SUMMARY OF NEW LOS ALAMOS NATIONAL LABORATORY GROUNDWATER DATA LOADED IN MAY 2009

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 5-09 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 Region 6 tap water screening levels (for compounds having no other regulatory standard). In the table, the EPA Region 6 tap water screening levels 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, 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 5-09 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	Symbol	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	3	04/01/09	7.5	7.5	7.5	1	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-41	965.3	04/01/09		UF	CS	VOA	Toluene	108-88-3		7.5	1.00	NM GW STD	750	0.0	0.25	ug/L	1				SW-846:8260B	GELC	
C1	6	8	07/23/01	0.39	0.39	0.39	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02657	0.4	03/31/09		UF	CS	HEXP	DNX	DNX		0.39	1.00				0.069	ug/L	1	J	J	J_LAB	SW-846:8330	STSL	
C1	6	8	07/23/01	0.25	0.29	0.27	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02657	0.4	03/31/09		UF	CS	HEXP	TNX	TNX		0.29	1.07				0.082	ug/L	1	J	J	J_LAB	SW-846:8330	STSL	
C1	3	3	10/24/07	2.03	2.03	2.03	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25279	2.7	04/01/09		UF	CS	VOA	Butanone[2-]	78-93-3		2.03	1.00	EPA TAP SCRN LVL N	7064.5	0.0	1.3	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C1	3	3	04/12/04	6.58	6.58	6.58	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06293	2	04/09/09		UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7		6.58	1.00	EPA PRIM DW STD	6	1.1	2.5	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC	
C1	10	16	08/26/05	0.683	0.76	0.722	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	03/24/09	FD	UF	CS	HEXP	3,5-Dinitroaniline	618-87-1		0.683	0.95				0.61	ug/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	
C1	10	16	08/26/05	0.683	0.76	0.722	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	03/24/09		UF	CS	HEXP	3,5-Dinitroaniline	618-87-1		0.76	1.05				0.61	ug/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	
C1	5	9	01/29/07	0.253	0.253	0.253	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	03/24/09	FD	UF	CS	VOA	Methyl tert-Butyl Ether	1634-04-4		0.253	1.00	EPA TAP SCRN LVL C-5	370.83	0.0	0.25	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	not in field dup but found in nearby wells
C1	26	29	03/21/00	1.49	2.3	1.9	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	03/24/09		UF	CS	VOA	Butanone[2-]	78-93-3		1.49	0.78	EPA TAP SCRN LVL N	7064.5	0.0	1.3	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C1	1	1	04/15/09	0.676	0.676	0.676	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/15/09		UF	CS	VOA	Tetrachloroethene	127-18-4		0.676	1.00	EPA PRIM DW STD	5	0.1	0.45	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C1	1	1	04/15/09	6.79	6.79	6.79	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/15/09		UF	CS	VOA	Butanone[2-]	78-93-3		6.79	1.00	EPA TAP SCRN LVL N	7064.5	0.0	1.3	ug/L	1				SW-846:8260B	GELC	
C1	7	7	08/14/01	0.096	0.096	0.096	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	891.8	04/01/09		UF	CS	HEXP	MNX	MNX		0.096	1.00				0.091	ug/L	1	J	J	J_LAB	SW-846:8330	STSL	
C1	8	8	08/15/01	0.15	0.18	0.17	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	1192.4	03/31/09		UF	CS	HEXP	DNX	DNX		0.18	1.06				0.069	ug/L	1	JP	J	J_LAB	SW-846:8330	STSL	
