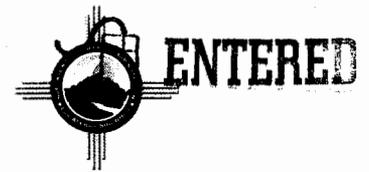


Environmental Programs
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National Nuclear Security Administration
Los Alamos Site Office, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
(505) 667-4255/FAX (505) 606-2132

Date: APR 25 2012
Refer To: EP2012-0087

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

Subject: Review of March 2012 Groundwater Data



Dear Mr. Kieling:

Members of the Los Alamos National Laboratory Environmental Programs staff met on April 12, 2012, to review new groundwater data received in March 2012. At that time, several groundwater samples were identified with contaminant concentrations above the New Mexico Water Quality Control Commission or federal water quality standards.

An Environmental Programs staff member notified the New Mexico Environment Department Hazardous Waste Bureau about these findings by email on April 12, 2012, and followed up with a phone call (voice message) on the same day.

The three instances of a contaminant above a standard for the first time (based on samples collected since June 14, 2007) are tabulated in the attached report. These instances are the following.

- A January 12, 2012, sample from the 892-ft intermediate screen (screen 2) of Cañon de Valle well R-25 contained filtered iron, manganese, and nickel above their respective New Mexico groundwater standards. The last sample collected for off-site metals analysis was in 2005, and filtered iron and nickel concentrations were above the standards at that time. The new sample contained filtered iron at 20,900 µg/L, above the 1000 µg/L standard; earlier values were 2310 µg/L or lower.
- The January 12, 2012, sample from R-25 screen 2 contained filtered manganese at 686 µg/L, above the 200 µg/L standard; earlier values were 150 µg/L or lower.
- The January 12, 2012, sample from R-25 screen 2 contained filtered nickel at 3730 µg/L, above the 200 µg/L standard; earlier values were 520 µg/L or lower.

All instances of contaminants above standards described above are considered to be associated with conditions in the well and not confirmed groundwater contaminants.



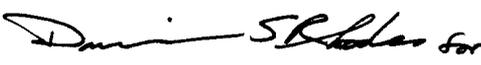
This letter is our written submission that meets notification requirements laid out in Section IV.A.3.g of the Compliance Order on Consent, modified on May 13, 2008. The required information for the contaminants and other chemical parameters that meet the seven screening criteria contained in that section 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@nnsa.doe.gov).

Sincerely,


Michael J. Graham, Associate Director
Environmental Programs
Los Alamos National Laboratory

Sincerely,


Peter Maggiore, Assistant Manager
Environmental Projects Office
Los Alamos Site Office

MG/PM/CD/SP/DR:sm

Enclosure: Two hard copies with electronic files – Summary of New Los Alamos National Laboratory Groundwater Data Loaded in March 2012 (LA-UR-12-20518)

Cy: (w/enc.)
Hai Shen, DOE-LASO, MS A316
Steve Paris, EP-CAP, MS M992
RPF, MS M707 (electronic copy)
Public Reading Room, MS M992 (hard copy)

Cy: (Letter and CD/DVD only)
Laurie King, EPA Region 6, Dallas, TX
Neil Weber, San Ildefonso Pueblo, NM
Jake Chavarria, Santa Clara Pueblo, NM
Ed Worth, DOE-LASO, MS A316
Jake Meadows, ENV-RCRA, MS K490
Steve Yanicak, NMED-OB, MS M894
William Alexander, EP-BPS, MS M992

Cy: (w/o enc.)
Pete Padilla, Los Alamos County Utility Department, Los Alamos, NM
Tom Skibitski, NMED-OB, Santa Fe, NM (date-stamped letter emailed)
Annette Russell, DOE-LASO (date-stamped letter emailed)
David Rogers, EP-ET, MS M992 (date-stamped letter emailed)
Mei Ding, EES-6, MS J514 (date-stamped letter emailed)
Craig Douglass, EP-CAP, MS M992 (date-stamped letter emailed)
Michael J. Graham, ADEP, MS M991 (date-stamped letter emailed)

SUMMARY OF NEW LOS ALAMOS NATIONAL LABORATORY GROUNDWATER DATA LOADED IN MARCH 2012

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. This report contains results for chemical constituents that meet the seven screening criteria laid out in the Compliance Order on Consent (Consent Order), modified May 13, 2008. 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 3-12 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 are often similar to data gathered before June 14, 2007.

