NQ	EPA:300.0	GELC	
C5	38	55	06/15/05	8.49	15.7	13	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	FD	F	INIT	GENINORG	Magnesium	Mg	12.4	1	LANL Int BG LVL	6.12	2	0.11	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	38	55	06/15/05	8.49	15.7	13	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	REG	F	INIT	GENINORG	Magnesium	Mg	12.3	0.9	LANL Int BG LVL	6.12	2	0.11	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	38	55	06/15/05	2.9	41.8	16.7	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	FD	F	INIT	METALS	Nickel	Ni	34.6	2.1	LANL Int BG LVL	1	34.6	0.5	ug/L	1		NQ	NQ	SW-846:6020	GELC	
C5	38	55	06/15/05	2.9	41.8	16.7	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	REG	F	INIT	METALS	Nickel	Ni	35.6	2.1	LANL Int BG LVL	1	35.6	0.5	ug/L	1		NQ	NQ	SW-846:6020	GELC	
C5	38	55	06/15/05	7.62	20.4	11	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	FD	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	8.71	0.8	LANL Int BG LVL	2.41	3.6	0.17	mg/L	10		NQ	NQ	EPA:353.2	GELC	
C5	38	55	06/15/05	7.62	20.4	11	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	REG	F	INIT	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	8.14	0.7	LANL Int BG LVL	2.41	3.4	0.17	mg/L	10		NQ	NQ	EPA:353.2	GELC	
C5	38	55	06/15/05	56.3	246	81.9	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	FD	F	INIT	GENINORG	Perchlorate	ClO4	61.1	0.7	LANL Int BG LVL	0.05	1222	5	ug/L	100		NQ	NQ	SW-846:6850	GELC	
C5	38	55	06/15/05	56.3	246	81.9	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	REG	F	INIT	GENINORG	Perchlorate	ClO4	62.9	0.8	LANL Int BG LVL	0.05	1258	5	ug/L	100		NQ	NQ	SW-846:6850	GELC	
C5	38	55	06/15/05	19.5	29.4	25.6	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	FD	F	INIT	GENINORG	Sodium	Na	29.4	1.1	LANL Int BG LVL	12.19	2.4	0.1	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	38	55	06/15/05	19.5	29.4	25.6	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	REG	F	INIT	GENINORG	Sodium	Na	28.9	1.1	LANL Int BG LVL	12.19	2.4	0.1	mg/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	38	55	06/15/05	298	497	403	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	FD	F	INIT	GENINORG	Total Dissolved Solids	TDS	409	1	LANL Int BG LVL	127	3.2	3.4	mg/L	1		NQ	NQ	EPA:160.1	GELC	
C5	38	55	06/15/05	298	497	403	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	REG	F	INIT	GENINORG	Total Dissolved Solids	TDS	451	1.1	LANL Int BG LVL	127	3.6	3.4	mg/L	1		NQ	NQ	EPA:160.1	GELC	
C5	38	55	06/15/05	15.9	288	32.8	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	FD	F	INIT	METALS	Zinc	Zn	26.8	0.8	LANL Int BG LVL	2	13.4	3.3	ug/L	1		NQ	NQ	SW-846:6010C	GELC	
C5	38	55	06/15/05	15.9	288	32.8	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/15	REG	F	INIT	METALS	Zinc	Zn	26.7	0.8	LANL Int BG LVL	2	13.3	3.3	ug/L	1		NQ	NQ	SW-846:6010C	GELC	
C6	26	41	10/21/08	368	658	502	41	Sandia Canyon	Intermediate	SCI-2	548	02/19/15	REG	F	INIT	METALS	Chromium	Cr	433	0.9	NM GW STD	50	8.7	2	ug/L	1		NQ	NQ	SW-846:6020	GELC	
C6	8	8	08/08/11	4.86	6.54	5.53	8	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Vine Tree Spring	0	12/16/14	REG	F	INIT	GENINORG	Perchlorate	ClO4	6.54	1.2	Consent Order	4	1.6	0.5	ug/L	10		NQ	NQ	SW-846:6850	GELC	highest result