C1	8	8	08/15/01	0.13	0.42	0.18	4	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	1192.4	03/31/09		UF	CS	HEXP	MNX	MNX		0.13	0.72				0.091	ug/L	1	J	J	H0	SW-846:8330	STSL	
C1	8	8	08/15/01	0.12	0.12	0.12	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	1192.4	03/31/09		UF	CS	HEXP	TNX	TNX		0.12	1.00				0.082	ug/L	1	J	J	J_LAB	SW-846:8330	STSL	
C1	5	7	05/21/07	0.16	0.18	0.16	3	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/08/09		UF	CS	HEXP	DNX	DNX		0.18	1.13				0.069	ug/L	1	J	J	J_LAB	SW-846:8330	STSL	
C1	5	7	05/21/07	0.16	0.18	0.16	3	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/08/09	FD	UF	CS	HEXP	DNX	DNX		0.16	1.00				0.069	ug/L	1	J	J	J_LAB	SW-846:8330	STSL	
C1	5	7	05/21/07	0.27	0.33	0.3	3	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/08/09		UF	CS	HEXP	MNX	MNX		0.3	1.00				0.091	ug/L	1	J	J	J_LAB	SW-846:8330	STSL	
C1	5	7	05/21/07	0.27	0.33	0.3	3	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/08/09	FD	UF	CS	HEXP	MNX	MNX		0.27	0.90				0.091	ug/L	1	J	J	J_LAB	SW-846:8330	STSL	
C1	5	7	05/21/07	0.18	0.2	0.19	3	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/08/09		UF	CS	HEXP	TNX	TNX		0.2	1.05				0.082	ug/L	1	J	J	J_LAB	SW-846:8330	STSL	
C1	5	7	05/21/07	0.18	0.2	0.19	3	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/08/09	FD	UF	CS	HEXP	TNX	TNX		0.18	0.95				0.082	ug/L	1	J	J	J_LAB	SW-846:8330	STSL	
C1	6	11	02/05/07	0.16	0.23	0.16	3	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	850	03/31/09		UF	CS	HEXP	MNX	MNX		0.16	1.00				0.091	ug/L	1	J	J	J_LAB	SW-846:8330	STSL	
C1	6	11	02/05/07	0.16	0.23	0.16	3	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	850	03/31/09	FD	UF	CS	HEXP	MNX	MNX		0.16	1.00				0.091	ug/L	1	J	J	J_LAB	SW-846:8330	STSL	
C1	11	12	12/07/00	0.283	3.3	2.45	4	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	04/07/09		UF	CS	VOA	Toluene	108-88-3		0.283	0.12	NM GW STD	750	0.0	0.25	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C2	1	1	03/11/09	1.09	1.09	1.09	1	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-46	1340	03/11/09		UF	CS	GENINORG	Total Organic Carbon	TOC		1.09	1.00	LANL Reg BG LVL	0.33	3.3	0.33	mg/L	1				SW-846:9060	GELC	
C2	2	2	04/01/09	3.59	3.75	3.67	2	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-41	965.3	04/01/09		F	CS	GENINORG	Chloride	Cl(-1)		3.75	1.02	LANL Reg BG LVL	3.57	1.1	0.066	mg/L	1				EPA:300.0	GELC	
C2	2	2	04/01/09	0.616	0.616	0.616	1	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-41	965.3	04/01/09		UF	CS	GENINORG	Total Organic Carbon	TOC		0.616	1.00	LANL Reg BG LVL	0.33	1.9	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC	
C2	2	2	04/01/09	163	163	163	1	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-41	965.3	04/01/09		F	CS	METALS	Aluminum	Al		163	1.00	LANL Reg BG LVL	68	2.4	68	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	2	2	04/01/09	116	116	116	1	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-41	965.3	04/01/09		F	CS	METALS	Iron	Fe		116	1.00	LANL Reg BG LVL	21	5.5	25	ug/L	1				SW-846:6010B	GELC	
C2	2	2	04/01/09	41.8	55.3	48.6	2	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-41	965.3	04/01/09		F	CS	METALS	Manganese	Mn		55.3	1.14	LANL Reg BG LVL	2.94	18.8	2	ug/L	1				SW-846:6010B	GELC	
C2	2	2	04/01/09	3.89	8.69	6.29	2	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-41	965.3	04/01/09		F	CS	METALS	Molybdenum	Mo		8.69	1.38	LANL Reg BG LVL	2	4.4	0.1	ug/L	1				SW-846:6020	GELC	