This table includes additional comments on the significance of the results for those that appear to be exceptional or are first-time occurrences of results based on considering monitoring data acquired before June 14, 2007 (using statistics described below).

The table contains supplemental information summarizing monitoring results obtained before June 14, 2007.

The table includes sampling date, the name of the well or spring, the location of the well or spring, the depth of the screened interval, the 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. The definitions for abbreviations in the table may be found at <http://www.lanl.gov/environment/all/racer.shtml>.

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). In the table, the EPA Regional Screening Levels for tap water are identified as being for cancer (10^{-5} excess) or noncancer risk values. The data were screened using 10 times the EPA's 10^{-6} excess cancer risk values, 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 and included below: they are labeled C1 through C6 and CA for cases where the concentration of a constituent in a well screen or spring has not previously exceeded either the New Mexico Water Quality Control Commission (NMWQCC) standard or the federal MCLs. Some data meet one or more than one criteria and appear in the table multiple times. The table also presents only the instances where the results exceed criteria; therefore, not all seven criteria may 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 over a longer time frame than samples collected after June 14, 2007. 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 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

Port Depth—depth of top of well screen in feet (0 for springs, -1 if unknown)

Start Date—sample date

Fld QC Type Code—identifies samples that are field duplicates (definitions for these and other abbreviations may be found at <http://www.lanl.gov/environment/all/racer.shtml>)

Fld Prep—identifies whether samples are filtered or unfiltered

Lab Sample Type Code—indicates whether result is a primary (customer) sample or reanalysis

Anyl Suite—gives 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—the analytical result in standard measurement units

Result/Median—the ratio of the Std Result to the median of all detections since 2000

LVL Type/Risk Code—the type of regulatory standard, screening level, or background value (indicating groundwater zone) used for comparison

Screen Level—the value of the LVL Type/Risk Code

Exceedance Ratio—the ratio of Std Result to LVL Type/Risk Code, divided by the basis for comparison in the criterion. For example, for a criterion (such as C3) that compares the value to 1/2 the standard, a value equal to a standard has an exceedance ratio of 2.

- C1, C2, and CA refer to a screening value so the exceedance ratio compares the result directly to the screening value.
- C3, C4, and C6 refer to 1/2 of a screening value so the exceedance ratio compares the result to 1/2 the screening value.
- C5 refers to 2 times a screening value so the exceedance ratio compares the result to 2 times the screening value.

Std Mdl—the method detection limit in standard measurement units

Std UOM—the standard units of measurement

Dilution Factor—amount by which the sample was diluted to measure the concentration

Lab Qual Code—the analytical laboratory qualifiers indicating analytical quality of the sample

Concat Flag Code—concatenated secondary validation qualifiers produced by an independent contractor who reviews data packages, verifying, for example, that holding times were met, that all documentation is present, and that analytical laboratory quality control measures were applied, documented, and kept within contract requirements

Concat Reason Code—concatenated secondary validation codes explaining assignment of qualifiers

