SUMMARY OF NEW LOS ALAMOS NATIONAL LABORATORY GROUNDWATER DATA LOADED IN JUNE 2010

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 6-10 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. Over time, the data that exceed the reference data have decreased substantially.

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: these are labeled (in the first column) C1 through C6 for the numbered criteria 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 more than one criterion and appear in the table multiple times. 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 on 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 6-10 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port 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	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
C1	1	1	03/11/10	0.353	0.353	0.353	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-50	1185	03/11/10		UF	CS	VOA	Naphthalene	91-20-3	0.353	1.00	NM GW STD	30	0.0	0.25	ug/L	1	BJ	J	J_LAB	SW-846:8260B	GELC	
C1	1	2	04/19/10	0.73	0.73	0.73	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-53	850	04/19/10	FD	UF	CS	VOA	Toluene	108-88-3	0.73	1.00	NM GW STD	750	0.0	0.25	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C1	1	2	04/14/10	0.43	0.43	0.43	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-53	960	04/14/10		UF	CS	VOA	Trichloroethene	79-01-6	0.43	1.00	EPA MCL	5	0.1	0.25	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	not in FD or shallow screen
C1	14	14	11/15/00	0.437	0.52	0.489	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		UF	CS	VOA	Tetrachloroethene	127-18-4	0.437	0.89	EPA MCL	5	0.1	0.3	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	most recent detect in 2005
C1	6	6	08/31/05	0.873	0.873	0.873	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02657	0.4	04/16/10		UF	CS	HEXP	TATB	3058-38-6	0.873	1.00				0.39	ug/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	
C1	31	37	03/28/00	1.66	1.66	1.66	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	04/12/10		UF	CS	VOA	Iodomethane	74-88-4	1.66	1.00				1.3	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C1	10	10	03/21/00	0.178	58.7	1.519	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		UF	CS	HEXP	RDX	121-82-4	2.06	1.36	EPA TAP SCRN LVL C-5	6.1	0.3	0.1	ug/L	2				SW-846:8321A_MOD	GELC	
C1	8	8	03/21/00	0.16	1.52	0.28	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		UF	CS	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0	0.28	1.00	EPA TAP SCRN LVL N	73	0.0	0.1	ug/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	
C1	10	10	03/21/00	0.265	35.7	4.05	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		UF	DL	HEXP	HMX	2691-41-0	26	6.42	EPA TAP SCRN LVL N	1800	0.0	0.52	ug/L	10				SW-846:8321A_MOD	GELC	
C1	8	8	03/21/00	0.208	1.17	0.29	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		UF	CS	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2	0.208	0.72	EPA TAP SCRN LVL N	73	0.0	0.1	ug/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	
C1	11	11	03/30/00	1.08	42	35.2	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	04/14/10		UF	CS	VOA	Tetrachloroethene	127-18-4	1.08	0.03	EPA MCL	5	0.2	0.3	ug/L	1	H	J-	V9	SW-846:8260B	GELC	
C1	2	4	12/21/09	0.504	0.504	0.504	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-47i	840	04/08/10		UF	CS	VOA	Toluene	108-88-3	0.504	1.00	NM GW STD	750	0.0	0.25	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C1	13	13	12/08/00	0.133	2.5	0.421	8	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1406.3	04/08/10		UF	CS	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0	0.133	0.32	EPA TAP SCRN LVL N	73	0.0	0.1	ug/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	
C1	13	18	09/25/00	4.1	4.1	4.1	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4	0	03/24/10		UF	CS	SVOA	Diethylphthalate	84-66-2	4.1	1.00	EPA TAP SCRN LVL N	29000	0.0	1	ug/L	1	J	J	J_LAB	SW-846:8270C	STSL	
C2	1	1	04/23/10	0.385	0.385	0.385	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-52	1107	04/23/10		UF	CS	GENINORG	Total Organic Carbon	TOC	0.385	1.00	LANL Reg BG LVL	0.33	1.2	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC	
C2	1	1	04/23/10	1.62	1.62	1.62	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-52	1107	04/23/10		F	CS	METALS	Cobalt	Co	1.62	1.00	LANL Reg BG LVL	0.5	3.2	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	1	1	04/23/10	68.1	68.1	68.1	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-52	1107	04/23/10		F	CS	METALS	Iron	Fe	68.1	1.00	LANL Reg BG LVL	21	3.2	30	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	1	1	04/23/10	14.5	14.5	14.5	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-52	1107	04/23/10		F	CS	METALS	Manganese	Mn	14.5	1.00	LANL Reg BG LVL	2.94	4.9	2	ug/L	1				SW-846:6010B	GELC	
C2	5	5	02/06/09	0.045	0.211	0.128	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-38	821.2	03/12/10		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.211	1.65	LANL Reg BG LVL	0.16	1.3	0.015	mg/L	1				EPA:365.4	GELC	
C2	1	1	04/19/10	0.39	0.39	0.39	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-53	850	04/19/10		UF	CS	GENINORG	Total Organic Carbon	TOC	0.39	1.00	LANL Reg BG LVL	0.33	1.2	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC	
C2	1	1	04/19/10	109	109	109	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-53	850	04/19/10		F	CS	METALS	Aluminum	Al	109	1.00	LANL Reg BG LVL	68	1.6	68	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	1	1	04/14/10	6.31	6.31	6.31	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-53	960	04/14/10		F	CS	METALS	Manganese	Mn	6.31	1.00	LANL Reg BG LVL	2.94	2.2	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	20	24	03/31/04	0.022	0.331	0.177	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-21	888.8	03/12/10		F	CS	GENINORG	Ammonia as Nitrogen	NH3-N	0.331	1.87	LANL Reg BG LVL	0.05	6.6	0.016	mg/L	1		J-	I6a	EPA:350.1	GELC	
C2	4	4	06/11/09	120	128	123	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	PCI-2	512	03/01/10		F	CS	GENINORG	Total Dissolved Solids	TDS	128	1.04	LANL Int BG LVL	127	1.0	2.4	mg/L	1				EPA:160.1	GELC	