C2	2	2	04/01/09	5.38	5.38	5.38	1	Mortandad Canyon (includes Ten Site Canyon and Cañada del Buey)	Regional	R-41	965.3	04/01/09		F	CS	METALS	Zinc	Zn		5.38	1.00	LANL Reg BG LVL	3.89	1.4	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	13	13	09/09/04	55.1	82	68	13	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate Spring	Bulldog Spring	0	03/06/09		F	CS	METALS	Barium	Ba		77.8	1.14	LANL Int BG LVL	71.83	1.1	1	ug/L	1				SW-846:6010B	GELC	
C2	6	7	01/26/07	0.037	0.051	0.044	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	03/26/09		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P		0.051	1.16	LANL Avl BG LVL	0.05	1.0	0.015	mg/L	1				EPA:365.4	GELC	
C2	2	2	04/03/08	0.109	0.109	0.109	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25280	2.6	04/02/09		F	CS	GENINORG	Perchlorate	ClO4		0.109	1.00	LANL Avl BG LVL	0.05	2.2	0.05	ug/L	1	J	J	PE16a	SW-846:6850	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	Symbol	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	2	2	04/03/08	5.18	5.18	5.18	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25280	2.6	04/02/09		F	CS	METALS	Copper	Cu		5.18	1.00	LANL Avl BG LVL	3	1.7	3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	2	2	04/03/08	0.501	0.501	0.501	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25280	2.6	04/02/09		F	CS	METALS	Antimony	Sb		0.501	1.00	LANL Avl BG LVL	0.5	1.0	0.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C2	5	5	11/14/00	15	27.9	26.2	5	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06293	2	04/09/09		F	CS	GENINORG	Calcium	Ca		27.9	1.06	LANL Avl BG LVL	26.36	1.1	0.03	mg/L	1				SW-846:6010B	GELC	
C2	5	5	11/14/00	1.67	3.5	2.59	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06293	2	04/09/09		F	CS	METALS	Cobalt	Co		1.67	0.64	LANL Avl BG LVL	0.5	3.3	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	5	5	11/14/00	2.4	2.64	2.52	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06293	2	04/09/09		F	CS	METALS	Chromium	Cr		2.64	1.05	LANL Avl BG LVL	1	2.6	1.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C2	2	2	04/02/08	0.89	1.57	1.23	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06293	2	04/09/09		F	CS	METALS	Uranium	U		1.57	1.28	LANL Avl BG LVL	1.03	1.5	0.05	ug/L	1				SW-846:6020	GELC	
C2	5	5	11/14/00	1.7	6	3.9	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06293	2	04/09/09		F	CS	METALS	Vanadium	V		1.7	0.44	LANL Avl BG LVL	1	1.7	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	2	2	10/22/08	0.104	0.233	0.169	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	CDV-5.0 SPRING	0	03/25/09		F	CS	GENINORG	Fluoride	F(-1)		0.233	1.38	LANL Int BG LVL	0.23	1.0	0.033	mg/L	1				EPA:300.0	GELC	
C2	5	5	05/10/07	0.033	0.086	0.06	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	SWSC Spring	0	03/24/09		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P		0.086	1.43	LANL Int BG LVL	0.08	1.1	0.024	mg/L	1				EPA:365.4	GELC	
C2	6	6	08/25/05	70	224	163	6	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	04/02/09		F	CS	GENINORG	Total Dissolved Solids	TDS		148	0.91	LANL Int BG LVL	127	1.2	2.4	mg/L	1				EPA:160.1	GELC	
C2	7	8	11/29/01	0.056	0.12	0.075	4	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Water Canyon Gallery	0	03/25/09		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P		0.089	1.19	LANL Int BG LVL	0.08	1.1	0.024	mg/L	1				EPA:365.4	GELC	