Anyl Meth Code—analytical method number

Lab Code—analytical laboratory name

Comment—a comment on the analytical result

Table 1: NMED 3-12 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
C1	2	2	08/08/11	0.32	0.32	0.32	1	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Vine Tree Spring	0	12/12/11		UF	CS	VOA	Chloromethane	0.32	1.00	EPA TAP SCRNLVL N	190	0.0	0.3	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C1	34	39	03/23/00	0.3	0.52	0.41	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	01/20/12		UF	CS	VOA	Chloromethane	0.3	0.73	EPA TAP SCRNLVL N	190	0.0	0.3	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C1	34	39	03/23/00	2.47	2.47	2.47	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	01/20/12		UF	CS	VOA	Butanone[2-]	2.47	1.00	EPA TAP SCRNLVL N	7100	0.0	1.3	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C1	1	2	01/16/12	0.59	0.67	0.63	2	Los Alamos Canyon	Regional	R-66	0	01/16/12		UF	CS	VOA	Toluene	0.59	0.94	NM GW STD	750	0.0	0.25	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C1	1	2	01/16/12	0.59	0.67	0.63	2	Los Alamos Canyon	Regional	R-66	0	01/16/12	FD	UF	CS	VOA	Toluene	0.67	1.06	NM GW STD	750	0.0	0.25	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C2	2	2	08/08/11	3.93	3.93	3.93	1	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Vine Tree Spring	0	12/12/11		F	CS	METALS	Zinc	3.93	1.00	LANL Int BG LVL	2	2.0	3.3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	8	10	01/23/07	53.9	81.7	68.9	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	01/20/12		F	CS	GENINORG	Alkalinity-CO3+HCO3	81.7	1.19	LANL Avl BG LVL	76	1.1	0.73	mg/L	1				EPA:310.1	GELC	
C2	36	41	03/23/00	14.8	32	19.3	41	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	01/20/12		F	CS	GENINORG	Calcium	26.5	1.37	LANL Avl BG LVL	26.36	1.0	0.05	mg/L	1				SW-846:6010B	GELC	
C2	36	41	03/23/00	0.964	5.66	1.7	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	01/20/12		F	CS	METALS	Cobalt	2.19	1.29	LANL Avl BG LVL	0.5	4.4	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	1	1	01/25/12	97.8	97.8	97.8	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-611923	3.2	01/25/12		F	CS	GENINORG	Alkalinity-CO3+HCO3	97.8	1.00	LANL Avl BG LVL	76	1.3	0.73	mg/L	1				EPA:310.1	GELC	
C2	1	1	01/25/12	0.131	0.131	0.131	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-611923	3.2	01/25/12		F	CS	GENINORG	Bromide	0.131	1.00	LANL Avl BG LVL	0.07	1.9	0.066	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
C2	1	1	01/25/12	0.184	0.184	0.184	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-611923	3.2	01/25/12		F	CS	GENINORG	Perchlorate	0.184	1.00	LANL Avl BG LVL	0.05	3.7	0.05	ug/L	1	J	J	J_LAB	SW-846:6850	GELC	
C2	1	1	01/25/12	0.0833	0.0833	0.0833	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-611923	3.2	01/25/12		F	CS	GENINORG	Ammonia as Nitrogen	0.0833	1.00	LANL Avl BG LVL	0.04	2.1	0.016	mg/L	1				EPA:350.1	GELC	
C2	1	1	01/25/12	214	214	214	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-611923	3.2	01/25/12		F	CS	GENINORG	Total Dissolved Solids	214	1.00	LANL Avl BG LVL	139	1.5	3.4	mg/L	1		J	I4a	EPA:160.1	GELC	
C2	7	13	04/02/10	2.96	2.96	2.96	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-611923	3.2	01/25/12		F	CS	METALS	Vanadium	2.96	1.00	LANL Avl BG LVL	1	3.0	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	38	45	03/28/00	1.5	4.42	1.9	7	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	01/19/12		F	CS	METALS	Copper	4.42	2.33	LANL Avl BG LVL	3	1.5	3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	56	71	01/10/00	1.1	31.3	3.3	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	01/10/12		F	CS	METALS	Zinc	3.47	1.05	LANL Int BG LVL	2	1.7	3.3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	16	20	08/25/05	109	155	143	20	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/18/12		F	CS	METALS	Strontium	155	1.08	LANL Int BG LVL	154.76	1.0	1	ug/L	1				SW-846:6010B	GELC	