C2	1	1	03/08/10	0.702	0.702	0.702	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-51	914.96	03/08/10		UF	CS	GENINORG	Total Organic Carbon	TOC	0.702	1.00	LANL Reg BG LVL	0.33	2.1	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC	
C2	1	1	03/08/10	7.24	7.24	7.24	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-51	914.96	03/08/10		F	CS	METALS	Manganese	Mn	7.24	1.00	LANL Reg BG LVL	2.94	2.5	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	1	1	03/08/10	4.17	4.17	4.17	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-51	914.96	03/08/10		F	CS	METALS	Zinc	Zn	4.17	1.00	LANL Reg BG LVL	3.89	1.1	3.3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	4	4	06/18/09	1.97	4.73	2.24	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-49	905.6	03/05/10		F	CS	GENINORG	Chloride	Cl(-1)	4.73	2.11	LANL Reg BG LVL	3.57	1.3	0.066	mg/L	1				EPA:300.0	GELC	
C2	4	4	06/18/09	2.93	7.22	3.19	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-49	905.6	03/05/10		F	CS	GENINORG	Sulfate	SO4(-2)	7.22	2.26	LANL Reg BG LVL	7.2	1.0	0.1	mg/L	1				EPA:300.0	GELC	
C2	15	15	11/15/00	1420	79700	13200	15	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		F	CS	METALS	Aluminum	Al	23700	1.80	LANL Avl BG LVL	15670	1.5	68	ug/L	1				SW-846:6010B	GELC	
C2	15	15	11/15/00	0.429	6.5	0.66	7	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		F	CS	METALS	Beryllium	Be	1.35	2.05	LANL Avl BG LVL	1	1.4	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	many higher results previously
C2	15	15	11/15/00	808	61000	7890	15	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		F	CS	METALS	Iron	Fe	15900	2.02	LANL Avl BG LVL	8240	1.9	30	ug/L	1				SW-846:6010B	GELC	
C2	3	3	03/31/08	51.9	137	52.3	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		F	CS	METALS	Silicon Dioxide	SiO2	137	2.62	LANL Avl BG LVL	64.21	2.1	0.27	mg/L	5				SW-846:6010B	GELC	
C2	5	5	01/25/07	0.094	0.094	0.094	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	04/12/10		F	CS	GENINORG	Ammonia as Nitrogen	NH3-N	0.094	1.00	LANL Avl BG LVL	0.04	2.4	0.016	mg/L	1				EPA:350.1	GELC	
C2	3	3	04/03/08	0.081	0.081	0.081	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25280	2.6	04/05/10		F	CS	GENINORG	Ammonia as Nitrogen	NH3-N	0.081	1.00	LANL Avl BG LVL	0.04	2.0	0.016	mg/L	1		J-	I6a	EPA:350.1	GELC	

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port 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	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
C2	3	3	04/03/08	11900	16700	14000	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25280	2.6	04/05/10		F	CS	METALS	Aluminum	Al	16700	1.19	LANL Avl BG LVL	15670	1.1	68	ug/L	1				SW-846:6010B	GELC	
C2	3	3	04/03/08	6830	10600	7900	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25280	2.6	04/05/10		F	CS	METALS	Iron	Fe	10600	1.34	LANL Avl BG LVL	8240	1.3	30	ug/L	1				SW-846:6010B	GELC	
C2	4	4	10/24/07	0.994	0.994	0.994	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25279	2.7	04/05/10		F	CS	GENINORG	Perchlorate	ClO4	0.994	1.00	LANL Avl BG LVL	0.05	19.9	0.1	ug/L	2				SW-846:6850	GELC	
C2	4	4	10/24/07	2770	9730	6220	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25279	2.7	04/05/10		F	CS	METALS	Iron	Fe	9730	1.56	LANL Avl BG LVL	8240	1.2	30	ug/L	1				SW-846:6010B	GELC	
C2	4	4	10/22/07	0.119	0.119	0.119	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25278	1.6	04/07/10		F	CS	GENINORG	Perchlorate	ClO4	0.119	1.00	LANL Avl BG LVL	0.05	2.4	0.05	ug/L	1	J	J	J_LAB	SW-846:6850	GELC	
C2	4	4	10/22/07	2520	10500	4100	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25278	1.6	04/07/10		F	CS	METALS	Iron	Fe	10500	2.56	LANL Avl BG LVL	8240	1.3	30	ug/L	1				SW-846:6010B	GELC	
C2	3	3	04/10/08	47.5	88.2	53.5	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25278	1.6	04/07/10		F	CS	METALS	Silicon Dioxide	SiO2	88.2	1.65	LANL Avl BG LVL	64.21	1.4	0.053	mg/L	1				SW-846:6010B	GELC	
C2	6	6	11/14/00	4.7	9.77	5.3	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06293	2	04/07/10		F	CS	GENINORG	Potassium	K	5.86	1.11	LANL Avl BG LVL	5.21	1.1	0.05	mg/L	1				SW-846:6010B	GELC	
C2	4	4	10/22/08	235	4180	804	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	CDV-5.0 SPRING	0	04/12/10		F	CS	METALS	Aluminum	Al	4180	5.20	LANL Int BG LVL	1065.84	3.9	68	ug/L	1				SW-846:6010B	GELC	Turbidity was high at 30.7 NTU
C2	4	4	10/22/08	32.2	75.6	33.7	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	CDV-5.0 SPRING	0	04/12/10		F	CS	METALS	Barium	Ba	75.6	2.24	LANL Int BG LVL	71.83	1.1	1	ug/L	1				SW-846:6010B	GELC	Turbidity was high at 30.7 NTU
C2	4	4	10/22/08	1.05	1.05	1.05	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	CDV-5.0 SPRING	0	04/12/10		F	CS	METALS	Cobalt	Co	1.05	1.00	LANL Int BG LVL	0.5	2.1	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	Turbidity was high at 30.7 NTU
C2	4	4	10/22/08	74.5	1380	196	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	CDV-5.0 SPRING	0	04/12/10		F	CS	METALS	Iron	Fe	1380	7.04	LANL Int BG LVL	839.99	1.6	30	ug/L	1				SW-846:6010B	GELC	Turbidity was high at 30.7 NTU
C2	4	4	10/22/08	0.592	1.03	0.811	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	CDV-5.0 SPRING	0	04/12/10		F	CS	METALS	Nickel	Ni	1.03	1.27	LANL Int BG LVL	1	1.0	0.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	Turbidity was high at 30.7 NTU
C2	4	4	10/22/08	0.642	0.642	0.642	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	CDV-5.0 SPRING	0	04/12/10		F	CS	METALS	Lead	Pb	0.642	1.00	LANL Int BG LVL	0.5	1.3	0.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	Turbidity was high at 30.7 NTU
C2	4	4	10/22/08	3.94	6.35	4.68	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	CDV-5.0 SPRING	0	04/12/10		F	CS	METALS	Vanadium	V	6.35	1.36	LANL Int BG LVL	4.91	1.3	1	ug/L	1				SW-846:6010B	GELC	Turbidity was high at 30.7 NTU
C2	4	4	10/22/08	4.07	4.07	4.07	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	CDV-5.0 SPRING	0	04/12/10		F	CS	METALS	Zinc	Zn	4.07	1.00	LANL Int BG LVL	2	2.0	3.3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	Turbidity was high at 30.7 NTU
C2	2	2	05/10/07	55	59.1	57.1	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	59.1	1.04	LANL Int BG LVL	52	1.1	0.73	mg/L	1				EPA:310.1	GELC	