C2	7	8	11/29/01	1.28	2.38	1.83	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Water Canyon Gallery	0	03/25/09		F	CS	METALS	Chromium	Cr		2.38	1.30	LANL Int BG LVL	1	2.4	1.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C2	1	1	04/15/09	90.3	90.3	90.3	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/15/09		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3		90.3	1.00	LANL Int BG LVL	52	1.7	2.9	mg/L	1				EPA:310.1	GELC	
C2	1	1	04/15/09	22.4	22.4	22.4	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/15/09		F	CS	GENINORG	Calcium	Ca		22.4	1.00	LANL Int BG LVL	17.31	1.3	0.03	mg/L	1				SW-846:6010B	GELC	
C2	1	1	04/15/09	0.982	0.982	0.982	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/15/09		F	CS	GENINORG	Perchlorate	ClO4		0.982	1.00	LANL Int BG LVL	0.05	19.6	0.05	ug/L	1		J	PE16a	SW-846:6850	GELC	
C2	1	1	04/15/09	142	142	142	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/15/09		F	CS	GENINORG	Total Dissolved Solids	TDS		142	1.00	LANL Int BG LVL	127	1.1	2.4	mg/L	1		J	I4a	EPA:160.1	GELC	
C2	1	1	04/15/09	3.93	3.93	3.93	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/15/09		F	CS	METALS	Cobalt	Co		3.93	1.00	LANL Int BG LVL	0.5	7.9	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	1	1	04/15/09	2.21	2.21	2.21	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/15/09		F	CS	METALS	Chromium	Cr		2.21	1.00	LANL Int BG LVL	1	2.2	1.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C2	1	1	04/15/09	26.6	26.6	26.6	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/15/09		F	CS	METALS	Manganese	Mn		26.6	1.00	LANL Int BG LVL	2	13.3	2	ug/L	1				SW-846:6010B	GELC	
C2	1	1	04/15/09	2.63	2.63	2.63	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/15/09		F	CS	METALS	Molybdenum	Mo		2.63	1.00	LANL Int BG LVL	2	1.3	0.1	ug/L	1		J	I4a	SW-846:6020	GELC	
C2	1	1	04/15/09	2.56	2.56	2.56	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/15/09		F	CS	METALS	Nickel	Ni		2.56	1.00	LANL Int BG LVL	1	2.6	0.5	ug/L	1				SW-846:6020	GELC	
C2	1	1	04/15/09	4.08	4.08	4.08	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-26 PZ-2	150	04/15/09		F	CS	METALS	Zinc	Zn		4.08	1.00	LANL Int BG LVL	2	2.0	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	10	11	04/13/05	2.31	2.6	2.4	6	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-26	659.3	04/02/09		F	CS	METALS	Zinc	Zn		2.31	0.96	LANL Int BG LVL	2	1.2	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	9	9	12/04/00	0.084	0.111	0.098	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	1192.4	03/31/09		F	CS	GENINORG	Bromide	Br(-1)		0.111	1.13	LANL Int BG LVL	0.03	3.7	0.066	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
C2	9	9	12/04/00	4.76	11.5	6.52	9	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	1192.4	03/31/09		F	CS	GENINORG	Chloride	Cl(-1)		11.5	1.76	LANL Int BG LVL	7.78	1.5	0.066	mg/L	1				EPA:300.0	GELC	
C2	7	10	12/15/05	2.98	2.98	2.98	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	850	03/31/09	FD	F	CS	METALS	Chromium	Cr		2.98	1.00	LANL Int BG LVL	1	3.0	1.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C2	7	10	12/15/05	0.926	1.1	1.013	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	850	03/31/09		F	CS	METALS	Antimony	Sb		0.926	0.91	LANL Int BG LVL	0.5	1.9	0.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C2	10	10	12/08/00	32.7	32.7	32.7	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Regional	R-25	1406.3	04/02/09		F	CS	METALS	Iron	Fe		32.7	1.00	LANL Reg BG LVL	21	1.6	25	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	10	10	12/12/00	0.51	6.7	1.15	8	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Regional	R-25	1796	04/01/09		F	CS	METALS	Nickel	Ni		5.67	4.93	LANL Reg BG LVL	3.09	1.8	0.5	ug/L	1				SW-846:6020	GELC	