C2	17	20	04/13/05	0.0702	0.0702	0.0702	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-26	659.3	01/26/12		F	CS	GENINORG	Bromide	0.0702	1.00	LANL Int BG LVL	0.03	2.3	0.066	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
C2	6	9	04/20/10	0.284	0.838	0.57	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	16-26644	130	01/13/12		F	CS	METALS	Uranium	0.838	1.47	LANL Int BG LVL	0.72	1.2	0.067	ug/L	1				SW-846:6020	GELC	
C2	5	5	05/04/01	55.7	190	86.4	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	GENINORG	Alkalinity-CO3+HCO3	55.7	0.64	LANL Int BG LVL	52	1.1	0.73	mg/L	1				EPA:310.1	GELC	
C2	6	7	11/15/00	0.095	0.216	0.156	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	GENINORG	Bromide	0.216	1.38	LANL Int BG LVL	0.03	7.2	0.066	mg/L	1				EPA:300.0	GELC	
C2	6	7	11/15/00	8.81	25.3	11	7	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	GENINORG	Chloride	25.3	2.30	LANL Int BG LVL	7.78	3.3	0.13	mg/L	2				EPA:300.0	GELC	
C2	6	6	11/15/00	17.4	108	64.5	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	GENINORG	Sodium	17.4	0.27	LANL Int BG LVL	12.19	1.4	0.1	mg/L	1				SW-846:6010B	GELC	
C2	3	3	02/05/02	0.665	18.1	7.38	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	GENINORG	Total Phosphate as Phosphorus	0.665	0.09	LANL Int BG LVL	0.08	8.3	0.015	mg/L	1		J	I4a	EPA:365.4	GELC	
C2	4	5	08/08/02	167	376	335	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	GENINORG	Total Dissolved Solids	167	0.50	LANL Int BG LVL	127	1.3	3.4	mg/L	1				EPA:160.1	GELC	
C2	6	6	11/15/00	167	640	425	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	METALS	Boron	167	0.39	LANL Int BG LVL	15.12	11.0	15	ug/L	1				SW-846:6010B	GELC	
C2	6	6	11/15/00	7.2	36.8	22	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	METALS	Cobalt	36.8	1.67	LANL Int BG LVL	0.5	73.6	1	ug/L	1				SW-846:6010B	GELC	
C2	6	6	11/15/00	0.71	19.1	1.52	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	METALS	Chromium	19.1	12.57	LANL Int BG LVL	1	19.1	2	ug/L	1				SW-846:6020	GELC	First sample since 2005, one of the highest F values in R-25; values before 2005 were 2 ug/L or lower
C2	6	6	11/15/00	117	20900	310	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	METALS	Iron	20900	67.42	LANL Int BG LVL	839.99	24.9	30	ug/L	1				SW-846:6010B	GELC	First sample since 2005, values before 2005 were 2300 ug/L or lower
C2	6	6	11/15/00	9.1	686	17.7	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	METALS	Manganese	686	38.76	LANL Int BG LVL	2	343.0	2	ug/L	1				SW-846:6010B	GELC	First sample since 2005, values before 2005 were 150 ug/L or lower
C2	6	6	11/15/00	5.78	21	10.4	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	METALS	Molybdenum	5.78	0.56	LANL Int BG LVL	2	2.9	0.17	ug/L	1				SW-846:6020	GELC	
C2	6	6	11/15/00	2	3730	6	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	METALS	Nickel	3730	621.67	LANL Int BG LVL	1	3730.0	50	ug/L	100				SW-846:6020	GELC	First sample since 2005, values before 2005 were 520 ug/L or lower
C2	1	1	01/12/12	58.2	58.2	58.2	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	METALS	Silicon Dioxide	58.2	1.00	LANL Int BG LVL	50.72	1.2	0.053	mg/L	1				SW-846:6010B	GELC	
C2	6	6	11/15/00	2.8	9.44	7.46	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	METALS	Zinc	9.44	1.27	LANL Int BG LVL	2	4.7	3.3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