C2	10	10	03/21/00	16.5	22.9	18.5	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		F	CS	GENINORG	Calcium	Ca	20.9	1.13	LANL Int BG LVL	17.31	1.2	0.05	mg/L	1				SW-846:6010B	GELC	
C2	2	2	05/10/07	21.1	38.8	30	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		F	CS	GENINORG	Chloride	Cl(-1)	38.8	1.29	LANL Int BG LVL	7.78	5.0	0.33	mg/L	5				EPA:300.0	GELC	
C2	2	2	05/10/07	0.472	0.604	0.538	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		F	CS	GENINORG	Perchlorate	ClO4	0.604	1.12	LANL Int BG LVL	0.05	12.1	0.05	ug/L	1				SW-846:6850	GELC	
C2	10	10	03/21/00	19	26.2	22	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		F	CS	GENINORG	Sodium	Na	25.6	1.16	LANL Int BG LVL	12.19	2.1	0.1	mg/L	1				SW-846:6010B	GELC	
C2	5	5	08/29/05	152	206	177	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		F	CS	GENINORG	Total Dissolved Solids	TDS	203	1.15	LANL Int BG LVL	127	1.6	2.4	mg/L	1				EPA:160.1	GELC	
C2	10	10	03/21/00	177	3120	585	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		F	CS	METALS	Barium	Ba	2010	3.44	LANL Int BG LVL	71.83	28.0	1	ug/L	1				SW-846:6010B	GELC	
C2	10	10	03/21/00	0.89	8.5	3.74	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		F	CS	METALS	Cobalt	Co	1.93	0.52	LANL Int BG LVL	0.5	3.9	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	10	10	03/21/00	17.4	1450	57.8	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		F	CS	METALS	Manganese	Mn	104	1.80	LANL Int BG LVL	2	52.0	2	ug/L	1				SW-846:6010B	GELC	
C2	10	10	03/21/00	1.3	3.6	2.8	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		F	CS	METALS	Nickel	Ni	2.89	1.03	LANL Int BG LVL	1	2.9	0.5	ug/L	1				SW-846:6020	GELC	
C2	10	10	03/21/00	0.531	1.2	0.845	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		F	CS	METALS	Lead	Pb	0.531	0.63	LANL Int BG LVL	0.5	1.1	0.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C2	29	29	01/10/00	4.2	7.17	5.42	26	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	SWSC Spring	0	04/09/10		F	CS	GENINORG	Magnesium	Mg	7.17	1.32	LANL Int BG LVL	6.12	1.2	0.085	mg/L	1				SW-846:6010B	GELC	
C2	52	67	01/10/00	3.6	7.2	5.5	63	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	04/09/10	FD	F	CS	GENINORG	Magnesium	Mg	6.97	1.27	LANL Int BG LVL	6.12	1.1	0.085	mg/L	1				SW-846:6010B	GELC	
C2	52	67	01/10/00	3.6	7.2	5.5	63	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	04/09/10		F	CS	GENINORG	Magnesium	Mg	7.2	1.31	LANL Int BG LVL	6.12	1.2	0.085	mg/L	1				SW-846:6010B	GELC	
C2	12	20	08/26/05	92.5	160	116	20	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	04/09/10		F	CS	METALS	Strontium	Sr	160	1.38	LANL Int BG LVL	154.76	1.0	1	ug/L	1				SW-846:6010B	GELC	
C2	4	4	05/11/07	0.0902	0.0902	0.0902	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	04/14/10		F	CS	GENINORG	Perchlorate	ClO4	0.0902	1.00	LANL Int BG LVL	0.05	1.8	0.05	ug/L	1	J	J	J_LAB	SW-846:6850	GELC	
C2	4	4	05/11/07	0.175	0.282	0.229	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	04/14/10		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.175	0.76	LANL Int BG LVL	0.08	2.2	0.015	mg/L	1		J	l4a	EPA:365.4	GELC	
C2	11	11	03/30/00	2.99	14.4	8.2	7	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	04/14/10		F	CS	METALS	Vanadium	V	8.4	1.02	LANL Int BG LVL	4.91	1.7	1	ug/L	1				SW-846:6010B	GELC	
C2	48	51	01/10/00	0.8	4.24	1.2	7	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	04/13/10		F	CS	METALS	Cobalt	Co	1.7	1.42	LANL Int BG LVL	0.5	3.4	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	48	51	01/10/00	0.058	1.6	0.32	11	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	04/13/10		F	CS	METALS	Lead	Pb	0.6	1.88	LANL Int BG LVL	0.5	1.2	0.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port 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	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
C2	9	10	11/29/01	4.43	4.43	4.43	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Water Canyon Gallery	0	04/12/10		F	CS	METALS	Cobalt	Co	4.43	1.00	LANL Int BG LVL	0.5	8.9	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	turbidity high at 24.4 NTU
C2	3	3	04/15/09	0.101	0.101	0.101	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/05/10		F	CS	GENINORG	Bromide	Br(-1)	0.101	1.00	LANL Int BG LVL	0.03	3.4	0.066	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
C2	4	4	04/15/09	5.64	6.43	5.74	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/05/10		F	CS	GENINORG	Magnesium	Mg	6.43	1.12	LANL Int BG LVL	6.12	1.1	0.085	mg/L	1				SW-846:6010B	GELC	
C2	4	4	04/15/09	135	156	142	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/05/10		F	CS	METALS	Strontium	Sr	156	1.10	LANL Int BG LVL	154.76	1.0	1	ug/L	1				SW-846:6010B	GELC	
C2	11	16	06/01/05	1.47	1.47	1.47	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/16/10	FD	F	CS	METALS	Cobalt	Co	1.47	1.00	LANL Int BG LVL	0.5	2.9	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	2	2	02/08/10	1.95	2.14	2.05	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CDV-37-1(i)	632	04/01/10		F	CS	METALS	Molybdenum	Mo	2.14	1.04	LANL Int BG LVL	2	1.1	0.1	ug/L	1				SW-846:6020	GELC	
C2	2	2	02/08/10	0.575	0.575	0.575	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CDV-37-1(i)	632	04/01/10		F	CS	METALS	Antimony	Sb	0.575	1.00	LANL Int BG LVL	0.5	1.2	0.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C2	3	4	11/23/09	6.41	7.84	7.32	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-48	1500	04/07/10		F	CS	GENINORG	Sulfate	SO4(-2)	7.84	1.07	LANL Reg BG LVL	7.2	1.1	0.1	mg/L	1		J+	I6b	EPA:300.0	GELC	
C2	3	4	11/23/09	6.41	7.84	7.32	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-48	1500	04/07/10	FD	F	CS	GENINORG	Sulfate	SO4(-2)	7.63	1.04	LANL Reg BG LVL	7.2	1.1	0.1	mg/L	1		J+	I6b	EPA:300.0	GELC	
C2	3	4	11/23/09	0.646	0.726	0.686	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-48	1500	04/07/10	FD	UF	CS	GENINORG	Total Organic Carbon	TOC	0.726	1.06	LANL Reg BG LVL	0.33	2.2	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC	
C2	3	4	11/23/09	0.646	0.726	0.686	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-48	1500	04/07/10		UF	CS	GENINORG	Total Organic Carbon	TOC	0.646	0.94	LANL Reg BG LVL	0.33	2.0	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC	