C2	20	20	01/29/02	1.4	9.05	1.65	19	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Regional	CdV-R-37-2	1359.3	03/25/09		F	CS	GENINORG	Sulfate	SO4(-2)		9.05	5.48	LANL Reg BG LVL	7.2	1.3	0.1	mg/L	1				EPA:300.0	GELC	
C2	3	3	05/25/04	0.499	0.606	0.516	3	White Rock Canyon and Rio Grande	Water Supply	Black Mesa Well	-1	10/16/08		UF	CS	GENINORG	Perchlorate	ClO4		0.606	1.17	LANL Reg BG LVL	0.05	12.1	0.05	ug/L	1				SW-846:6850	GELC	
C2	5	5	07/21/03	303	335	321	5	White Rock Canyon and Rio Grande	Water Supply	Black Mesa Well	-1	10/16/08		UF	CS	GENINORG	Specific Conductance	SPEC_CONDC		335	1.04	LANL Reg BG LVL	287.21	1.2	1	uS/cm	1				EPA:120.1	GELC	
C3	2	2	04/03/08	1.3	2	1.7	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25280	2.6	04/02/09		UF	CS	METALS	Beryllium	Be		2	1.18	EPA PRIM DW STD	4	1.0	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	one prior UF result of 1.3 ug/L
C3	5	5	11/14/00	254	2320	544	5	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06293	2	04/09/09		F	CS	METALS	Iron	Fe		544	1.00	NM GW STD	1000	1.1	25	ug/L	1				SW-846:6010B	GELC	
C3	3	3	04/12/04	6.58	6.58	6.58	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06293	2	04/09/09		UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7		6.58	1.00	EPA PRIM DW STD	6	2.2	2.5	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC	
C3	7	7	11/14/00	6.9	183	86	7	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	754.8	03/31/09		F	CS	METALS	Manganese	Mn		140	1.63	NM GW STD	200	1.4	2	ug/L	1				SW-846:6010B	GELC	
C3	5	5	07/21/03	13.8	15.3	15.1	5	White Rock Canyon and Rio Grande	Water Supply	Black Mesa Well	-1	10/16/08		UF	CS	METALS	Uranium	U		15.1	1.00	EPA PRIM DW STD	30	1.0	0.05	ug/L	1				SW-846:6020	GELC	similar to prior results

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	Symbol	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	12	12	06/20/05	0.076	0.228	0.111	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate Spring	Kieling Spring	0	03/06/09		F	CS	GENINORG	Bromide	Br(-1)		0.092	0.83	LANL Int BG LVL	0.03	1.5	0.067	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
C5	13	13	09/09/04	6.91	34.8	19.3	13	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate Spring	Kieling Spring	0	03/06/09		F	CS	GENINORG	Chloride	Cl(-1)		34.8	1.80	LANL Int BG LVL	7.78	2.2	0.13	mg/L	2		J+	I6b	EPA:300.0	GELC	
C5	12	12	06/20/05	0.377	0.804	0.486	12	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate Spring	Kieling Spring	0	03/06/09		F	CS	GENINORG	Perchlorate	ClO4		0.563	1.16	LANL Int BG LVL	0.05	5.6	0.05	ug/L	1		J	PE16a	SW-846:6850	GELC	
C5	13	13	09/09/04	12.1	27.5	15.8	13	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate Spring	Bulldog Spring	0	03/06/09		F	CS	GENINORG	Chloride	Cl(-1)		24.9	1.58	LANL Int BG LVL	7.78	1.6	0.13	mg/L	2		J+	I6b	EPA:300.0	GELC	
C5	12	12	06/22/05	0.606	0.947	0.7	12	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate Spring	Bulldog Spring	0	03/06/09		F	CS	GENINORG	Perchlorate	ClO4		0.884	1.26	LANL Int BG LVL	0.05	8.8	0.05	ug/L	1		J	PE16a	SW-846:6850	GELC	