C2	12	12	02/12/07	0.0528	0.0528	0.0528	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1606	01/17/12		F	CS	GENINORG	Ammonia as Nitrogen	0.0528	1.00	LANL Reg BG LVL	0.05	1.1	0.016	mg/L	1				EPA:350.1	GELC	
C3	6	6	11/15/00	7.2	36.8	22	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	METALS	Cobalt	36.8	1.67	NM GW STD	50	1.5	1	ug/L	1				SW-846:6010B	GELC	
C3	6	6	11/15/00	117	20900	310	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	METALS	Iron	20900	67.42	NM GW STD	1000	41.8	30	ug/L	1				SW-846:6010B	GELC	First sample since 2005, values before 2005 were 2300 ug/L or lower
C3	6	6	11/15/00	9.1	686	17.7	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	METALS	Manganese	686	38.76	NM GW STD	200	6.9	2	ug/L	1				SW-846:6010B	GELC	First sample since 2005, values before 2005 were 150 ug/L or lower
C3	6	6	11/15/00	2	3730	6	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	METALS	Nickel	3730	621.67	NM GW STD	200	37.3	50	ug/L	100				SW-846:6020	GELC	First sample since 2005, values before 2005 were 520 ug/L or lower
C5	4	5	05/20/11	2.96	7.37	5.96	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-61	1125	02/07/12		F	CS	GENINORG	Perchlorate	7.37	1.24	LANL Reg BG LVL	0.46	8.0	0.5	ug/L	10				SW-846:6850	GELC	above CO screening level, highest of 4 sample events
C5	4	5	05/20/11	0.77	10.1	1.08	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-61	1125	02/07/12		UF	CS	GENINORG	Total Organic Carbon	0.86	0.80	LANL Reg BG LVL	0.33	1.3	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC	
C5	4	5	05/20/11	1.8	2.85	2.34	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-61	1125	02/07/12		F	CS	METALS	Cobalt	1.8	0.77	LANL Reg BG LVL	0.5	1.8	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	4	5	05/20/11	35.3	2550	920	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-61	1125	02/07/12		F	CS	METALS	Iron	1150	1.25	LANL Reg BG LVL	21	27.4	30	ug/L	1				SW-846:6010B	GELC	values somewhat steady
C5	4	5	05/20/11	113	1100	902	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-61	1125	02/07/12		F	CS	METALS	Manganese	554	0.61	LANL Reg BG LVL	2.94	94.2	2	ug/L	1				SW-846:6010B	GELC	values declining
C5	4	4	05/24/11	0.573	14.7	1.677	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-61	1220.4	02/08/12		UF	CS	GENINORG	Total Organic Carbon	0.864	0.52	LANL Reg BG LVL	0.33	1.3	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC	
C5	4	4	05/24/11	1.07	2.45	1.99	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-61	1220.4	02/08/12		F	CS	METALS	Cobalt	1.99	1.00	LANL Reg BG LVL	0.5	2.0	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	4	4	05/24/11	148	5590	1750	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-61	1220.4	02/08/12		F	CS	METALS	Iron	148	0.08	LANL Reg BG LVL	21	3.5	30	ug/L	1				SW-846:6010B	GELC	values declining
C5	4	4	05/24/11	22.2	908	655	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-61	1220.4	02/08/12		F	CS	METALS	Manganese	744	1.14	LANL Reg BG LVL	2.94	126.5	2	ug/L	1				SW-846:6010B	GELC	values somewhat steady
C5	4	4	05/24/11	1.6	10.9	5.2	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-61	1220.4	02/08/12		F	CS	METALS	Molybdenum	4.71	0.91	LANL Reg BG LVL	2	1.2	0.17	ug/L	1				SW-846:6020	GELC	
C5	8	10	01/23/07	0.158	0.419	0.393	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	01/20/12		F	CS	GENINORG	Perchlorate	0.418	1.06	LANL Avi BG LVL	0.05	4.2	0.05	ug/L	1				SW-846:6850	GELC	
C5	36	41	03/23/00	2030	5150	3180	40	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	01/20/12		F	CS	METALS	Barium	3870	1.22	LANL Avi BG LVL	68.57	28.2	1	ug/L	1				SW-846:6010B	GELC	