C2	3	4	11/23/09	4.41	4.41	4.41	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-48	1500	04/07/10		F	CS	METALS	Zinc	Zn	4.41	1.00	LANL Reg BG LVL	3.89	1.1	3.3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	21	23	09/16/02	14.1	50.1	24.1	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	CdV-R-15-3	1254.4	04/12/10		F	CS	METALS	Iron	Fe	50.1	2.08	LANL Reg BG LVL	21	2.4	30	ug/L	1	J*	J	J_LAB	SW-846:6010B	GELC	
C2	22	27	01/29/02	0.03	0.218	0.09	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	CdV-R-37-2	1359.3	04/14/10		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.185	2.06	LANL Reg BG LVL	0.16	1.2	0.015	mg/L	1		J	I4a	EPA:365.4	GELC	
C2	23	23	01/29/02	14.8	152	30.3	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	CdV-R-37-2	1359.3	04/14/10		F	CS	METALS	Aluminum	Al	152	5.02	LANL Reg BG LVL	68	2.2	68	ug/L	1	J	J	I10a	SW-846:6010B	GELC	
C2	23	23	01/29/02	1.42	3.72	2.57	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	CdV-R-37-2	1359.3	04/14/10		F	CS	METALS	Copper	Cu	3.72	1.45	LANL Reg BG LVL	3	1.2	3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	23	23	01/29/02	16.2	209	37.7	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	CdV-R-37-2	1359.3	04/14/10		F	CS	METALS	Iron	Fe	35.1	0.93	LANL Reg BG LVL	21	1.7	30	ug/L	1	J	J	I10a	SW-846:6010B	GELC	
C2	18	21	01/30/02	0.417	3.869999886	1.18	17	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	CdV-R-37-2	1550.6	04/14/10		UF	CS	GENINORG	Total Organic Carbon	TOC	0.589	0.50	LANL Reg BG LVL	0.33	1.8	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC	
C2	19	22	01/30/02	19.6	204	21	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	CdV-R-37-2	1550.6	04/14/10		F	CS	METALS	Aluminum	Al	204	9.71	LANL Reg BG LVL	68	3.0	68	ug/L	1		J	I10a	SW-846:6010B	GELC	
C2	19	22	01/30/02	4.7	4.7	4.7	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	CdV-R-37-2	1550.6	04/14/10		F	CS	METALS	Copper	Cu	4.7	1.00	LANL Reg BG LVL	3	1.6	3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	19	22	01/30/02	48.4	13700	2890	21	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	CdV-R-37-2	1550.6	04/14/10		F	CS	METALS	Iron	Fe	48.4	0.02	LANL Reg BG LVL	21	2.3	30	ug/L	1	J	J	I10a	SW-846:6010B	GELC	
C2	8	9	07/19/05	0.633	0.633	0.633	1	Ancho Canyon	Regional	Test Well DT-10	1078.4	04/14/10		F	CS	GENINORG	Ammonia as Nitrogen	NH3-N	0.633	1.00	LANL Reg BG LVL	0.05	12.7	0.016	mg/L	1		J	I4a	EPA:350.1	GELC	
C2	10	11	12/14/00	1.9	5.88	3.53	8	Ancho Canyon	Regional	R-31	830.9	04/22/10		F	CS	METALS	Chromium	Cr	5.88	1.67	LANL Reg BG LVL	5.75	1.0	2.5	ug/L	1	B	J	J_LAB	SW-846:6020	GELC	
C2	8	8	09/19/06	1040	1040	1040	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	03/24/10		F	CS	METALS	Aluminum	Al	1040	1.00	LANL Reg BG LVL	68	15.3	68	ug/L	1				SW-846:6010B	GELC	filtered values higher than unfiltered
C2	8	8	09/19/06	39.8	61.3	41.3	8	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	03/24/10		F	CS	METALS	Barium	Ba	61.3	1.48	LANL Reg BG LVL	56.83	1.1	1	ug/L	1				SW-846:6010B	GELC	filtered values higher than unfiltered
C2	8	8	09/19/06	3.1	6.18	4.15	6	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	03/24/10		F	CS	METALS	Chromium	Cr	6.18	1.49	LANL Reg BG LVL	5.75	1.1	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	filtered values higher than unfiltered
C2	8	8	09/19/06	17.5	17.5	17.5	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	03/24/10		F	CS	METALS	Manganese	Mn	17.5	1.00	LANL Reg BG LVL	2.94	6.0	2	ug/L	1				SW-846:6010B	GELC	filtered values higher than unfiltered
C2	8	8	09/19/06	4.74	4.74	4.74	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	03/24/10		F	CS	METALS	Zinc	Zn	4.74	1.00	LANL Reg BG LVL	3.89	1.2	3.3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	filtered values higher than unfiltered
C2	9	10	09/27/05	0.025	0.219	0.033	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	03/24/10		F	CS	GENINORG	Ammonia as Nitrogen	NH3-N	0.219	6.64	LANL Reg BG LVL	0.05	4.4	0.0081	mg/L	1		J-	I6a	EPA:350.1	STSL	
C2	9	10	09/27/05	6.71	7.5	6.86	10	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	03/24/10		F	CS	GENINORG	Sulfate	SO4(-2)	7.5	1.09	LANL Reg BG LVL	7.2	1.0	0.05	mg/L	1				EPA:300.0	STSL	
C3	19	21	06/09/05	3.17	5.36	4.24	21	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689	05/03/10		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.18	1.22	EPA MCL	10	1.0	0.25	mg/L	25				EPA:353.2	GELC	at this level in 2007 and earlier
C3	16	16	11/15/00	1.5	9.62	5.2	11	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		UF	CS	METALS	Beryllium	Be	4.01	0.77	EPA MCL	4	2.0	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	many higher results previously
C3	16	16	11/15/00	2.2	66.8	25.5	16	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		UF	CS	METALS	Lead	Pb	19	0.75	EPA MCL	15	2.5	0.5	ug/L	1				SW-846:6020	GELC	previous higher values
C3	3	3	04/03/08	444	713	462	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25280	2.6	04/05/10		F	CS	METALS	Barium	Ba	713	1.54	NM GW STD	1000	1.4	1	ug/L	1				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	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	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
C3	4	4	10/22/08	235	4180	804	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	CDV-5.0 SPRING	0	04/12/10		F	CS	METALS	Aluminum	Al	4180	5.20	NM GW STD	5000	1.7	68	ug/L	1				SW-846:6010B	GELC	Turbidity was high at 30.7 NTU
C3	4	4	10/22/08	74.5	1380	196	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	CDV-5.0 SPRING	0	04/12/10		F	CS	METALS	Iron	Fe	1380	7.04	NM GW STD	1000	2.8	30	ug/L	1				SW-846:6010B	GELC	Turbidity was high at 30.7 NTU
C3	10	10	03/21/00	177	3120	585	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		F	CS	METALS	Barium	Ba	2010	3.44	NM GW STD	1000	4.0	1	ug/L	1				SW-846:6010B	GELC	
C3	10	10	03/21/00	17.4	1450	57.8	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		F	CS	METALS	Manganese	Mn	104	1.80	NM GW STD	200	1.0	2	ug/L	1				SW-846:6010B	GELC	
C3	11	11	03/30/00	470	10800	3450	11	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	04/14/10		F	CS	METALS	Aluminum	Al	3450	1.00	NM GW STD	5000	1.4	68	ug/L	1	*	J	l10a	SW-846:6010B	GELC	