C5	6	7	01/23/07	0.158	0.416	0.387	7	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	03/30/09	FD	F	CS	GENINORG	Perchlorate	ClO4		0.391	1.01	LANL Avl BG LVL	0.05	3.9	0.05	ug/L	1		J	PE16a	SW-846:6850	GELC	
C5	6	7	01/23/07	0.158	0.416	0.387	7	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	03/30/09		F	CS	GENINORG	Perchlorate	ClO4		0.416	1.07	LANL Avl BG LVL	0.05	4.2	0.05	ug/L	1		J	PE16a	SW-846:6850	GELC	
C5	32	35	03/23/00	2030	5150	3000	34	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	03/30/09		F	CS	METALS	Barium	Ba		3180	1.06	LANL Avl BG LVL	68.57	23.2	1	ug/L	1				SW-846:6010B	GELC	
C5	32	35	03/23/00	2030	5150	3000	34	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	03/30/09	FD	F	CS	METALS	Barium	Ba		3260	1.09	LANL Avl BG LVL	68.57	23.8	1	ug/L	1				SW-846:6010B	GELC	
C5	32	35	03/23/00	2	522	18	25	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	03/30/09		F	CS	METALS	Zinc	Zn		17.7	0.98	LANL Avl BG LVL	2	4.4	2	ug/L	1				SW-846:6010B	GELC	
C5	32	35	03/23/00	2	522	18	25	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	03/30/09	FD	F	CS	METALS	Zinc	Zn		16	0.89	LANL Avl BG LVL	2	4.0	2	ug/L	1				SW-846:6010B	GELC	
C5	32	35	03/23/00	5720	13000	9650	35	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	03/31/09		F	CS	METALS	Barium	Ba		5720	0.59	LANL Avl BG LVL	68.57	41.7	1	ug/L	1				SW-846:6010B	GELC	
C5	32	38	03/28/00	4580	8440	6405	38	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	03/26/09		F	CS	METALS	Barium	Ba		5190	0.81	LANL Avl BG LVL	68.57	37.8	1	ug/L	1				SW-846:6010B	GELC	
C5	3	3	10/22/07	260	618	315	3	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25278	1.6	04/02/09		F	CS	METALS	Barium	Ba		260	0.83	LANL Avl BG LVL	68.57	1.9	1	ug/L	1				SW-846:6010B	GELC	
C5	3	3	10/22/07	36.3	1370	105	3	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25278	1.6	04/02/09		F	CS	METALS	Manganese	Mn		36.3	0.35	LANL Avl BG LVL	2	9.1	2	ug/L	1				SW-846:6010B	GELC	
C5	3	3	10/22/07	2.2	7	2.4	3	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25278	1.6	04/02/09		F	CS	METALS	Nickel	Ni		2.37	0.99	LANL Avl BG LVL	1	1.2	0.5	ug/L	1				SW-846:6020	GELC	
C5	3	3	10/22/07	2.1	9.5	6.6	3	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25278	1.6	04/02/09		F	CS	METALS	Vanadium	V		6.6	1.00	LANL Avl BG LVL	1	3.3	1	ug/L	1				SW-846:6010B	GELC	
C5	22	23	03/23/00	161	347	242	19	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	1.5	04/06/09		F	CS	METALS	Boron	B		173	0.71	LANL Avl BG LVL	51.89	1.7	10	ug/L	1				SW-846:6010B	GELC	
C5	27	29	03/23/00	11.7	3340	169	29	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	1.5	04/06/09		F	CS	METALS	Manganese	Mn		11.7	0.07	LANL Avl BG LVL	2	2.9	2	ug/L	1				SW-846:6010B	GELC	
C5	27	29	03/23/00	2.7	13.9	4.5	21	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	1.5	04/06/09		F	CS	METALS	Vanadium	V		2.77	0.62	LANL Avl BG LVL	1	1.4	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	5	5	05/10/07	13.4	24	18.1	5	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	SWSC Spring	0	03/24/09		F	CS	GENINORG	Chloride	Cl(-1)		24	1.33	LANL Int BG LVL	7.78	1.5	0.13	mg/L	2				EPA:300.0	GELC	
C5	5	5	05/10/07	0.511	0.72	0.574	5	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	SWSC Spring	0	03/24/09		F	CS	GENINORG	Perchlorate	ClO4		0.574	1.00	LANL Int BG LVL	0.05	5.7	0.05	ug/L	1				SW-846:6850	GELC	