C5	7	13	04/02/10	10600	49400	18100	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-611923	3.2	01/25/12		F	CS	METALS	Barium	13700	0.76	LANL Avi BG LVL	68.57	99.9	1	ug/L	1				SW-846:6010B	GELC	
C5	7	13	04/02/10	2.2	33.4	5.4	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-611923	3.2	01/25/12		F	CS	METALS	Cobalt	6.44	1.19	LANL Avi BG LVL	0.5	6.4	1	ug/L	1				SW-846:6010B	GELC	
C5	7	13	04/02/10	463	7510	1260	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-611923	3.2	01/25/12		F	CS	METALS	Manganese	463	0.37	LANL Avi BG LVL	2	115.8	2	ug/L	1				SW-846:6010B	GELC	
C5	7	13	04/02/10	1.7	7.6	3.2	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-611923	3.2	01/25/12		F	CS	METALS	Nickel	7.6	2.38	LANL Avi BG LVL	1	3.8	0.5	ug/L	1				SW-846:6020	GELC	
C5	3	5	11/01/10	335	1250	496	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-611923	3.2	01/25/12		F	CS	METALS	Strontium	335	0.68	LANL Avi BG LVL	120	1.4	1	ug/L	1				SW-846:6010B	GELC	
C5	38	45	03/28/00	4580	13600	6400	45	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	01/19/12		F	CS	METALS	Barium	8980	1.40	LANL Avi BG LVL	68.57	65.5	1	ug/L	1				SW-846:6010B	GELC	
C5	10	11	01/24/07	0.055	0.256	0.165	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	1.5	01/23/12		F	CS	GENINORG	Ammonia as Nitrogen	0.177	1.07	LANL Avi BG LVL	0.04	2.2	0.016	mg/L	1				EPA:350.1	GELC	
C5	28	29	03/23/00	128	347	234	25	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	1.5	01/23/12		F	CS	METALS	Boron	169	0.72	LANL Avi BG LVL	51.89	1.6	15	ug/L	1				SW-846:6010B	GELC	
C5	33	35	03/23/00	113	300	146	34	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	1.5	01/23/12		F	CS	METALS	Barium	207	1.42	LANL Avi BG LVL	68.57	1.5	1	ug/L	1				SW-846:6010B	GELC	
C5	33	35	03/23/00	1.1	10.1	2.8	20	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	1.5	01/23/12		F	CS	METALS	Cobalt	1.81	0.65	LANL Avi BG LVL	0.5	1.8	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	33	35	03/23/00	0.79	7.13	2.6	17	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	1.5	01/23/12		F	CS	METALS	Chromium	4.85	1.87	LANL Avi BG LVL	1	2.4	2	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C5	33	35	03/23/00	11.7	3340	169	35	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	1.5	01/23/12		F	CS	METALS	Manganese	178	1.05	LANL Avi BG LVL	2	44.5	2	ug/L	1				SW-846:6010B	GELC	
C5	33	35	03/23/00	1.5	57.1	3.7	25	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	1.5	01/23/12		F	CS	METALS	Nickel	3.71	1.00	LANL Avi BG LVL	1	1.9	0.5	ug/L	1				SW-846:6020	GELC	
C5	33	35	03/23/00	4.9	79	15.4	27	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	1.5	01/23/12		F	CS	METALS	Zinc	19.4	1.26	LANL Avi BG LVL	2	4.9	3.3	ug/L	1				SW-846:6010B	GELC	
C5	10	17	01/29/07	13.9	42	19.8	17	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	01/10/12		F	CS	GENINORG	Chloride	42	2.12	LANL Int BG LVL	7.78	2.7	0.33	mg/L	5				EPA:300.0	GELC	
C5	10	15	01/29/07	0.518	0.715	0.599	15	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	01/10/12		F	CS	GENINORG	Perchlorate	0.615	1.03	LANL Int BG LVL	0.05	6.2	0.05	ug/L	1				SW-846:6850	GELC	
C5	56	71	01/10/00	146	266	180	65	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	01/10/12		F	CS	METALS	Barium	266	1.48	LANL Int BG LVL	71.83	1.9	1	ug/L	1				SW-846:6010B	GELC	
C5	10	13	01/30/07	19.2	37.2	24.4	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/18/12		F	CS	GENINORG	Chloride	37	1.52	LANL Int BG LVL	7.78	2.4	0.33	mg/L	5				EPA:300.0	GELC	
C5	10	13	01/30/07	19.2	37.2	24.4	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/18/12	FD	F	CS	GENINORG	Chloride	37.2	1.52	LANL Int BG LVL	7.78	2.4	0.33	mg/L	5				EPA:300.0	GELC	

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Any1 Suite Code	Analyte Desc	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Any1 Meth Code	Lab Code	Comment
C5	10	13	01/30/07	0.459	0.707	0.564	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/18/12	FD	F	CS	GENINORG	Perchlorate	0.707	1.25	LANL Int BG LVL	0.05	7.1	0.05	ug/L	1				SW-846:6850	GELC	
C5	10	13	01/30/07	0.459	0.707	0.564	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/18/12		F	CS	GENINORG	Perchlorate	0.689	1.22	LANL Int BG LVL	0.05	6.9	0.05	ug/L	1				SW-846:6850	GELC	
C5	10	13	01/30/07	0.349	0.683	0.493	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/18/12		F	CS	GENINORG	Fluoride	0.547	1.11	LANL Int BG LVL	0.23	1.2	0.033	mg/L	1				EPA:300.0	GELC	
C5	10	13	01/30/07	0.349	0.683	0.493	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/18/12	FD	F	CS	GENINORG	Fluoride	0.562	1.14	LANL Int BG LVL	0.23	1.2	0.033	mg/L	1				EPA:300.0	GELC	
C5	52	57	01/10/00	17	50.2	34.5	57	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/18/12		F	CS	GENINORG	Sodium	39.8	1.15	LANL Int BG LVL	12.19	1.6	0.1	mg/L	1				SW-846:6010B	GELC	
C5	52	57	01/10/00	17	50.2	34.5	57	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/18/12	FD	F	CS	GENINORG	Sodium	38.8	1.12	LANL Int BG LVL	12.19	1.6	0.1	mg/L	1				SW-846:6010B	GELC	
C5	48	53	01/10/00	570	2840	1880	53	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/18/12	FD	F	CS	METALS	Boron	1260	0.67	LANL Int BG LVL	15.12	41.7	15	ug/L	1				SW-846:6010B	GELC	
C5	48	53	01/10/00	570	2840	1880	53	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/18/12		F	CS	METALS	Boron	1290	0.69	LANL Int BG LVL	15.12	42.7	15	ug/L	1				SW-846:6010B	GELC	
C5	52	57	01/10/00	122	243	178	50	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/18/12	FD	F	CS	METALS	Barium	188	1.06	LANL Int BG LVL	71.83	1.3	1	ug/L	1				SW-846:6010B	GELC	
C5	52	57	01/10/00	122	243	178	50	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	01/18/12		F	CS	METALS	Barium	192	1.08	LANL Int BG LVL	71.83	1.3	1	ug/L	1				SW-846:6010B	GELC	
C5	13	16	02/01/07	0.204	0.262	0.229	16	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-26	659.3	01/26/12		F	CS	GENINORG	Perchlorate	0.248	1.08	LANL Int BG LVL	0.05	2.5	0.05	ug/L	1				SW-846:6850	GELC	
C5	17	20	04/13/05	2.31	14	2.55	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-26	659.3	01/26/12		F	CS	METALS	Zinc	14	5.49	LANL Int BG LVL	2	3.5	3.3	ug/L	1				SW-846:6010B	GELC	
C5	6	9	04/20/10	0.0741	0.0927	0.0865	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	16-26644	130	01/13/12		F	CS	GENINORG	Bromide	0.0887	1.03	LANL Int BG LVL	0.03	1.5	0.066	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
C5	6	9	04/20/10	15.2	20.6	19.8	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	16-26644	130	01/13/12		F	CS	GENINORG	Chloride	20.3	1.03	LANL Int BG LVL	7.78	1.3	0.13	mg/L	2				EPA:300.0	GELC	
C5	6	9	04/20/10	0.46	0.762	0.512	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	16-26644	130	01/13/12		F	CS	GENINORG	Perchlorate	0.46	0.90	LANL Int BG LVL	0.05	4.6	0.05	ug/L	1				SW-846:6850	GELC	
C5	8	9	01/05/09	0.208	0.306	0.286	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/23/12		F	CS	GENINORG	Perchlorate	0.294	1.03	LANL Int BG LVL	0.05	2.9	0.05	ug/L	1				SW-846:6850	GELC	
C5	8	9	01/05/09	13.9	1420	39.6	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/23/12		F	CS	METALS	Zinc	13.9	0.35	LANL Int BG LVL	2	3.5	3.3	ug/L	1				SW-846:6010B	GELC	
C5	7	7	08/02/05	0.512	0.584	0.566	7	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	754.8	01/11/12		F	CS	GENINORG	Perchlorate	0.56	0.99	LANL Int BG LVL	0.05	5.6	0.05	ug/L	1				SW-846:6850	GELC	
C5	15	15	12/04/00	0.0795	0.13	0.104	7	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	1192.4	01/12/12		F	CS	GENINORG	Bromide	0.13	1.25	LANL Int BG LVL	0.03	2.2	0.066	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