C3	9	10	11/29/01	129	3700	499	8	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Water Canyon Gallery	0	04/12/10		F	CS	METALS	Aluminum	Al	3700	7.41	NM GW STD	5000	1.5	68	ug/L	1				SW-846:6010B	GELC	turbidity high at 24.4 NTU
C3	1	1	04/05/10	10.6	10.6	10.6	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/05/10		UF	CS	METALS	Lead	Pb	10.6	1.00	EPA MCL	15	1.4	0.5	ug/L	1				SW-846:6020	GELC	turbidity was 1000 NTU
C3	8	8	09/19/06	75.7	1280	677.9	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	03/24/10		F	CS	METALS	Iron	Fe	1280	1.89	NM GW STD	1000	2.6	30	ug/L	1				SW-846:6010B	GELC	filtered values higher than unfiltered
C5	5	7	02/20/09	2.69	18.5	6.42	6	Sandia Canyon	Alluvial	SCA-1-DP	2.16	01/25/10		F	CS	METALS	Chromium	Cr	3.92	0.61	LANL Avl BG LVL	1	2.0	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C5	19	21	06/09/05	0.083	0.157	0.125	15	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689	05/03/10		F	CS	GENINORG	Bromide	Br(-1)	0.137	1.10	LANL Int BG LVL	0.03	2.3	0.066	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
C5	19	21	06/09/05	68.7	132	93.7	21	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689	05/03/10		F	CS	GENINORG	Perchlorate	ClO4	91.9	0.98	LANL Int BG LVL	0.05	919.0	10	ug/L	200				SW-846:6850	GELC	
C5	19	27	06/09/05	1.1	4.6	3.1	21	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689	05/03/10		F	CS	METALS	Chromium	Cr	4.06	1.31	LANL Int BG LVL	1	2.0	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C5	19	22	06/09/05	2.2	145	7.1	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689	05/03/10		F	CS	METALS	Zinc	Zn	7.16	1.01	LANL Int BG LVL	2	1.8	3.3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	20	26	05/19/05	0.64	12.6	2.05	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-1	1031.1	05/03/10		F	CS	METALS	Nickel	Ni	12.6	6.15	LANL Reg BG LVL	3.09	2.0	0.5	ug/L	1				SW-846:6020	GELC	
C5	5	9	02/28/09	8.4	21.4	14.4	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-45	880	01/27/10		F	CS	METALS	Chromium	Cr	21.4	1.49	LANL Reg BG LVL	5.75	1.9	2.5	ug/L	1		J	l4a	SW-846:6020	GELC	
C5	5	5	07/13/09	0.435	0.613	0.545	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	R-37	929.3	03/02/10		F	CS	GENINORG	Perchlorate	ClO4	0.49	0.90	LANL Int BG LVL	0.05	4.9	0.05	ug/L	1				SW-846:6850	GELC	
C5	5	5	07/13/09	0.501	0.735	0.653	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	R-37	929.3	03/02/10		F	CS	GENINORG	Fluoride	F(-1)	0.501	0.77	LANL Int BG LVL	0.23	1.1	0.033	mg/L	1				EPA:300.0	GELC	
C5	5	5	07/13/09	4.72	115	13.1	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	R-37	929.3	03/02/10		F	CS	METALS	Zinc	Zn	4.72	0.36	LANL Int BG LVL	2	1.2	3.3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	5	5	02/06/09	10.6	27.5	13.7	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-38	821.2	03/12/10		F	CS	METALS	Nickel	Ni	12.4	0.91	LANL Reg BG LVL	3.09	2.0	0.5	ug/L	1				SW-846:6020	GELC	
C5	16	26	06/23/06	18.5	610	142	26	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	03/01/10	FD	F	CS	GENINORG	Chloride	Cl(-1)	172	1.21	LANL Int BG LVL	7.78	11.1	3.3	mg/L	50				EPA:300.0	GELC	
C5	16	26	06/23/06	18.5	610	142	26	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	03/01/10		F	CS	GENINORG	Chloride	Cl(-1)	173	1.22	LANL Int BG LVL	7.78	11.1	3.3	mg/L	50				EPA:300.0	GELC	
C5	16	26	06/23/06	3.3	83.5	31.1	25	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	03/01/10	FD	F	CS	METALS	Zinc	Zn	31.7	1.02	LANL Int BG LVL	2	7.9	3.3	ug/L	1				SW-846:6010B	GELC	
C5	16	26	06/23/06	3.3	83.5	31.1	25	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	03/01/10		F	CS	METALS	Zinc	Zn	32.6	1.05	LANL Int BG LVL	2	8.2	3.3	ug/L	1				SW-846:6010B	GELC	
C5	4	4	06/11/09	0.16	0.192	0.174	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	PCI-2	512	03/01/10		F	CS	GENINORG	Perchlorate	ClO4	0.16	0.92	LANL Int BG LVL	0.05	1.6	0.05	ug/L	1	J	J	J_LAB	SW-846:6850	GELC	
C5	5	5	01/28/09	93	120	113	5	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	R-40	649.7	03/03/10		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	120	1.06	LANL Int BG LVL	52	1.2	0.73	mg/L	1				EPA:310.1	GELC	
C5	5	5	01/28/09	106	398	313	5	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	R-40	649.7	03/03/10		F	CS	METALS	Manganese	Mn	398	1.27	LANL Int BG LVL	2	99.5	2	ug/L	1				SW-846:6010B	GELC	
C5	5	5	01/28/09	9.7	22	20	5	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	R-40	649.7	03/03/10		F	CS	METALS	Molybdenum	Mo	22	1.10	LANL Int BG LVL	2	5.5	0.1	ug/L	1				SW-846:6020	GELC	
C5	16	29	08/25/05	0.364	1.28	0.708	25	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-18	1358	03/11/10		UF	CS	GENINORG	Total Organic Carbon	TOC	0.804	1.14	LANL Reg BG LVL	0.33	1.2	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC	
C5	13	16	03/11/04	11.9	28.5	16.1	16	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-20	904.6	03/13/10		F	CS	METALS	Manganese	Mn	14.3	0.89	LANL Reg BG LVL	2.94	2.4	2	ug/L	1				SW-846:6010B	GELC	
C5	4	4	06/23/09	6.03	27.1	14.05	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-49	845	03/03/10		F	CS	METALS	Manganese	Mn	13.5	0.96	LANL Reg BG LVL	2.94	2.3	2	ug/L	1				SW-846:6010B	GELC	
C5	3	3	03/31/08	0.143	1.19	0.551	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		F	CS	GENINORG	Perchlorate	ClO4	1.19	2.16	LANL Avl BG LVL	0.05	11.9	0.1	ug/L	2				SW-846:6850	GELC	
C5	15	15	11/15/00	54.1	206	119	15	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		F	CS	GENINORG	Sodium	Na	88.4	0.74	LANL Avl BG LVL	15.54	2.8	0.1	mg/L	1				SW-846:6010B	GELC	
C5	4	4	05/09/07	0.464	1.02	0.847	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	1.02	1.20	LANL Avl BG LVL	0.05	10.2	0.015	mg/L	1		J	l4a	EPA:365.4	GELC	
C5	4	4	05/09/07	50	111	60	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		F	CS	GENINORG	Sulfate	SO4(-2)	52.8	0.88	LANL Avl BG LVL	24.83	1.1	1	mg/L	10				EPA:300.0	GELC	
C5	6	6	09/01/05	506	858	590	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		F	CS	GENINORG	Total Dissolved Solids	TDS	858	1.45	LANL Avl BG LVL	139	3.1	2.4	mg/L	1				EPA:160.1	GELC	higher in 1998, near this in 2007
C5	15	15	11/15/00	1.8	48	8	14	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		F	CS	METALS	Chromium	Cr	8.08	1.01	LANL Avl BG LVL	1	4.0	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port 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	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
C5	15	15	11/15/00	9.83	230	69	15	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		F	CS	METALS	Manganese	Mn	69	1.00	LANL Avl BG LVL	2	17.3	2	ug/L	1				SW-846:6010B	GELC	
C5	15	15	11/15/00	7.24	32	14.3	12	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		F	CS	METALS	Nickel	Ni	10.2	0.71	LANL Avl BG LVL	1	5.1	0.5	ug/L	1				SW-846:6020	GELC	
C5	15	15	11/15/00	9.9	78	18.7	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		F	CS	METALS	Vanadium	V	25.7	1.37	LANL Avl BG LVL	1	12.9	1	ug/L	1				SW-846:6010B	GELC	
C5	34	39	03/23/00	2030	5150	3180	38	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	04/16/10	FD	F	CS	METALS	Barium	Ba	4890	1.54	LANL Avl BG LVL	68.57	35.7	1	ug/L	1				SW-846:6010B	GELC	
C5	34	39	03/23/00	2030	5150	3180	38	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	04/16/10		F	CS	METALS	Barium	Ba	4770	1.50	LANL Avl BG LVL	68.57	34.8	1	ug/L	1				SW-846:6010B	GELC	
C5	33	36	03/23/00	5720	13000	9645	36	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	04/12/10		F	CS	METALS	Barium	Ba	6630	0.69	LANL Avl BG LVL	68.57	48.3	1	ug/L	1				SW-846:6010B	GELC	
C5	34	40	03/28/00	4580	8440	6365	40	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	04/12/10		F	CS	METALS	Barium	Ba	5400	0.85	LANL Avl BG LVL	68.57	39.4	1	ug/L	1				SW-846:6010B	GELC	
C5	3	3	04/03/08	444	713	462	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25280	2.6	04/05/10		F	CS	METALS	Barium	Ba	713	1.54	LANL Avl BG LVL	68.57	5.2	1	ug/L	1				SW-846:6010B	GELC	
C5	3	3	04/03/08	3.84	5.7	4.18	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25280	2.6	04/05/10		F	CS	METALS	Cobalt	Co	3.84	0.92	LANL Avl BG LVL	0.5	3.8	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	3	3	04/03/08	6.86	10.2	8.47	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25280	2.6	04/05/10		F	CS	METALS	Chromium	Cr	6.86	0.81	LANL Avl BG LVL	1	3.4	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C5	3	3	04/03/08	49.8	73.1	62.2	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25280	2.6	04/05/10		F	CS	METALS	Manganese	Mn	62.2	1.00	LANL Avl BG LVL	2	15.6	2	ug/L	1				SW-846:6010B	GELC	
C5	3	3	04/03/08	6.2	12.3	6.5	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25280	2.6	04/05/10		F	CS	METALS	Nickel	Ni	12.3	1.89	LANL Avl BG LVL	1	6.2	0.5	ug/L	1				SW-846:6020	GELC	
C5	3	3	04/03/08	5.14	6.9	5.2	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25280	2.6	04/05/10		F	CS	METALS	Lead	Pb	6.9	1.33	LANL Avl BG LVL	0.5	6.9	0.5	ug/L	1				SW-846:6020	GELC	
C5	3	3	04/03/08	14.3	18.5	16.6	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25280	2.6	04/05/10		F	CS	METALS	Vanadium	V	18.5	1.11	LANL Avl BG LVL	1	9.3	1	ug/L	1				SW-846:6010B	GELC	
C5	3	3	04/03/08	27.9	39.5	30.5	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25280	2.6	04/05/10		F	CS	METALS	Zinc	Zn	39.5	1.30	LANL Avl BG LVL	2	9.9	3.3	ug/L	1				SW-846:6010B	GELC	
C5	4	4	10/24/07	150	218	192	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25279	2.7	04/05/10		F	CS	METALS	Barium	Ba	200	1.04	LANL Avl BG LVL	68.57	1.5	1	ug/L	1				SW-846:6010B	GELC	
C5	4	4	10/24/07	1.53	18	5.62	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25279	2.7	04/05/10		F	CS	METALS	Cobalt	Co	3.03	0.54	LANL Avl BG LVL	0.5	3.0	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	4	4	10/24/07	2.6	5.9	5.7	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25279	2.7	04/05/10		F	CS	METALS	Chromium	Cr	5.82	1.02	LANL Avl BG LVL	1	2.9	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C5	4	4	10/24/07	61.4	1030	327.3	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25279	2.7	04/05/10		F	CS	METALS	Manganese	Mn	61.4	0.19	LANL Avl BG LVL	2	15.4	2	ug/L	1				SW-846:6010B	GELC	
C5	4	4	10/24/07	4.89	10	7.55	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25279	2.7	04/05/10		F	CS	METALS	Nickel	Ni	9.59	1.27	LANL Avl BG LVL	1	4.8	0.5	ug/L	1				SW-846:6020	GELC	
C5	4	4	10/24/07	1.9	4.97	2.96	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25279	2.7	04/05/10		F	CS	METALS	Lead	Pb	4.97	1.68	LANL Avl BG LVL	0.5	5.0	0.5	ug/L	1				SW-846:6020	GELC	
C5	4	4	10/24/07	8.75	14.7	12.5	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25279	2.7	04/05/10		F	CS	METALS	Vanadium	V	14.7	1.18	LANL Avl BG LVL	1	7.4	1	ug/L	1				SW-846:6010B	GELC	
C5	4	4	10/22/07	260	618	340	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25278	1.6	04/07/10		F	CS	METALS	Barium	Ba	364	1.07	LANL Avl BG LVL	68.57	2.7	1	ug/L	1				SW-846:6010B	GELC	
C5	4	4	10/22/07	3.15	6.29	3.6	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25278	1.6	04/07/10		F	CS	METALS	Chromium	Cr	6.29	1.75	LANL Avl BG LVL	1	3.2	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C5	4	4	10/22/07	36.3	1370	82.3	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25278	1.6	04/07/10		F	CS	METALS	Manganese	Mn	59.5	0.72	LANL Avl BG LVL	2	14.9	2	ug/L	1				SW-846:6010B	GELC	
C5	4	4	10/22/07	2.2	7	4.6	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25278	1.6	04/07/10		F	CS	METALS	Nickel	Ni	6.79	1.48	LANL Avl BG LVL	1	3.4	0.5	ug/L	1				SW-846:6020	GELC	
C5	4	4	10/22/07	1.39	4.8	1.7	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25278	1.6	04/07/10		F	CS	METALS	Lead	Pb	4.8	2.82	LANL Avl BG LVL	0.5	4.8	0.5	ug/L	1				SW-846:6020	GELC	
C5	4	4	10/22/07	2.1	16	8.1	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25278	1.6	04/07/10		F	CS	METALS	Vanadium	V	16	1.98	LANL Avl BG LVL	1	8.0	1	ug/L	1				SW-846:6010B	GELC	
C5	4	4	10/22/07	3.7	41	15.5	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25278	1.6	04/07/10		F	CS	METALS	Zinc	Zn	41	2.65	LANL Avl BG LVL	2	10.3	3.3	ug/L	1				SW-846:6010B	GELC	
C5	5	5	11/14/00	623	2250	929	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06293	2	04/07/10		F	CS	METALS	Boron	B	929	1.00	LANL Avl BG LVL	51.89	9.0	15	ug/L	1				SW-846:6010B	GELC	
C5	6	6	11/14/00	19.2	182	63.2	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06293	2	04/07/10		F	CS	METALS	Manganese	Mn	19.2	0.30	LANL Avl BG LVL	2	4.8	2	ug/L	1				SW-846:6010B	GELC	
C5	6	6	11/14/00	2.43	2.9	2.6	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06293	2	04/07/10		F	CS	METALS	Nickel	Ni	2.43	0.93	LANL Avl BG LVL	1	1.2	0.5	ug/L	1				SW-846:6020	GELC	
C5	6	6	11/14/00	35.4	413	250	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06293	2	04/07/10		F	CS	METALS	Zinc	Zn	250	1.00	LANL Avl BG LVL	2	62.5	3.3	ug/L	1				SW-846:6010B	GELC	
C5	15	15	11/14/00	149	502	309	15	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06294	2.5	04/08/10		F	CS	METALS	Boron	B	341	1.10	LANL Avl BG LVL	51.89	3.3	15	ug/L	1				SW-846:6010B	GELC	
C5	19	19	11/14/00	0.647	16.5	5.16	12	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06294	2.5	04/08/10		F	CS	METALS	Cobalt	Co	2.28	0.44	LANL Avl BG LVL	0.5	2.3	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	19	19	11/14/00	29.4	1300	283	19	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06294	2.5	04/08/10		F	CS	METALS	Manganese	Mn	33.4	0.12	LANL Avl BG LVL	2	8.4	2	ug/L	1				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	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	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
C5	19	19	11/14/00	2.2	7.5	4	14	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06294	2.5	04/08/10		F	CS	METALS	Nickel	Ni	2.2	0.55	LANL Avl BG LVL	1	1.1	0.5	ug/L	1				SW-846:6020	GELC	
C5	19	19	11/14/00	1.6	14.8	4.8	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06294	2.5	04/08/10		F	CS	METALS	Vanadium	V	6.21	1.29	LANL Avl BG LVL	1	3.1	1	ug/L	1				SW-846:6010B	GELC	
C5	19	19	11/14/00	5.7	36.8	19.2	15	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06294	2.5	04/08/10		F	CS	METALS	Zinc	Zn	20.4	1.06	LANL Avl BG LVL	2	5.1	3.3	ug/L	1				SW-846:6010B	GELC	
C5	24	25	03/23/00	128	347	234	21	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	1.5	04/08/10		F	CS	METALS	Boron	B	208	0.89	LANL Avl BG LVL	51.89	2.0	15	ug/L	1				SW-846:6010B	GELC	
C5	29	31	03/23/00	113	300	141	30	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	1.5	04/08/10		F	CS	METALS	Barium	Ba	160	1.13	LANL Avl BG LVL	68.57	1.2	1	ug/L	1				SW-846:6010B	GELC	
C5	29	31	03/23/00	11.7	3340	128	31	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	1.5	04/08/10		F	CS	METALS	Manganese	Mn	15	0.12	LANL Avl BG LVL	2	3.8	2	ug/L	1				SW-846:6010B	GELC	
C5	29	31	03/23/00	2.7	13.9	4.5	23	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	1.5	04/08/10		F	CS	METALS	Vanadium	V	3.37	0.75	LANL Avl BG LVL	1	1.7	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	29	29	01/10/00	209	371	276	28	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	SWSC Spring	0	04/09/10		F	CS	METALS	Barium	Ba	327	1.18	LANL Int BG LVL	71.83	2.3	1	ug/L	1				SW-846:6010B	GELC	
C5	52	67	01/10/00	146	265	180	61	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	04/09/10		F	CS	METALS	Barium	Ba	265	1.47	LANL Int BG LVL	71.83	1.8	1	ug/L	1				SW-846:6010B	GELC	
C5	52	67	01/10/00	146	265	180	61	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	04/09/10	FD	F	CS	METALS	Barium	Ba	255	1.42	LANL Int BG LVL	71.83	1.8	1	ug/L	1				SW-846:6010B	GELC	
C5	11	11	03/30/00	206	382	292	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	04/14/10		F	CS	METALS	Barium	Ba	377	1.29	LANL Int BG LVL	71.83	2.6	1	ug/L	1				SW-846:6010B	GELC	
C5	11	11	03/30/00	18.4	299	59.6	11	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	04/14/10		F	CS	METALS	Manganese	Mn	34.2	0.57	LANL Int BG LVL	2	8.6	2	ug/L	1				SW-846:6010B	GELC	
C5	48	51	01/10/00	17	50.2	35	51	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	04/13/10		F	CS	GENINORG	Sodium	Na	34.5	0.99	LANL Int BG LVL	12.19	1.4	0.1	mg/L	1				SW-846:6010B	GELC	
C5	44	47	01/10/00	570	2840	2000	47	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	04/13/10		F	CS	METALS	Boron	B	1240	0.62	LANL Int BG LVL	15.12	41.0	15	ug/L	1				SW-846:6010B	GELC	
C5	48	51	01/10/00	122	243	178	44	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	04/13/10		F	CS	METALS	Barium	Ba	176	0.99	LANL Int BG LVL	71.83	1.2	1	ug/L	1				SW-846:6010B	GELC	
C5	3	3	04/15/09	0.186	1.12	0.982	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/05/10		F	CS	GENINORG	Perchlorate	ClO4	0.186	0.19	LANL Int BG LVL	0.05	1.9	0.05	ug/L	1	J	J	J_LAB	SW-846:6850	GELC	
C5	4	4	04/15/09	2.15	14.2	4.18	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/05/10		F	CS	METALS	Cobalt	Co	4.43	1.06	LANL Int BG LVL	0.5	4.4	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	4	4	04/15/09	2.56	6.69	4.65	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/05/10		F	CS	METALS	Nickel	Ni	3.97	0.85	LANL Int BG LVL	1	2.0	0.5	ug/L	1				SW-846:6020	GELC	
C5	8	9	02/01/07	0.204	0.246	0.228	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-26	659.3	04/02/10		F	CS	GENINORG	Perchlorate	ClO4	0.223	0.98	LANL Int BG LVL	0.05	2.2	0.05	ug/L	1				SW-846:6850	GELC	
C5	4	5	01/05/09	0.208	0.289	0.239	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	04/21/10		F	CS	GENINORG	Perchlorate	ClO4	0.289	1.21	LANL Int BG LVL	0.05	2.9	0.05	ug/L	1				SW-846:6850	GELC	
C5	4	5	01/05/09	8.53	102	90.5	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	04/21/10		F	CS	METALS	Manganese	Mn	8.53	0.09	LANL Int BG LVL	2	2.1	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	4	5	01/05/09	12.4	40.3	32.9	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	04/21/10		F	CS	METALS	Molybdenum	Mo	12.4	0.38	LANL Int BG LVL	2	3.1	0.1	ug/L	1				SW-846:6020	GELC	
C5	4	5	01/05/09	1.6	3.12	2.03	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	04/21/10		F	CS	METALS	Uranium	U	2.08	1.02	LANL Int BG LVL	0.72	1.4	0.05	ug/L	1		J	l4a	SW-846:6020	GELC	
C5	4	5	01/05/09	24.1	1420	74.1	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	04/21/10		F	CS	METALS	Zinc	Zn	24.1	0.33	LANL Int BG LVL	2	6.0	3.3	ug/L	1				SW-846:6010B	GELC	
C5	11	11	12/04/00	0.084	0.111	0.103	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	1192.4	04/07/10		F	CS	GENINORG	Bromide	Br(-1)	0.101	0.98	LANL Int BG LVL	0.03	1.7	0.066	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
C5	11	11	12/04/00	2	140	31	11	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	1192.4	04/07/10		F	CS	METALS	Manganese	Mn	39.7	1.28	LANL Int BG LVL	2	9.9	2	ug/L	1				SW-846:6010B	GELC	