C5	27	27	01/10/00	209	371	274	26	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	SWSC Spring	0	03/24/09		F	CS	METALS	Barium	Ba		265	0.97	LANL Int BG LVL	71.83	1.8	1	ug/L	1				SW-846:6010B	GELC	
C5	6	10	01/29/07	13.9	24.7	23.2	10	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	03/24/09		F	CS	GENINORG	Chloride	Cl(-1)		23.8	1.03	LANL Int BG LVL	7.78	1.5	0.13	mg/L	2				EPA:300.0	GELC	
C5	6	10	01/29/07	13.9	24.7	23.2	10	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	03/24/09	FD	F	CS	GENINORG	Chloride	Cl(-1)		23.8	1.03	LANL Int BG LVL	7.78	1.5	0.13	mg/L	2				EPA:300.0	GELC	
C5	6	10	01/29/07	0.518	0.654	0.56	10	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	03/24/09		F	CS	GENINORG	Perchlorate	ClO4		0.612	1.09	LANL Int BG LVL	0.05	6.1	0.05	ug/L	1				SW-846:6850	GELC	
C5	6	10	01/29/07	0.518	0.654	0.56	10	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	03/24/09	FD	F	CS	GENINORG	Perchlorate	ClO4		0.609	1.09	LANL Int BG LVL	0.05	6.1	0.05	ug/L	1				SW-846:6850	GELC	
C5	50	63	01/10/00	146	256	180	57	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	03/24/09		F	CS	METALS	Barium	Ba		173	0.96	LANL Int BG LVL	71.83	1.2	1	ug/L	1				SW-846:6010B	GELC	
C5	50	63	01/10/00	146	256	180	57	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	03/24/09	FD	F	CS	METALS	Barium	Ba		174	0.97	LANL Int BG LVL	71.83	1.2	1	ug/L	1				SW-846:6010B	GELC	
C5	6	7	01/30/07	0.093	0.234	0.107	5	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	03/24/09		F	CS	GENINORG	Bromide	Br(-1)		0.131	1.22	LANL Int BG LVL	0.03	2.2	0.067	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
C5	6	7	01/30/07	19.2	32.4	24.4	7	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	03/24/09		F	CS	GENINORG	Chloride	Cl(-1)		24.4	1.00	LANL Int BG LVL	7.78	1.6	0.13	mg/L	2				EPA:300.0	GELC	
C5	6	7	01/30/07	0.459	0.694	0.546	7	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	03/24/09		F	CS	GENINORG	Perchlorate	ClO4		0.546	1.00	LANL Int BG LVL	0.05	5.5	0.05	ug/L	1				SW-846:6850	GELC	
C5	42	45	01/10/00	570	2840	2000	45	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	03/24/09		F	CS	METALS	Boron	B		1270	0.64	LANL Int BG LVL	15.12	42.0	10	ug/L	1				SW-846:6010B	GELC	
C5	6	6	01/30/07	0.192	0.345	0.221	6	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Water Canyon Gallery	0	03/25/09		F	CS	GENINORG	Perchlorate	ClO4		0.208	0.94	LANL Int BG LVL	0.05	2.1	0.05	ug/L	1				SW-846:6850	GELC	
C5	6	7	02/01/07	0.204	0.246	0.235	7	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-26	659.3	04/02/09		F	CS	GENINORG	Perchlorate	ClO4		0.235	1.00	LANL Int BG LVL	0.05	2.4	0.05	ug/L	1				SW-846:6850	GELC	
C5	7	7	11/14/00	95.5	270	200	7	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	754.8	03/31/09		F	CS	METALS	Boron	B		103	0.52	LANL Int BG LVL	15.12	3.4	10	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	Symbol	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	7	7	11/14/00	1.7	11.5	4.7	6	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	754.8	03/31/09		F	CS	METALS	Cobalt	Co		11.5	2.45	LANL Int BG LVL	0.5	11.5	1	ug/L	1				SW-846:6010B	GELC	
C5	7	7	11/14/00	0.82	8.56	2.2	7	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	754.8	03/31/09		F	CS	METALS	Chromium	Cr		8.56	3.89	LANL Int BG LVL	1	4.3	1.5	ug/L	1				SW-846:6020	GELC	