C5	15	15	12/04/00	2.9	20.1	7.1	12	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	1192.4	01/12/12		F	CS	METALS	Zinc	4.42	0.62	LANL Int BG LVL	2	1.1	3.3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	10	17	02/05/07	0.242	0.305	0.289	17	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	850	01/18/12	FD	F	CS	GENINORG	Perchlorate	0.305	1.06	LANL Int BG LVL	0.05	3.1	0.05	ug/L	1				SW-846:6850	GELC	
C5	10	17	02/05/07	0.242	0.305	0.289	17	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	850	01/18/12		F	CS	GENINORG	Perchlorate	0.299	1.03	LANL Int BG LVL	0.05	3.0	0.05	ug/L	1				SW-846:6850	GELC	
C5	13	20	12/15/05	5.6	17	13	17	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	850	01/18/12	FD	F	CS	METALS	Zinc	13.1	1.01	LANL Int BG LVL	2	3.3	3.3	ug/L	1				SW-846:6010B	GELC	
C5	13	20	12/15/05	5.6	17	13	17	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	850	01/18/12		F	CS	METALS	Zinc	13.3	1.02	LANL Int BG LVL	2	3.3	3.3	ug/L	1				SW-846:6010B	GELC	
C5	8	10	12/21/09	0.222	0.272	0.235	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-47i	840	01/24/12		F	CS	GENINORG	Perchlorate	0.235	1.00	LANL Int BG LVL	0.05	2.4	0.05	ug/L	1				SW-846:6850	GELC	
C5	7	7	02/08/10	0.112	0.257	0.125	7	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CDV-37-1(i)	632	01/24/12		F	CS	GENINORG	Perchlorate	0.125	1.00	LANL Int BG LVL	0.05	1.3	0.05	ug/L	1	J	J	J_LAB	SW-846:6850	GELC	
C5	7	7	02/08/10	6.93	22.8	15.1	7	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CDV-37-1(i)	632	01/24/12		F	CS	METALS	Manganese	6.93	0.46	LANL Int BG LVL	2	1.7	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	7	7	02/08/10	9.63	30.7	12.8	7	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CDV-37-1(i)	632	01/24/12		F	CS	METALS	Zinc	9.63	0.75	LANL Int BG LVL	2	2.4	3.3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	7	7	12/11/09	0.117	0.134	0.124	7	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-27i	619	02/03/12		F	CS	GENINORG	Perchlorate	0.123	0.99	LANL Int BG LVL	0.05	1.2	0.05	ug/L	1	J	J	J_LAB	SW-846:6850	GELC	
C5	6	6	02/07/02	1.12	3.45	1.98	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	01/13/12		F	CS	GENINORG	Total Phosphate as Phosphorus	1.91	0.96	LANL Reg BG LVL	0.16	6.0	0.015	mg/L	1				EPA:365.4	GELC	
C5	9	10	05/08/01	2.25	10.3	4.45	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	01/13/12		UF	CS	GENINORG	Total Organic Carbon	2.25	0.51	LANL Reg BG LVL	0.33	3.4	0.33	mg/L	1				SW-846:9060	GELC	
C5	13	13	12/07/00	2.2	396	7.5	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	01/13/12		F	CS	METALS	Manganese	6.34	0.85	LANL Reg BG LVL	2.94	1.1	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	13	13	02/08/02	0.22	4.2	0.75	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1406.3	01/13/12		F	CS	GENINORG	Total Phosphate as Phosphorus	0.595	0.79	LANL Reg BG LVL	0.16	1.9	0.015	mg/L	1				EPA:365.4	GELC	
C5	8	8	05/10/10	1.09	1.42	1.22	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-29	1170	02/02/12		F	CS	METALS	Cobalt	1.42	1.16	LANL Reg BG LVL	0.5	1.4	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	8	8	05/10/10	16.9	214	40.6	8	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-29	1170	02/02/12		F	CS	METALS	Manganese	16.9	0.42	LANL Reg BG LVL	2.94	2.9	2	ug/L	1				SW-846:6010B	GELC	
C6	15	27	12/15/05	43.3	82.3	58.3	26	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	850	01/18/12	FD	UF	DL	HEXP	RDX	82.3	1.41	EPA TAP SCRNL C-5	6.1	27.0	1	ug/L	20				SW-846:8321A_MOD	GELC	general increase from 48 ug/L in 2005

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
CA	6	6	11/15/00	117	20900	310	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	METALS	Iron	20900	67.42	NM GW STD	1000	20.9	30	ug/L	1			SW-846:6010B	GELC	First sample since 2005, values before 2005 were 2310 ug/L or lower	
CA	6	6	11/15/00	9.1	686	17.7	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	METALS	Manganese	686	38.76	NM GW STD	200	3.4	2	ug/L	1			SW-846:6010B	GELC	First sample since 2005, values before 2005 were 150 ug/L or lower	
CA	6	6	11/15/00	2	3730	6	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	01/12/12		F	CS	METALS	Nickel	3730	621.67	NM GW STD	200	18.7	50	ug/L	100			SW-846:6020	GELC	First sample since 2005, values before 2005 were 520 ug/L or lower	