C5	11	11	12/04/00	0.75	11	2.7	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	1192.4	04/07/10		F	CS	METALS	Nickel	Ni	4.42	1.64	LANL Int BG LVL	1	2.2	0.5	ug/L	1				SW-846:6020	GELC	
C5	11	11	12/04/00	2.9	20.1	7.4	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	1192.4	04/07/10		F	CS	METALS	Zinc	Zn	14.5	1.96	LANL Int BG LVL	2	3.6	3.3	ug/L	1				SW-846:6010B	GELC	
C5	7	11	05/21/07	0.449	0.589	0.507	11	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/16/10		F	CS	GENINORG	Perchlorate	ClO4	0.493	0.97	LANL Int BG LVL	0.05	4.9	0.05	ug/L	1				SW-846:6850	GELC	
C5	7	11	05/21/07	0.449	0.589	0.507	11	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/16/10	FD	F	CS	GENINORG	Perchlorate	ClO4	0.474	0.93	LANL Int BG LVL	0.05	4.7	0.05	ug/L	1				SW-846:6850	GELC	
C5	11	16	06/01/05	51	65.4	58.4	16	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/16/10	FD	F	CS	METALS	Boron	B	56.7	0.97	LANL Int BG LVL	15.12	1.9	15	ug/L	1				SW-846:6010B	GELC	
C5	11	16	06/01/05	51	65.4	58.4	16	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/16/10		F	CS	METALS	Boron	B	55.9	0.96	LANL Int BG LVL	15.12	1.9	15	ug/L	1				SW-846:6010B	GELC	
C5	11	16	06/01/05	3.2	7.4	4.7	16	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/16/10	FD	F	CS	METALS	Nickel	Ni	6.52	1.39	LANL Int BG LVL	1	3.3	0.5	ug/L	1				SW-846:6020	GELC	
C5	11	16	06/01/05	3.2	7.4	4.7	16	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/16/10		F	CS	METALS	Nickel	Ni	6.92	1.47	LANL Int BG LVL	1	3.5	0.5	ug/L	1				SW-846:6020	GELC	
C5	9	9	12/07/00	2.7	9.87	4.86	8	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	04/07/10		F	CS	METALS	Molybdenum	Mo	4.76	0.98	LANL Reg BG LVL	2	1.2	0.1	ug/L	1				SW-846:6020	GELC	
C5	3	4	11/23/09	30.2	50.1	38.2	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-48	1500	04/07/10		F	CS	METALS	Manganese	Mn	31.1	0.81	LANL Reg BG LVL	2.94	5.3	2	ug/L	1				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	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	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
C5	3	4	11/23/09	30.2	50.1	38.2	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-48	1500	04/07/10	FD	F	CS	METALS	Manganese	Mn	30.2	0.79	LANL Reg BG LVL	2.94	5.1	2	ug/L	1				SW-846:6010B	GELC	
C5	8	12	07/20/05	88.2	113	99.6	12	Ancho Canyon	Regional	Test Well DT-9	819	04/23/10		F	CS	METALS	Zinc	Zn	89.1	0.89	LANL Reg BG LVL	3.89	11.5	3.3	ug/L	1				SW-846:6010B	GELC	
C5	8	9	07/19/05	65.1	112	74.2	9	Ancho Canyon	Regional	Test Well DT-10	1078.4	04/14/10		F	CS	METALS	Zinc	Zn	65.3	0.88	LANL Reg BG LVL	3.89	8.4	3.3	ug/L	1				SW-846:6010B	GELC	
C6	19	21	06/09/05	3.17	5.36	4.24	21	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689	05/03/10		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.18	1.22	EPA MCL	10	1.0	0.25	mg/L	25				EPA:353.2	GELC	at this level in 2007 and earlier
C6	5	5	01/28/09	154	1420	1320	5	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	R-40	649.7	03/03/10		F	CS	METALS	Iron	Fe	1420	1.08	NM GW STD	1000	2.8	30	ug/L	1		J	I10a	SW-846:6010B	GELC	
C6	5	5	01/28/09	106	398	313	5	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	R-40	649.7	03/03/10		F	CS	METALS	Manganese	Mn	398	1.27	NM GW STD	200	4.0	2	ug/L	1				SW-846:6010B	GELC	
C6	30	30	01/31/00	20.4	140	47.8	29	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	SWSC Spring	0	04/09/10		UF	DL	HEXP	RDX	121-82-4	60.5	1.27	EPA TAP SCRN LVL C-5	6.1	19.8	1	ug/L	20				SW-846:8321A_MOD	GELC	
C6	51	71	01/31/00	4.59	100	21.9	65	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	04/09/10		UF	DL	HEXP	RDX	121-82-4	38.1	1.74	EPA TAP SCRN LVL C-5	6.1	12.5	1	ug/L	20				SW-846:8321A_MOD	GELC	
C6	52	67	01/10/00	14.6	1250	170	43	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	04/09/10		F	CS	METALS	Iron	Fe	783	4.61	NM GW STD	1000	1.6	30	ug/L	1	*	J	I10a	SW-846:6010B	GELC	
C6	48	51	01/10/00	29.3	2690	139.5	30	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	04/13/10		F	CS	METALS	Iron	Fe	769	5.51	NM GW STD	1000	1.5	30	ug/L	1				SW-846:6010B	GELC	
CA	15	15	11/15/00	1420	79700	13200	15	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		F	CS	METALS	Aluminum	Al	23700	1.80	NM GW STD	5000	4.7	68	ug/L	1				SW-846:6010B	GELC	
CA	16	16	11/15/00	1.5	9.62	5.2	11	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		UF	CS	METALS	Beryllium	Be	4.01	0.77	EPA MCL	4	1.0	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	many higher results previously
CA	16	16	11/15/00	2.2	66.8	25.5	16	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	2.3	04/13/10		UF	CS	METALS	Lead	Pb	19	0.75	EPA MCL	15	1.3	0.5	ug/L	1				SW-846:6020	GELC	previous higher values
CA	5	5	11/14/00	623	2250	929	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06293	2	04/07/10		F	CS	METALS	Boron	B	929	1.00	NM GW STD	750	1.2	15	ug/L	1				SW-846:6010B	GELC	above standard in 2000, 2001
CA	4	4	10/22/08	74.5	1380	196	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	CDV-5.0 SPRING	0	04/12/10		F	CS	METALS	Iron	Fe	1380	7.04	NM GW STD	1000	1.4	30	ug/L	1				SW-846:6010B	GELC	Turbidity was high at 30.7 NTU
CA	10	10	03/21/00	177	3120	585	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	0	04/19/10		F	CS	METALS	Barium	Ba	2010	3.44	NM GW STD	1000	2.0	1	ug/L	1				SW-846:6010B	GELC	
CA	11	11	03/30/00	410	6360	2340	11	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	04/14/10		F	CS	METALS	Iron	Fe	2340	1.00	NM GW STD	1000	2.3	30	ug/L	1	*	J	I10a	SW-846:6010B	GELC	
CA	9	10	11/29/01	33.1	1500	191.5	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Water Canyon Gallery	0	04/12/10		F	CS	METALS	Iron	Fe	1500	7.83	NM GW STD	1000	1.5	30	ug/L	1				SW-846:6010B	GELC	turbidity high at 24.4 NTU
CA	12	18	06/07/01	0.23	20.1	0.96	15	Ancho Canyon	Regional	Test Well DT-9	819	04/23/10		UF	CS	METALS	Lead	Pb	20.1	20.94	EPA MCL	15	1.3	0.5	ug/L	1				SW-846:6020	GELC	turbidity was 2.2 NTU, not unusually high; previous UF lead values of 8 ug/L and higher
CA	8	8	09/19/06	75.7	1280	677.9	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	03/24/10		F	CS	METALS	Iron	Fe	1280	1.89	NM GW STD	1000	1.3	30	ug/L	1				SW-846:6010B	GELC	unfiltered result was 316 ug/L