C5	7	7	11/14/00	6.9	183	86	7	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	754.8	03/31/09		F	CS	METALS	Manganese	Mn		140	1.63	LANL Int BG LVL	2	35.0	2	ug/L	1				SW-846:6010B	GELC	
C5	7	7	11/14/00	9.5	731	380	7	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	754.8	03/31/09		F	CS	METALS	Nickel	Ni		731	1.92	LANL Int BG LVL	1	365.5	5	ug/L	10				SW-846:6020	GELC	many similar results in this port
C5	7	7	11/14/00	4.7	13	6.1	5	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	754.8	03/31/09		F	CS	METALS	Zinc	Zn		11.3	1.85	LANL Int BG LVL	2	2.8	2	ug/L	1				SW-846:6010B	GELC	
C5	9	9	12/04/00	2.9	11.1	6.7	7	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	1192.4	03/31/09		F	CS	METALS	Zinc	Zn		11.1	1.66	LANL Int BG LVL	2	2.8	2	ug/L	1				SW-846:6010B	GELC	
C5	5	7	05/21/07	0.449	0.538	0.507	7	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/08/09		F	CS	GENINORG	Perchlorate	ClO4		0.49	0.97	LANL Int BG LVL	0.05	4.9	0.05	ug/L	1		J	PE16a	SW-846:6850	GELC	
C5	5	7	05/21/07	0.449	0.538	0.507	7	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/08/09	FD	F	CS	GENINORG	Perchlorate	ClO4		0.449	0.89	LANL Int BG LVL	0.05	4.5	0.05	ug/L	1		J	PE16a	SW-846:6850	GELC	
C5	9	12	06/01/05	53.3	65.4	59.8	12	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/08/09	FD	F	CS	METALS	Boron	B		59.4	0.99	LANL Int BG LVL	15.12	2.0	10	ug/L	1				SW-846:6010B	GELC	
C5	9	12	06/01/05	53.3	65.4	59.8	12	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/08/09		F	CS	METALS	Boron	B		62.8	1.05	LANL Int BG LVL	15.12	2.1	10	ug/L	1				SW-846:6010B	GELC	
C5	9	12	06/01/05	3.2	7.4	4.7	12	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/08/09		F	CS	METALS	Nickel	Ni		4.51	0.96	LANL Int BG LVL	1	2.3	0.5	ug/L	1				SW-846:6020	GELC	
C5	9	12	06/01/05	3.2	7.4	4.7	12	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/08/09	FD	F	CS	METALS	Nickel	Ni		4.54	0.97	LANL Int BG LVL	1	2.3	0.5	ug/L	1				SW-846:6020	GELC	
C5	9	12	06/01/05	5	25.5	7.8	10	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/08/09	FD	F	CS	METALS	Zinc	Zn		13	1.67	LANL Int BG LVL	2	3.3	2	ug/L	1				SW-846:6010B	GELC	
C5	9	12	06/01/05	5	25.5	7.8	10	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-1(i)	624	04/08/09		F	CS	METALS	Zinc	Zn		7.7	0.99	LANL Int BG LVL	2	1.9	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	7	10	12/15/05	5.6	17	12.1	7	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	850	03/31/09		F	CS	METALS	Zinc	Zn		16.6	1.37	LANL Int BG LVL	2	4.2	2	ug/L	1		J	I4a	SW-846:6010B	GELC	
C5	7	10	12/15/05	5.6	17	12.1	7	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	850	03/31/09	FD	F	CS	METALS	Zinc	Zn		13	1.07	LANL Int BG LVL	2	3.3	2	ug/L	1		J	I4a	SW-846:6010B	GELC	
C6	13	14	12/04/00	1.9	21.1	11.2	12	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	1192.4	03/31/09		UF	DL	HEXP	RDX	121-82-4		21.1	1.88	EPA TAP SCRN LVL C-5	6.112	6.9	0.33	ug/L	5		J	HE7c	SW-846:8321A_MOD	GELC	highest value measured in this screen
CA	2	2	04/03/08	11.4	18.6	15	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25280	2.6	04/02/09		UF	CS	METALS	Lead	Pb		18.6	1.24	EPA PRIM DW STD	15	1.2	0.5	ug/L	1				SW-846:6020	GELC	F result was 5.1 ug/L, UF sample 1 yr earlier gave 11.4 ug/L
CA	3	3	04/12/04	6.58	6.58	6.58	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06293	2	04/09/09		UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7		6.58	1.00	EPA PRIM DW STD	6	1.1	2.5	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC	