

SUMMARY OF LOS ALAMOS NATIONAL LABORATORY GROUNDWATER DATA LOADED IN SEPTEMBER 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 9-09 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 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 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 MdI—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 9-09 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fid QC Type Code	Fid 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	10	10	04/05/01	0.311	2.4	1.356	2	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAO-1	8	07/16/09		UF	CS	VOA	Chloromethane	74-87-3		0.311	0.23	EPA TAP SCR N LVL N	190	0.0	0.3	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	also detected in 2005
C1	7	7	03/29/01	0.471	0.471	0.471	1	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAO-1.6g	10.47	07/16/09		UF	CS	VOA	Chloromethane	74-87-3		0.471	1.00	EPA TAP SCR N LVL N	190	0.0	0.3	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C1	1	1	07/20/09	0.00000332	0.00000332	0.00000332	1	Upper Los Alamos Canyon (includes DP Canyon)	Intermediate	TA-53i	600	07/20/09		UF	CS	PEST/PCB	Total PCB	1336-36-3		0.00000332	1.00	EPA MCL	0.5	0.0	0.0000536	ug/L	1				EPA:1668A	ALTC	also detected in DI blank for another well
C1	1	1	07/20/09	0.00000332	0.00000332	0.00000332	1	Upper Los Alamos Canyon (includes DP Canyon)	Intermediate	TA-53i	600	07/20/09		UF	CS	PEST/PCB	Total tetraCB	26914-33-0		0.00000332	1.00				0.0000268	ug/L	1				EPA:1668A	ALTC	also detected in DI blank for another well
C1	1	1	07/20/09	0.00000332	0.00000332	0.00000332	1	Upper Los Alamos Canyon (includes DP Canyon)	Intermediate	TA-53i	600	07/20/09		UF	CS	PEST/PCB	PCB-77	32598-13-3		0.00000332	1.00	EPA MCL	0.5	0.0	0.0000268	ug/L	1	J	J	J_LAB	EPA:1668A	ALTC	also detected in DI blank for another well
C1	6	8	05/03/00	0.303	0.303	0.303	1	Upper Los Alamos Canyon (includes DP Canyon)	Regional	Test Well 3	805	07/22/09		UF	CS	VOA	Chloromethane	74-87-3		0.303	1.00	EPA TAP SCR N LVL N	190	0.0	0.3	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C1	9	10	01/11/07	0.325	0.534	0.43	2	Sandia Canyon	Intermediate	SCI-1	358.4	08/03/09	FD	UF	CS	VOA	Chloromethane	74-87-3		0.325	0.76	EPA TAP SCR N LVL N	190	0.0	0.3	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C1	9	10	01/11/07	0.325	0.534	0.43	2	Sandia Canyon	Intermediate	SCI-1	358.4	08/03/09		UF	CS	VOA	Chloromethane	74-87-3		0.534	1.24	EPA TAP SCR N LVL N	190	0.0	0.3	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C1	2	3	02/13/09	0.0000127	0.0000747	0.0000437	2	Sandia Canyon	Intermediate	SCI-2	548	08/04/09		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9		0.0000747	1.71				0.0000747	ug/L	1	B			SW-846:8290	ALTC	
C1	2	3	02/13/09	0.0000127	0.0000747	0.0000437	2	Sandia Canyon	Intermediate	SCI-2	548	08/04/09	FD	UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9		0.0000127	0.29				0.0000127	ug/L	1	JB	J	DF4a	SW-846:8290	ALTC	
C1	2	3	02/13/09	0.0000142	0.0000142	0.0000142	1	Sandia Canyon	Intermediate	SCI-2	548	08/04/09		UF	CS	DIOX/FUR	Hexachlorodibenzodioxins (Total)	34465-46-8		0.0000142	1.00				0.0000142	ug/L	1				SW-846:8290	ALTC	
C1	2	3	02/13/09	0.0000286	0.0000286	0.0000286	1	Sandia Canyon	Intermediate	SCI-2	548	08/04/09		UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9		0.0000286	1.00				0.0000286	ug/L	1	J	J	J_LAB	SW-846:8290	ALTC	
C1	2	3	02/13/09	0.0000554	0.0000554	0.0000554	1	Sandia Canyon	Intermediate	SCI-2	548	08/04/09		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4		0.0000554	1.00				0.0000554	ug/L	1				SW-846:8290	ALTC	
C1	5	9	10/21/08	0.301	0.301	0.301	1	Sandia Canyon	Intermediate	SCI-2	548	08/04/09		UF	CS	VOA	Diethyl Ether	60-29-7		0.301	1.00	EPA TAP SCR N LVL N	7300	0.0	0.3	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C1	2	3	04/27/09	0.00000303	0.00000303	0.00000303	1	Sandia Canyon	Regional	R-35b	825.4	08/04/09		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9		0.00000303	1.00				0.00000303	ug/L	1	J	J	J_LAB	SW-846:8290	ALTC	
C1	5	7	07/10/06	24.9	24.9	24.9	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09		UF	CS	VOA	Isobutyl alcohol	78-83-1		24.9	1.00	EPA TAP SCR N LVL N	11000	0.0	13	ug/L	1	J	J	V7b	SW-846:8260B	GELC	
C1	6	6	07/12/06	0.0104	0.0104	0.0104	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCA-1	2.4	08/06/09		UF	CS	PEST/PCB	BHC[delta-]	319-86-8		0.0104	1.00				0.0063	ug/L	1	JP	J	J_LAB	SW-846:8081A	GELC	
C1	6	6	07/12/06	0.0101	0.0101	0.0101	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCA-1	2.4	08/06/09		UF	CS	PEST/PCB	BHC[gamma-]	58-89-9		0.0101	1.00	EPA MCL	0.2	0.1	0.0063	ug/L	1	JP	J	J_LAB	SW-846:8081A	GELC	
C1	4	7	03/11/09	3.07	3.07	3.07	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-46	1340	08/10/09	FD	UF	CS	SVOA	Di-n-octylphthalate	117-84-0		3.07	1.00				3	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC	not in FD
C1	3	3	02/18/09	0.00000203	0.00000203	0.00000203	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-14	1200.6	08/07/09		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9		0.00000203	1.00				0.00000203	ug/L	1	J	J	J_LAB	SW-846:8290	ALTC	
C1	4	5	08/20/08	0.776	0.776	0.776	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-14	1200.6	08/07/09		UF	CS	VOA	Chloromethane	74-87-3		0.776	1.00	EPA TAP SCR N LVL N	190	0.0	0.3	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	
C1	8	9	06/27/05	0.36	0.36	0.36	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-33	995.5	08/14/09	FD	UF	CS	VOA	Chloromethane	74-87-3		0.36	1.00	EPA TAP SCR N LVL N	190	0.0	0.3	ug/L	1	J	J	V7c	SW-846:8260B	GELC	
C1	3	3	10/09/08	0.00000298	0.00000298	0.00000298	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	08/14/09		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9		0.00000298	1.00				0.00000298	ug/L	1	J	J	J_LAB	SW-846:8290	ALTC	
C1	3	3	02/28/09	0.00000226	0.00000226	0.00000226	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-45	880	08/19/09		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9		0.00000226	1.00				0.00000226	ug/L	1	J	J	J_LAB	SW-846:8290	ALTC	
C1	3	4	02/22/09	0.0000028	0.0000028	0.0000028	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-44	985.3	08/17/09		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9		0.0000028	1.00				0.0000028	ug/L	1	J	J	J_LAB	SW-846:8290	ALTC	first sample with Baski
C1	13	16	07/03/02	3.6	3.6	3.6	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-13	958.3	08/06/09	FD	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7		3.6	1.00	EPA MCL	6	0.6	2.1	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC	not in FD
C2	1	1	05/28/09	0.598	0.598	0.598	1	Guaje Canyon (includes Barrancas and Rendija Canyons)	Water Supply	G-5A	746.6	05/28/09		UF	CS	GENINORG	Total Organic Carbon	TOC		0.598	1.00	LANL Reg BG LVL	0.33	1.8	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC	
C2	9	12	04/04/01	1.590000033	11.1	2.36	8	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	07/20/09		F	CS	METALS	Molybdenum	Mo		4	1.69	LANL Avl BG LVL	2	2.0	0.1	ug/L	1				SW-846:6020	GELC	
C2	13	19	07/26/00	3	12	7	11	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	07/20/09		F	CS	METALS	Arsenic	As		12	1.71	LANL Avl BG LVL	6	2.0	1.5	ug/L	1		J	I4a	SW-846:6020	GELC	previous values of 9 to 11 ug/L since 1993 by different methods
C2	11	17	07/26/00	88.6	187	137	17	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	07/20/09		F	CS	METALS	Strontium	Sr		126	0.92	LANL Avl BG LVL	120	1.1	1	ug/L	1				SW-846:6010B	GELC	
C2	8	10	08/10/06	0.035	0.107	0.047	4	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09	FD	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P		0.107	2.28	LANL Int BG LVL	0.08	1.3	0.015	mg/L	1				EPA:365.4	GELC	

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	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	7	8	08/10/06	2.9	2.9	2.9	1	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09	F	CS	METALS	Chromium	Cr		2.9	1.00	LANL Int BG LVL	1	2.9	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC		
C2	10	15	04/27/05	3.2	6.53	4.2	11	Pueblo Canyon (includes Acid Canyon)	Regional	R-4	792.9	07/16/09	F	CS	METALS	Chromium	Cr		6.53	1.55	LANL Reg BG LVL	5.75	1.1	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC		
C2	9	11	11/14/01	2	2.73	2.5	9	Pueblo Canyon (includes Acid Canyon)	Regional	R-5	718.6	07/22/09	F	CS	METALS	Molybdenum	Mo		2.33	0.93	LANL Reg BG LVL	2	1.2	0.1	ug/L	1				SW-846:6020	GELC		
C2	9	11	11/14/01	2.46	11.4	5.21	4	Pueblo Canyon (includes Acid Canyon)	Regional	R-5	718.6	07/22/09	F	CS	METALS	Zinc	Zn		3.97	0.76	LANL Reg BG LVL	3.89	1.0	3.3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C2	9	9	04/03/01	0.03	0.118	0.084	3	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial Spring	DP Spring	0	07/21/09	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P		0.118	1.40	LANL Avl BG LVL	0.05	2.4	0.015	mg/L	1				EPA:365.4	GELC		
C2	10	10	04/03/01	3.31	3.31	3.31	1	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial Spring	DP Spring	0	07/21/09	F	CS	METALS	Cobalt	Co		3.31	1.00	LANL Avl BG LVL	0.5	6.6	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C2	10	10	04/03/01	1.1	7.6	3.6	5	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial Spring	DP Spring	0	07/21/09	F	CS	METALS	Manganese	Mn		6.71	1.86	LANL Avl BG LVL	2	3.4	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C2	12	16	04/05/01	55.8	89.5	67.1	16	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAO-1	8	07/16/09	F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3		89.5	1.33	LANL Avl BG LVL	76	1.2	0.73	mg/L	1				EPA:310.1	GELC		
C2	12	14	04/05/01	37.4	103	68.9	14	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAO-1	8	07/16/09	F	CS	GENINORG	Chloride	Cl(-1)		84.6	1.23	LANL Avl BG LVL	69.76	1.2	0.66	mg/L	10				EPA:300.0	GELC		
C2	5	5	04/11/07	0.065	0.065	0.065	1	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAO-1	8	07/16/09	F	CS	GENINORG	Ammonia as Nitrogen	NH3-N		0.065	1.00	LANL Avl BG LVL	0.04	1.6	0.016	mg/L	1		J-	I6a	EPA:350.1	GELC		
C2	14	18	06/23/00	21	80.6	43.3	18	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAO-1.6g	10.47	07/16/09	F	CS	GENINORG	Chloride	Cl(-1)		78.2	1.81	LANL Avl BG LVL	69.76	1.1	0.66	mg/L	10				EPA:300.0	GELC		
C2	13	16	06/23/00	4.47	5.83	5	15	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAO-1.6g	10.47	07/16/09	F	CS	GENINORG	Potassium	K		5.83	1.17	LANL Avl BG LVL	5.21	1.1	0.05	mg/L	1				SW-846:6010B	GELC		
C2	6	7	08/01/06	0.068	0.129	0.099	2	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAO-1.6g	10.47	07/16/09	F	CS	GENINORG	Ammonia as Nitrogen	NH3-N		0.068	0.69	LANL Avl BG LVL	0.04	1.7	0.016	mg/L	1		J-	I6a	EPA:350.1	GELC		
C2	13	16	06/23/00	47	69.9	54.8	16	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAO-1.6g	10.47	07/16/09	F	CS	METALS	Barium	Ba		69.9	1.28	LANL Avl BG LVL	68.57	1.0	1	ug/L	1				SW-846:6010B	GELC		
C2	6	6	05/04/05	106	148	124	6	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAO-1.6g	10.47	07/16/09	F	CS	METALS	Strontium	Sr		147	1.19	LANL Avl BG LVL	120	1.2	1	ug/L	1				SW-846:6010B	GELC		
C2	6	6	08/02/06	0.049	0.049	0.049	1	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAUZ-1	5.35	07/17/09	F	CS	GENINORG	Ammonia as Nitrogen	NH3-N		0.049	1.00	LANL Avl BG LVL	0.04	1.2	0.016	mg/L	1	J	J-	I6a	EPA:350.1	GELC		
C2	10	12	02/25/04	2.34	8.75	3.6	10	Upper Los Alamos Canyon (includes DP Canyon)	Regional	R-8	711.1	07/20/09	F	CS	METALS	Chromium	Cr		8.75	2.43	LANL Reg BG LVL	5.75	1.5	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC		
C2	10	14	11/15/05	0.562	0.562	0.562	1	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Regional	R-24	825	07/16/09	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P		0.562	1.00	LANL Reg BG LVL	0.16	3.5	0.015	mg/L	1				EPA:365.4	GELC		
C2	17	24	05/17/05	0.244	0.58	0.425	24	Sandia Canyon	Regional	R-11	855	08/10/09	F	CS	GENINORG	Fluoride	F(-1)		0.58	1.36	LANL Reg BG LVL	0.57	1.0	0.033	mg/L	1				EPA:300.0	GELC		
C2	9	10	08/30/07	0.042	0.465	0.054	4	Sandia Canyon	Regional	R-35a	1013.1	08/03/09	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P		0.465	8.61	LANL Reg BG LVL	0.16	2.9	0.015	mg/L	1		J	I4a	EPA:365.4	GELC		
C2	6	7	07/17/00	5.65	8.17	6.94	7	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-3	2	08/12/09	F	CS	GENINORG	Potassium	K		8.06	1.16	LANL Avl BG LVL	5.21	1.6	0.05	mg/L	1				SW-846:6010B	GELC		
C2	6	7	07/17/00	59.9	92.09600067	68.9	7	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-3	2	08/12/09	F	CS	GENINORG	Sodium	Na		62.9	0.91	LANL Avl BG LVL	15.54	4.1	0.5	mg/L	5				SW-846:6010B	GELC		
C2	6	7	07/17/00	56.4	90.00000358	58.1	7	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-3	2	08/12/09	F	CS	METALS	Boron	B		57	0.98	LANL Avl BG LVL	51.89	1.1	15	ug/L	1				SW-846:6010B	GELC		
C2	6	7	07/17/00	7.63	33	9.39	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-3	2	08/12/09	F	CS	METALS	Copper	Cu		10.5	1.12	LANL Avl BG LVL	3	3.5	3	ug/L	1				SW-846:6010B	GELC		
C2	6	7	07/17/00	0.921	3.12	1.07	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-3	2	08/12/09	F	CS	METALS	Manganese	Mn		3.12	2.92	LANL Avl BG LVL	2	1.6	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C2	6	7	07/17/00	22.9	77	51	7	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-3	2	08/12/09	F	CS	METALS	Molybdenum	Mo		31.2	0.61	LANL Avl BG LVL	2	15.6	0.1	ug/L	1				SW-846:6020	GELC		
C2	6	7	07/17/00	1.26	7.04	3.95	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-3	2	08/12/09	F	CS	METALS	Nickel	Ni		5.76	1.46	LANL Avl BG LVL	1	5.8	0.5	ug/L	1				SW-846:6020	GELC		
C2	6	8	07/17/00	0.59	0.864	0.66	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-3	2	08/12/09	F	CS	METALS	Antimony	Sb		0.864	1.31	LANL Avl BG LVL	0.5	1.7	0.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC		
C2	6	7	07/17/00	0.659	1.64	1.385	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-3	2	08/12/09	F	CS	METALS	Vanadium	V		1.64	1.18	LANL Avl BG LVL	1	1.6	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C2	16	18	08/07/01	19	26.4	22.2	18	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/13/09	F	CS	GENINORG	Calcium	Ca		26.4	1.19	LANL Avl BG LVL	26.36	1.0	0.05	mg/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	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Any1 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	Any1 Meth Code	Lab Code	Comment
C2	13	17	05/01/01	0.148	0.34	0.218	17	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-6	34	08/14/09	F	CS	GENINORG	Fluoride	F(-1)		0.34	1.56	LANL Avl BG LVL	0.27	1.3	0.033	mg/L	1				EPA:300.0	GELC		
C2	3	4	02/22/09	0.491	0.98	0.733	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-44	985.3	08/17/09	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N		0.98	1.34	LANL Reg BG LVL	0.89	1.1	0.05	mg/L	5				EPA:353.2	GELC	first sample with Baski	
C2	3	6	02/22/09	4.8	11.2	5.6	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-44	985.3	08/17/09	F	CS	METALS	Chromium	Cr		10.9	1.95	LANL Reg BG LVL	5.75	1.9	2.5	ug/L	1				SW-846:6020	GELC	first sample with Baski- twice prior values	
C2	3	6	02/22/09	4.8	11.2	5.6	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-44	985.3	08/17/09	F	CS	METALS	Chromium	Cr		11.2	2.00	LANL Reg BG LVL	5.75	2.0	2.5	ug/L	1				SW-846:6020	GELC	first sample with Baski- twice prior values	
C2	3	4	02/22/09	88.8	88.8	88.8	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-44	985.3	08/17/09	F	CS	METALS	Iron	Fe		88.8	1.00	LANL Reg BG LVL	21	4.2	30	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	first sample with Baski	
C2	14	20	06/06/05	115	268	129	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-21	888.8	08/18/09	F	CS	GENINORG	Total Dissolved Solids	TDS		268	2.08	LANL Reg BG LVL	191.68	1.4	2.4	mg/L	1		J	I4a	EPA:160.1	GELC		
C2	18	22	03/31/04	7.57	7.57	7.57	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-21	888.8	08/18/09	F	CS	METALS	Copper	Cu		7.57	1.00	LANL Reg BG LVL	3	2.5	3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C2	16	26	12/19/05	3.92	4.3	4.11	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-16r	600	08/11/09	F	CS	METALS	Cobalt	Co		3.92	0.95	LANL Reg BG LVL	0.5	7.8	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C2	16	26	12/19/05	2.8	7.5	6.8	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-16r	600	08/11/09	F	CS	METALS	Manganese	Mn		6.77	1.00	LANL Reg BG LVL	2.94	2.3	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C2	16	26	12/19/05	1	1	1	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-16r	600	08/11/09	F	CS	METALS	Antimony	Sb		1	1.00	LANL Reg BG LVL	1	1.0	0.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC		
C2	1	1	05/27/09	0.664	0.664	0.664	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Water Supply	PM-4	1260	05/27/09	UF	CS	GENINORG	Total Organic Carbon	TOC		0.664	1.00	LANL Reg BG LVL	0.33	2.0	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC		
C2	1	2	05/19/09	0.455	0.581	0.518	2	White Rock Canyon and Rio Grande	Water Supply	Buckman 6	291	05/19/09	FD	UF	CS	GENINORG	Total Organic Carbon	TOC		0.581	1.12	LANL Reg BG LVL	0.33	1.8	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC	
C2	1	2	05/19/09	0.455	0.581	0.518	2	White Rock Canyon and Rio Grande	Water Supply	Buckman 6	291	05/19/09	UF	CS	GENINORG	Total Organic Carbon	TOC		0.455	0.88	LANL Reg BG LVL	0.33	1.4	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC		
C3	8	10	09/27/00	5.15	10	6.75	8	Guaje Canyon (includes Barrancas and Rendija Canyons)	Water Supply	G-1A	272	05/28/09	UF	CS	METALS	Arsenic	As		5.15	0.76	EPA MCL	10	1.0	1.5	ug/L	1				SW-846:6020	GELC	note result is below median of many values since 2000	
C3	13	19	07/26/00	3	12	7	11	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	07/20/09	F	CS	METALS	Arsenic	As		12	1.71	EPA MCL	10	2.4	1.5	ug/L	1		J	I4a	SW-846:6020	GELC	previous values of 9 to 11 ug/L since 1993 by different methods	
C3	8	10	08/10/06	2.15	7.65	4.36	10	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09	FD	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N		7.65	1.75	EPA MCL	10	1.5	0.25	mg/L	25	J-	I6a	EPA:353.2	GELC	poor matrix spike recovery, most values for 4 yrs of 4.3 mg/L	
C3	8	10	08/10/06	2.15	7.65	4.36	10	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N		5.65	1.30	EPA MCL	10	1.1	0.5	mg/L	50	J-	I6a	EPA:353.2	GELC	poor matrix spike recovery, most values for 4 yrs of 4.3 mg/L		
C3	10	12	11/14/01	0.123999998	0.812	0.657	12	Pueblo Canyon (includes Acid Canyon)	Regional	R-5	718.6	07/22/09	F	CS	GENINORG	Fluoride	F(-1)		0.812	1.24	NM GW STD	1.6	1.0	0.033	mg/L	1				EPA:300.0	GELC		
C3	9	10	08/30/07	2.1	5.83	2.2	3	Sandia Canyon	Regional	R-35a	1013.1	08/03/09	F	CS	METALS	Arsenic	As		5.83	2.65	EPA MCL	10	1.2	1.5	ug/L	1				SW-846:6020	GELC	over twice prior detects	
C3	9	10	08/30/07	1.7	5.83	2.15	4	Sandia Canyon	Regional	R-35a	1013.1	08/03/09	UF	CS	METALS	Arsenic	As		5.83	2.71	EPA MCL	10	1.2	1.5	ug/L	1				SW-846:6020	GELC	over twice prior detects	
C3	4	5	03/11/09	2.41	5.29	3.85	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-46	1340	08/10/09	F	CS	METALS	Antimony	Sb		5.29	1.37	EPA MCL	6	1.8	0.5	ug/L	1				SW-846:6020	GELC	largest filtered 2009 groundwater detect, also highest UF values	
C3	13	16	07/03/02	3.6	3.6	3.6	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-13	958.3	08/06/09	FD	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7		3.6	1.00	EPA MCL	6	1.2	2.1	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC	not in FD
C5	13	18	06/19/00	11.5	18.7	15.5	18	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	07/20/09	F	CS	GENINORG	Potassium	K		13.7	0.88	LANL Avl BG LVL	5.21	1.3	0.05	mg/L	1				SW-846:6010B	GELC		
C5	7	9	08/10/06	0.088	30.3	3.25	9	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	07/20/09	F	CS	GENINORG	Ammonia as Nitrogen	NH3-N		1.02	0.31	LANL Avl BG LVL	0.04	12.8	0.016	mg/L	1		J-	I6a	EPA:350.1	GELC		
C5	13	18	06/19/00	53	79.1	63.7	18	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	07/20/09	F	CS	GENINORG	Sodium	Na		73.2	1.15	LANL Avl BG LVL	15.54	2.4	0.1	mg/L	1	*			SW-846:6010B	GELC		
C5	10	13	10/31/01	1.33	9.73	3.17	13	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	07/20/09	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P		4.48	1.41	LANL Avl BG LVL	0.05	44.8	0.075	mg/L	5				EPA:365.4	GELC		
C5	9	12	06/19/00	296	436	362	12	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	07/20/09	F	CS	GENINORG	Total Dissolved Solids	TDS		377	1.04	LANL Avl BG LVL	139	1.4	2.4	mg/L	1				EPA:160.1	GELC		

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Any1 Suite Code	Analyte Desc	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	Any1 Meth Code	Lab Code	Comment
C5	7	8	06/19/00	264	383	324	8	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	07/20/09		F	CS	METALS	Boron	B		325	1.00	LANL Avl BG LVL	51.89	3.1	15	ug/L	1				SW-846:6010B	GELC	
C5	13	18	06/19/00	1	3.8	1.9	18	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	07/20/09		F	CS	METALS	Cobalt	Co		2.38	1.25	LANL Avl BG LVL	0.5	2.4	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	13	18	06/19/00	397	2240	1500	18	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	07/20/09		F	CS	METALS	Manganese	Mn		1520	1.01	LANL Avl BG LVL	2	380.0	2	ug/L	1				SW-846:6010B	GELC	
C5	13	18	06/19/00	0.88	9.3	3.7	13	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	07/20/09		F	CS	METALS	Nickel	Ni		7.51	2.03	LANL Avl BG LVL	1	3.8	0.5	ug/L	1				SW-846:6020	GELC	
C5	13	18	06/19/00	0.98	11.3	3.5	16	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	07/20/09		F	CS	METALS	Vanadium	V		3.76	1.07	LANL Avl BG LVL	1	1.9	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	13	19	07/26/00	51.4	82.2	72.5	19	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	07/20/09		F	CS	GENINORG	Sodium	Na		72.6	1.00	LANL Avl BG LVL	15.54	2.3	0.1	mg/L	1	*			SW-846:6010B	GELC	
C5	13	19	07/26/00	1.28	6.93	2.84	19	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	07/20/09		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P		2.36	0.83	LANL Avl BG LVL	0.05	23.6	0.015	mg/L	1				EPA:365.4	GELC	
C5	12	21	07/26/00	286	419	383	21	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	07/20/09		F	CS	GENINORG	Total Dissolved Solids	TDS		336	0.88	LANL Avl BG LVL	139	1.2	2.4	mg/L	1				EPA:160.1	GELC	
C5	12	18	07/26/00	259	419	326	18	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	07/20/09		F	CS	METALS	Boron	B		319	0.98	LANL Avl BG LVL	51.89	3.1	15	ug/L	1				SW-846:6010B	GELC	
C5	13	19	07/26/00	1.1	7.3	4.8	14	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	07/20/09		F	CS	METALS	Cobalt	Co		5.71	1.19	LANL Avl BG LVL	0.5	5.7	1	ug/L	1				SW-846:6010B	GELC	
C5	13	19	07/26/00	491	5660	1510	19	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	07/20/09		F	CS	METALS	Manganese	Mn		957	0.63	LANL Avl BG LVL	2	239.3	2	ug/L	1				SW-846:6010B	GELC	
C5	13	19	07/26/00	3.1	11.4	5.7	16	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	07/20/09		F	CS	METALS	Nickel	Ni		11.4	2.00	LANL Avl BG LVL	1	5.7	0.5	ug/L	1				SW-846:6020	GELC	
C5	13	19	07/26/00	2	10.3	5.2	18	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	07/20/09		F	CS	METALS	Vanadium	V		6.06	1.17	LANL Avl BG LVL	1	3.0	1	ug/L	1				SW-846:6010B	GELC	
C5	13	19	07/26/00	6.3	23.00000004	9.72	15	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	07/20/09		F	CS	METALS	Zinc	Zn		11.2	1.15	LANL Avl BG LVL	2	2.8	3.3	ug/L	1				SW-846:6010B	GELC	
C5	7	7	08/08/06	151	296	175	7	Pueblo Canyon (includes Acid Canyon)	Intermediate	POI-4	159	07/15/09		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3		168	0.96	LANL Int BG LVL	52	1.6	0.73	mg/L	1				EPA:310.1	GELC	
C5	6	6	08/08/06	47.1	53	49	6	Pueblo Canyon (includes Acid Canyon)	Intermediate	POI-4	159	07/15/09		F	CS	GENINORG	Calcium	Ca		49.7	1.01	LANL Int BG LVL	17.31	1.4	0.05	mg/L	1				SW-846:6010B	GELC	
C5	7	7	08/08/06	42.5	47.4	45.1	7	Pueblo Canyon (includes Acid Canyon)	Intermediate	POI-4	159	07/15/09		F	CS	GENINORG	Chloride	Cl(-1)		47.4	1.05	LANL Int BG LVL	7.78	3.1	0.33	mg/L	5				EPA:300.0	GELC	
C5	7	7	08/08/06	0.234	0.372	0.282	7	Pueblo Canyon (includes Acid Canyon)	Intermediate	POI-4	159	07/15/09		F	CS	GENINORG	Perchlorate	ClO4		0.322	1.14	LANL Int BG LVL	0.05	3.2	0.05	ug/L	1				SW-846:6850	GELC	
C5	6	6	08/08/06	12.1	13.2	12.5	6	Pueblo Canyon (includes Acid Canyon)	Intermediate	POI-4	159	07/15/09		F	CS	GENINORG	Magnesium	Mg		12.8	1.02	LANL Int BG LVL	6.12	1.1	0.085	mg/L	1				SW-846:6010B	GELC	
C5	8	8	05/07/05	4.8	7.65	5.23	8	Pueblo Canyon (includes Acid Canyon)	Intermediate	POI-4	159	07/15/09		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N		5.26	1.01	LANL Int BG LVL	2.41	1.1	0.1	mg/L	10				EPA:353.2	GELC	
C5	6	6	08/08/06	42.6	53	47.3	6	Pueblo Canyon (includes Acid Canyon)	Intermediate	POI-4	159	07/15/09		F	CS	GENINORG	Sodium	Na		46.2	0.98	LANL Int BG LVL	12.19	1.9	0.1	mg/L	1				SW-846:6010B	GELC	
C5	13	17	07/19/00	329	393	358	17	Pueblo Canyon (includes Acid Canyon)	Intermediate	POI-4	159	07/15/09		F	CS	GENINORG	Total Dissolved Solids	TDS		369	1.03	LANL Int BG LVL	127	1.5	2.4	mg/L	1				EPA:160.1	GELC	
C5	6	6	08/08/06	223	246	233	6	Pueblo Canyon (includes Acid Canyon)	Intermediate	POI-4	159	07/15/09		F	CS	METALS	Boron	B		237	1.02	LANL Int BG LVL	15.12	7.8	15	ug/L	1				SW-846:6010B	GELC	
C5	6	6	08/08/06	1.1	2.1	1.7	5	Pueblo Canyon (includes Acid Canyon)	Intermediate	POI-4	159	07/15/09		F	CS	METALS	Cobalt	Co		2.1	1.24	LANL Int BG LVL	0.5	2.1	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	6	6	08/08/06	9.9	11.4	10.2	6	Pueblo Canyon (includes Acid Canyon)	Intermediate	POI-4	159	07/15/09		F	CS	METALS	Nickel	Ni		11.4	1.12	LANL Int BG LVL	1	5.7	0.5	ug/L	1				SW-846:6020	GELC	
C5	6	6	08/08/06	2.74	3.6	3.05	6	Pueblo Canyon (includes Acid Canyon)	Intermediate	POI-4	159	07/15/09		F	CS	METALS	Uranium	U		2.74	0.90	LANL Int BG LVL	0.72	1.9	0.05	ug/L	1				SW-846:6020	GELC	
C5	9	11	02/23/04	0.088	0.152	0.124	6	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-5	383.9	07/22/09		F	CS	GENINORG	Bromide	Br(-1)		0.125	1.01	LANL Int BG LVL	0.03	2.1	0.066	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
C5	6	6	07/25/06	1.24	1.65	1.36	6	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-5	383.9	07/22/09		F	CS	GENINORG	Perchlorate	ClO4		1.45	1.07	LANL Int BG LVL	0.05	14.5	0.1	ug/L	2				SW-846:6850	GELC	
C5	9	11	02/23/04	1.02	1.13	1.06	11	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-5	383.9	07/22/09		F	CS	GENINORG	Fluoride	F(-1)		1.1	1.04	LANL Int BG LVL	0.23	2.4	0.033	mg/L	1				EPA:300.0	GELC	
C5	8	10	02/23/04	187	204	197	10	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-5	383.9	07/22/09		F	CS	METALS	Barium	Ba		199	1.01	LANL Int BG LVL	71.83	1.4	1	ug/L	1				SW-846:6010B	GELC	
C5	8	10	02/23/04	3.7	6.44	4.42	9	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-5	383.9	07/22/09		F	CS	METALS	Chromium	Cr		6.44	1.46	LANL Int BG LVL	1	3.2	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C5	8	10	02/23/04	2.6	2.9	2.8	10	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-5	383.9	07/22/09		F	CS	METALS	Uranium	U		2.63	0.94	LANL Int BG LVL	0.72	1.8	0.05	ug/L	1		J	14a	SW-846:6020	GELC	
C5	8	10	08/10/06	150	162	157	10	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09	FD	F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3		157	1.00	LANL Int BG LVL	52	1.5	0.73	mg/L	1				EPA:310.1	GELC	
C5	8	10	08/10/06	150	162	157	10	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3		156	0.99	LANL Int BG LVL	52	1.5	0.73	mg/L	1				EPA:310.1	GELC	
C5	7	8	08/10/06	54.8	59.1	57.4	8	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09	FD	F	CS	GENINORG	Calcium	Ca		57.8	1.01	LANL Int BG LVL	17.31	1.7	0.05	mg/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	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Any1 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	Any1 Meth Code	Lab Code	Comment
C5	7	8	08/10/06	54.8	59.1	57.4	8	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09		F	CS	GENINORG	Calcium	Ca		55.4	0.97	LANL Int BG LVL	17.31	1.6	0.05	mg/L	1				SW-846:6010B	GELC	
C5	8	10	08/10/06	34.4	39.3	36.4	10	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09		F	CS	GENINORG	Chloride	Cl(-1)		37.6	1.03	LANL Int BG LVL	7.78	2.4	0.33	mg/L	5				EPA:300.0	GELC	
C5	8	10	08/10/06	34.4	39.3	36.4	10	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09	FD	F	CS	GENINORG	Chloride	Cl(-1)		37.7	1.04	LANL Int BG LVL	7.78	2.4	0.33	mg/L	5				EPA:300.0	GELC	
C5	8	10	08/10/06	0.104	3.45	2.645	10	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09	FD	F	CS	GENINORG	Perchlorate	ClO4		3.45	1.30	LANL Int BG LVL	0.05	34.5	0.25	ug/L	5				SW-846:6850	GELC	
C5	8	10	08/10/06	0.104	3.45	2.645	10	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09		F	CS	GENINORG	Perchlorate	ClO4		3.23	1.22	LANL Int BG LVL	0.05	32.3	0.25	ug/L	5				SW-846:6850	GELC	
C5	7	8	08/10/06	15.1	16.1	15.5	8	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09		F	CS	GENINORG	Magnesium	Mg		15.5	1.00	LANL Int BG LVL	6.12	1.3	0.085	mg/L	1				SW-846:6010B	GELC	
C5	7	8	08/10/06	15.1	16.1	15.5	8	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09	FD	F	CS	GENINORG	Magnesium	Mg		15.8	1.02	LANL Int BG LVL	6.12	1.3	0.085	mg/L	1				SW-846:6010B	GELC	
C5	8	10	08/10/06	251	437	321	10	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09	FD	F	CS	GENINORG	Total Dissolved Solids	TDS		332	1.03	LANL Int BG LVL	127	1.3	2.4	mg/L	1				EPA:160.1	GELC	
C5	8	10	08/10/06	251	437	321	10	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09		F	CS	GENINORG	Total Dissolved Solids	TDS		326	1.02	LANL Int BG LVL	127	1.3	2.4	mg/L	1				EPA:160.1	GELC	
C5	7	8	08/10/06	84.6	119	96.5	8	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09		F	CS	METALS	Boron	B		94.2	0.98	LANL Int BG LVL	15.12	3.1	15	ug/L	1				SW-846:6010B	GELC	
C5	7	8	08/10/06	84.6	119	96.5	8	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09	FD	F	CS	METALS	Boron	B		97.7	1.01	LANL Int BG LVL	15.12	3.2	15	ug/L	1				SW-846:6010B	GELC	
C5	7	8	08/10/06	8	9.7	8.8	8	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09	FD	F	CS	METALS	Nickel	Ni		8.41	0.96	LANL Int BG LVL	1	4.2	0.5	ug/L	1				SW-846:6020	GELC	
C5	7	8	08/10/06	8	9.7	8.8	8	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09		F	CS	METALS	Nickel	Ni		8.56	0.97	LANL Int BG LVL	1	4.3	0.5	ug/L	1				SW-846:6020	GELC	
C5	7	8	08/10/06	7.8	10.2	9.4	8	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09		F	CS	METALS	Uranium	U		9.65	1.03	LANL Int BG LVL	0.72	6.7	0.05	ug/L	1				SW-846:6020	GELC	
C5	7	8	08/10/06	7.8	10.2	9.4	8	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09	FD	F	CS	METALS	Uranium	U		9.46	1.01	LANL Int BG LVL	0.72	6.6	0.05	ug/L	1				SW-846:6020	GELC	
C5	7	8	08/10/06	23.6	85.1	46.5	4	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09	FD	F	CS	METALS	Zinc	Zn		23.6	0.51	LANL Int BG LVL	2	5.9	3.3	ug/L	1				SW-846:6010B	GELC	
C5	7	8	08/10/06	23.6	85.1	46.5	4	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09		F	CS	METALS	Zinc	Zn		49.7	1.07	LANL Int BG LVL	2	12.4	3.3	ug/L	1				SW-846:6010B	GELC	
C5	7	12	07/25/06	2.54	5.17	4.5	12	Pueblo Canyon (includes Acid Canyon)	Regional	R-4	792.9	07/16/09		F	CS	GENINORG	Perchlorate	ClO4		4.57	1.02	LANL Reg BG LVL	0.46	5.0	0.5	ug/L	10				SW-846:6850	GELC	
C5	7	12	07/25/06	2.54	5.17	4.5	12	Pueblo Canyon (includes Acid Canyon)	Regional	R-4	792.9	07/16/09	FD	F	CS	GENINORG	Perchlorate	ClO4		4.45	0.99	LANL Reg BG LVL	0.46	4.8	0.5	ug/L	10				SW-846:6850	GELC	
C5	10	12	11/14/01	7.38	8.97999542	7.9	12	Pueblo Canyon (includes Acid Canyon)	Regional	R-5	718.6	07/22/09		F	CS	GENINORG	Chloride	Cl(-1)		7.73	0.98	LANL Reg BG LVL	3.57	1.1	0.066	mg/L	1				EPA:300.0	GELC	
C5	6	6	07/26/06	1.19	1.36	1.2	6	Pueblo Canyon (includes Acid Canyon)	Regional	R-5	718.6	07/22/09		F	CS	GENINORG	Perchlorate	ClO4		1.2	1.00	LANL Reg BG LVL	0.46	1.3	0.1	ug/L	2				SW-846:6850	GELC	
C5	11	12	11/14/01	1.79	2.44	2.1	12	Pueblo Canyon (includes Acid Canyon)	Regional	R-5	718.6	07/22/09		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N		2.2	1.05	LANL Reg BG LVL	0.89	1.2	0.05	mg/L	5				EPA:353.2	GELC	
C5	10	12	11/14/01	15.5	17.2	16.3	12	Pueblo Canyon (includes Acid Canyon)	Regional	R-5	718.6	07/22/09		F	CS	GENINORG	Sulfate	SO4(-2)		16.2	0.99	LANL Reg BG LVL	7.2	1.1	0.1	mg/L	1				EPA:300.0	GELC	
C5	7	10	11/14/01	117	545	176	10	Pueblo Canyon (includes Acid Canyon)	Regional	R-5	860.9	07/23/09		F	CS	METALS	Barium	Ba		118	0.67	LANL Reg BG LVL	56.83	1.0	1	ug/L	1				SW-846:6010B	GELC	
C5	7	10	11/14/01	11.4	2570	412	10	Pueblo Canyon (includes Acid Canyon)	Regional	R-5	860.9	07/23/09		F	CS	METALS	Manganese	Mn		22.7	0.06	LANL Reg BG LVL	2.94	3.9	2	ug/L	1				SW-846:6010B	GELC	
C5	27	31	10/24/01	1.22	2.97	2	31	Pueblo Canyon (includes Acid Canyon)	Water Supply	O-1	1017	05/27/09		UF	CS	GENINORG	Perchlorate	ClO4		1.51	0.76	LANL Reg BG LVL	0.05	15.1	0.2	ug/L	4				SW-846:6850	GELC	
C5	7	7	05/06/05	0.139	0.507	0.228	7	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial Spring	DP Spring	0	07/21/09		F	CS	GENINORG	Perchlorate	ClO4		0.139	0.61	LANL Avl BG LVL	0.05	1.4	0.05	ug/L	1	J	J	J_LAB	SW-846:6850	GELC	
C5	10	12	04/03/01	0.507	1.03	0.797	12	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial Spring	DP Spring	0	07/21/09		F	CS	GENINORG	Fluoride	F(-1)		0.756	0.95	LANL Avl BG LVL	0.27	1.4	0.033	mg/L	1		J-	I6a	EPA:300.0	GELC	
C5	10	10	04/03/01	40	144	65	10	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial Spring	DP Spring	0	07/21/09		F	CS	GENINORG	Sodium	Na		72.3	1.11	LANL Avl BG LVL	15.54	2.3	0.1	mg/L	1				SW-846:6010B	GELC	
C5	10	10	04/03/01	2.09	6.3	2.95	8	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial Spring	DP Spring	0	07/21/09		F	CS	METALS	Vanadium	V		3.12	1.06	LANL Avl BG LVL	1	1.6	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	10	12	04/05/01	31	60.1	45	12	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAO-1	8	07/16/09		F	CS	GENINORG	Sodium	Na		50.9	1.13	LANL Avl BG LVL	15.54	1.6	0.1	mg/L	1				SW-846:6010B	GELC	
C5	10	12	04/05/01	5	16.7	6.8	12	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAO-1	8	07/16/09		F	CS	METALS	Chromium	Cr		5.22	0.77	LANL Avl BG LVL	1	2.6	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C5	10	12	04/05/01	7.73	21.7	13.05	12	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAO-1	8	07/16/09		F	CS	METALS	Molybdenum	Mo		7.73	0.59	LANL Avl BG LVL	2	1.9	0.1	ug/L	1				SW-846:6020	GELC	
C5	7	8	05/04/05	0.133	0.371	0.225	8	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAO-1.6g	10.47	07/16/09		F	CS	GENINORG	Perchlorate	ClO4		0.139	0.62	LANL Avl BG LVL	0.05	1.4	0.05	ug/L	1	J	J	J_LAB	SW-846:6850	GELC	
C5	13	16	06/23/00	23	46.3	27.1	16	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAO-1.6g	10.47	07/16/09		F	CS	GENINORG	Sodium	Na		44.7	1.65	LANL Avl BG LVL	15.54	1.4	0.1	mg/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	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Any1 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	Any1 Meth Code	Lab Code	Comment
C5	9	10	03/29/01	27.3	140	88.1	10	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAO-1.6g	10.47	07/16/09	F	CS	METALS	Molybdenum	Mo		49.4	0.56	LANL Avl BG LVL	2	12.4	0.1	ug/L	1				SW-846:6020	GELC		
C5	9	9	04/02/01	59	199	118	9	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAUZ-1	5.35	07/17/09	F	CS	GENINORG	Sodium	Na		149	1.26	LANL Avl BG LVL	15.54	4.8	0.1	mg/L	1				SW-846:6010B	GELC		
C5	7	8	05/03/05	395	1160	518	8	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAUZ-1	5.35	07/17/09	F	CS	GENINORG	Total Dissolved Solids	TDS		535	1.03	LANL Avl BG LVL	139	1.9	2.4	mg/L	1				EPA:160.1	GELC		
C5	9	9	04/02/01	2.269999981	1900	320	7	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAUZ-1	5.35	07/17/09	F	CS	METALS	Manganese	Mn		1750	5.47	LANL Avl BG LVL	2	437.5	2	ug/L	1				SW-846:6010B	GELC		
C5	9	9	04/02/01	2.5	6.3	5.9	5	Upper Los Alamos Canyon (includes DP Canyon)	Alluvial	LAUZ-1	5.35	07/17/09	F	CS	METALS	Nickel	Ni		6.24	1.06	LANL Avl BG LVL	1	3.1	0.5	ug/L	1				SW-846:6020	GELC		
C5	25	27	10/24/01	0.354	0.55	0.381	26	Upper Los Alamos Canyon (includes DP Canyon)	Water Supply	O-4	1115	05/27/09	UF	CS	GENINORG	Perchlorate	ClO4		0.388	1.02	LANL Reg BG LVL	0.05	3.9	0.05	ug/L	1				SW-846:6850	GELC		
C5	10	13	11/15/05	6.96	7.59	7.31	13	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Regional	R-24	825	07/16/09	F	CS	GENINORG	Chloride	Cl(-)		7.51	1.03	LANL Reg BG LVL	3.57	1.1	0.066	mg/L	1				EPA:300.0	GELC		
C5	9	12	11/15/05	10.1	33.1	18.1	11	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Regional	R-24	825	07/16/09	F	CS	METALS	Zinc	Zn		14.7	0.81	LANL Reg BG LVL	3.89	1.9	3.3	ug/L	1				SW-846:6010B	GELC		
C5	3	3	02/20/09	0.551	0.611	0.58	3	Sandia Canyon	Alluvial	SCA-1-DP	2.16	08/03/09	F	CS	GENINORG	Bromide	Br(-)		0.551	0.95	LANL Avl BG LVL	0.07	3.9	0.066	mg/L	1				EPA:300.0	GELC		
C5	3	3	02/20/09	14.5	15.8	15.3	3	Sandia Canyon	Alluvial	SCA-1-DP	2.16	08/03/09	F	CS	GENINORG	Potassium	K		15.3	1.00	LANL Avl BG LVL	5.21	1.5	0.05	mg/L	1				SW-846:6010B	GELC		
C5	3	3	02/20/09	76.2	108	98.1	3	Sandia Canyon	Alluvial	SCA-1-DP	2.16	08/03/09	F	CS	GENINORG	Sodium	Na		76.2	0.78	LANL Avl BG LVL	15.54	2.5	0.1	mg/L	1				SW-846:6010B	GELC		
C5	3	3	02/20/09	0.674	3.65	3	3	Sandia Canyon	Alluvial	SCA-1-DP	2.16	08/03/09	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P		3.65	1.22	LANL Avl BG LVL	0.05	36.5	0.15	mg/L	10		J	I4a	EPA:365.4	GELC		
C5	3	3	02/20/09	426	494	490	3	Sandia Canyon	Alluvial	SCA-1-DP	2.16	08/03/09	F	CS	GENINORG	Total Dissolved Solids	TDS		426	0.87	LANL Avl BG LVL	139	1.5	2.4	mg/L	1		J	I4a	EPA:160.1	GELC		
C5	3	3	02/20/09	677	792	717	3	Sandia Canyon	Alluvial	SCA-1-DP	2.16	08/03/09	F	CS	METALS	Manganese	Mn		677	0.94	LANL Avl BG LVL	2	169.3	2	ug/L	1				SW-846:6010B	GELC		
C5	9	9	10/16/06	0.184	1.29	0.551	9	Sandia Canyon	Alluvial	SCA-1	1.3	08/04/09	F	CS	GENINORG	Bromide	Br(-)		0.551	1.00	LANL Avl BG LVL	0.07	3.9	0.066	mg/L	1				EPA:300.0	GELC		
C5	9	9	10/16/06	0.385	0.638	0.468	9	Sandia Canyon	Alluvial	SCA-1	1.3	08/04/09	F	CS	GENINORG	Fluoride	F(-)		0.598	1.28	LANL Avl BG LVL	0.27	1.1	0.033	mg/L	1				EPA:300.0	GELC		
C5	8	9	10/16/06	385	583	498	9	Sandia Canyon	Alluvial	SCA-1	1.3	08/04/09	F	CS	GENINORG	Total Dissolved Solids	TDS		583	1.17	LANL Avl BG LVL	139	2.1	2.4	mg/L	1		J	I4a	EPA:160.1	GELC		
C5	7	8	02/13/07	0.182	0.555	0.43	8	Sandia Canyon	Alluvial	SCA-2	10.3	08/04/09	F	CS	GENINORG	Bromide	Br(-)		0.423	0.98	LANL Avl BG LVL	0.07	3.0	0.066	mg/L	1				EPA:300.0	GELC		
C5	7	8	02/13/07	0.128	0.795	0.404	8	Sandia Canyon	Alluvial	SCA-2	10.3	08/04/09	F	CS	GENINORG	Perchlorate	ClO4		0.128	0.32	LANL Avl BG LVL	0.05	1.3	0.05	ug/L	1	J	J	J_LAB	SW-846:6850	GELC		
C5	7	9	02/13/07	10.8	17.3	13.9	9	Sandia Canyon	Alluvial	SCA-2	10.3	08/04/09	F	CS	GENINORG	Potassium	K		16.4	1.18	LANL Avl BG LVL	5.21	1.6	0.05	mg/L	1	*			SW-846:6010B	GELC		
C5	7	9	02/13/07	46.1	157	111	9	Sandia Canyon	Alluvial	SCA-2	10.3	08/04/09	F	CS	GENINORG	Sodium	Na		71.2	0.64	LANL Avl BG LVL	15.54	2.3	0.5	mg/L	5	*			SW-846:6010B	GELC		
C5	6	7	02/13/07	0.294	2.75	2.45	7	Sandia Canyon	Alluvial	SCA-2	10.3	08/04/09	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P		2.69	1.10	LANL Avl BG LVL	0.05	26.9	0.015	mg/L	1				EPA:365.4	GELC		
C5	7	8	02/13/07	295	750	475	8	Sandia Canyon	Alluvial	SCA-2	10.3	08/04/09	F	CS	GENINORG	Total Dissolved Solids	TDS		371	0.78	LANL Avl BG LVL	139	1.3	2.4	mg/L	1		J	I4a	EPA:160.1	GELC		
C5	7	9	02/13/07	4.8	10	6.4	7	Sandia Canyon	Alluvial	SCA-2	10.3	08/04/09	F	CS	METALS	Chromium	Cr		5.48	0.86	LANL Avl BG LVL	1	2.7	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC		
C5	7	9	02/13/07	6.7	13.1	12.3	7	Sandia Canyon	Alluvial	SCA-2	10.3	08/04/09	F	CS	METALS	Molybdenum	Mo		9.51	0.77	LANL Avl BG LVL	2	2.4	0.1	ug/L	1				SW-846:6020	GELC		
C5	7	9	02/13/07	4.6	19.1	9.2	7	Sandia Canyon	Alluvial	SCA-2	10.3	08/04/09	F	CS	METALS	Vanadium	V		13.6	1.48	LANL Avl BG LVL	1	6.8	1	ug/L	1	*			SW-846:6010B	GELC		
C5	7	9	02/13/07	7.73	195	25.1	9	Sandia Canyon	Alluvial	SCA-2	10.3	08/04/09	F	CS	METALS	Zinc	Zn		7.73	0.31	LANL Avl BG LVL	2	1.9	3.3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C5	12	12	01/11/07	1.06	1.53	1.27	12	Sandia Canyon	Intermediate	SCI-1	358.4	08/03/09	F	CS	GENINORG	Bromide	Br(-)		1.06	0.83	LANL Int BG LVL	0.03	17.7	0.066	mg/L	1				EPA:300.0	GELC		
C5	12	14	01/11/07	69.4	87.6	80.3	13	Sandia Canyon	Intermediate	SCI-1	358.4	08/03/09	F	CS	GENINORG	Calcium	Ca		69.4	0.86	LANL Int BG LVL	17.31	2.0	0.05	mg/L	1				SW-846:6010B	GELC		
C5	12	12	01/11/07	82	98.7	90.5	12	Sandia Canyon	Intermediate	SCI-1	358.4	08/03/09	F	CS	GENINORG	Chloride	Cl(-)		82	0.91	LANL Int BG LVL	7.78	5.3	0.66	mg/L	10				EPA:300.0	GELC		
C5	12	12	01/11/07	0.969	1.58	1.42	12	Sandia Canyon	Intermediate	SCI-1	358.4	08/03/09	F	CS	GENINORG	Perchlorate	ClO4		0.969	0.68	LANL Int BG LVL	0.05	9.7	0.05	ug/L	1				SW-846:6850	GELC		
C5	12	14	01/11/07	50.7	62.1	54.2	13	Sandia Canyon	Intermediate	SCI-1	358.4	08/03/09	F	CS	GENINORG	Sodium	Na		54.2	1.00	LANL Int BG LVL	12.19	2.2	0.1	mg/L	1				SW-846:6010B	GELC		
C5	12	12	01/11/07	0.414	1.01	0.809	11	Sandia Canyon	Intermediate	SCI-1	358.4	08/03/09	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P		1.01	1.25	LANL Int BG LVL	0.08	6.3	0.015	mg/L	1	J	I4a	EPA:365.4	GELC			
C5	12	12	01/11/07	100	112	106	12	Sandia Canyon	Intermediate	SCI-1	358.4	08/03/09	F	CS	GENINORG	Sulfate	SO4(-2)		100	0.94	LANL Int BG LVL	40.03	1.3	1	mg/L	10				EPA:300.0	GELC		
C5	12	12	01/11/07	455	536	498	12	Sandia Canyon	Intermediate	SCI-1	358.4	08/03/09	F	CS	GENINORG	Total Dissolved Solids	TDS		485	0.97	LANL Int BG LVL	127	1.9	2.4	mg/L	1	J	I4a	EPA:160.1	GELC			
C5	12	15	01/11/07	11	22.1	13.9	15	Sandia Canyon	Intermediate	SCI-1	358.4	08/03/09	F	CS	METALS	Chromium	Cr		13.3	0.96	LANL Int BG LVL	1	6.7	2.5	ug/L	1				SW-846:6020	GELC		
C5	12	13	01/11/07	43.9	91.1	62.9	13	Sandia Canyon	Intermediate	SCI-1	358.4	08/03/09	F	CS	METALS	Molybdenum	Mo		91.1	1.45	LANL Int BG LVL	2	22.8	0.1	ug/L	1				SW-846:6020	GELC		
C5	12	12	01/11/07	4.3	8.1	5.8	12	Sandia Canyon	Intermediate	SCI-1	358.4	08/03/09	F	CS	METALS	Nickel	Ni		5.41	0.93	LANL Int BG LVL	1	2.7	0.5	ug/L	1	J	I4a	SW-846:6020	GELC			
C5	12	12	01/11/07	1.8	3.05	2.55	12	Sandia Canyon	Intermediate	SCI-1	358.4	08/03/09	F	CS	METALS	Uranium	U		2.16	0.85	LANL Int BG LVL	0.72	1.5	0.05	ug/L	1				SW-846:6020	GELC		
C5	5	7	10/21/08	0.194	0.498	0.416	7	Sandia Canyon	Intermediate	SCI-2	548	08/04/09	F	CS	GENINORG	Bromide	Br(-)		0.424	1.02	LANL Int BG LVL	0.03	7.1	0.066	mg/L	1				EPA:300.0	GELC		
C5	5	7	10/21/08	0.194	0.498	0.416	7	Sandia Canyon	Intermediate	SCI-2	548	08/04/09	FD	F	CS	GENINORG	Bromide	Br(-)		0.416	1.00	LANL Int BG LVL	0.03	6.9	0.066	mg/L	1				EPA:300.0	GELC	
C5	5	9	10/21/08	59.5	65.7	62.5	9	Sandia Canyon	Intermediate	SCI-2	548	08/04/09	FD	F	CS	GENINORG	Calcium	Ca		64.1	1.03	LANL Int BG LVL	17.31	1.9	0.05	mg/L	1	J	I10a	SW-846:6010B	GELC		
C5	5	9	10/21/08	59.5	65.7	62.5	9	Sandia Canyon	Intermediate	SCI-2	548	08/04/09	F	CS	GENINORG	Calcium	Ca		65.7	1.05	LANL Int BG LVL	17.31	1.9	0.05	mg/L	1	J	I10a	SW-846:6010B	GELC			
C5	5	7	10/21/08	53.4	62.1	56.4	7	Sandia Canyon	Intermediate	SCI-2	548	08/04/09	F	CS	GENINORG	Chloride	Cl(-)		56	0.99	LANL Int BG LVL	7.78	3.6	0.33	mg/L	5				EPA:300.0	GELC		
C5	5	7	10/21/08	53.4	62.1	56.4	7	Sandia Canyon	Intermediate	SCI-2	548	08/04/09	FD	F	CS	GENINORG	Chloride	Cl(-)		56.4	1.00	LANL Int BG LVL	7.78	3.6	0.33	mg/L	5				EPA:300.0	GELC	
C5	5	7	10/21/08	0.936	1.04	0.983	7	Sandia Canyon	Intermediate	SCI-2	548	08/04/09	F	CS	GENINORG	Perchlorate	ClO4		0.936	0.95	LANL Int BG LVL	0.05	9.4	0.05	ug/L	1				SW-846:6850	GELC		
C5	5	7	10/21/08	0.936	1.04	0.983	7	Sandia Canyon	Intermediate	SCI-2	548	08/04/09	FD	F	CS																		

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Any1 Suite Code	Analyte Desc	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	Any1 Meth Code	Lab Code	Comment
C5	5	9	10/21/08	14.5	17.9	15.9	9	Sandia Canyon	Intermediate	SCI-2	548	08/04/09	FD	F	CS	METALS	Nickel	Ni		16.4	1.03	LANL Int BG LVL	1	8.2	0.5	ug/L	1				SW-846:6020	GELC	
C5	17	23	05/17/05	3.41	7.43	5.01	23	Sandia Canyon	Regional	R-11	855	08/10/09		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N		6.11	1.22	LANL Reg BG LVL	0.89	3.4	0.1	mg/L	10				EPA:353.2	GELC	
C5	18	27	05/17/05	13.5	34.9	21.2	27	Sandia Canyon	Regional	R-11	855	08/10/09		F	CS	METALS	Chromium	Cr		16	0.75	LANL Reg BG LVL	5.75	1.4	2.5	ug/L	1				SW-846:6020	GELC	
C5	9	14	08/29/07	26.3	62.3	39.7	14	Sandia Canyon	Regional	R-35b	825.4	08/04/09		F	CS	METALS	Zinc	Zn		32.5	0.82	LANL Reg BG LVL	3.89	4.2	3.3	ug/L	1				SW-846:6010B	GELC	
C5	9	10	08/30/07	299	340	323	10	Sandia Canyon	Regional	R-35a	1013.1	08/03/09		F	CS	METALS	Barium	Ba		328	1.02	LANL Reg BG LVL	56.83	2.9	1	ug/L	1				SW-846:6010B	GELC	
C5	9	10	08/30/07	1.2	16.4	1.8	9	Sandia Canyon	Regional	R-35a	1013.1	08/03/09		F	CS	METALS	Nickel	Ni		16.4	9.11	LANL Reg BG LVL	3.09	2.7	0.5	ug/L	1		J	I4a	SW-846:6020	GELC	
C5	9	12	08/30/07	2.3	185	16.3	10	Sandia Canyon	Regional	R-35a	1013.1	08/03/09		F	CS	METALS	Zinc	Zn		12.2	0.75	LANL Reg BG LVL	3.89	1.6	3.3	ug/L	1				SW-846:6010B	GELC	
C5	22	24	10/24/01	0.401	0.52	0.445	22	Sandia Canyon	Water Supply	PM-1	945	05/27/09		UF	CS	GENINORG	Perchlorate	ClO4		0.468	1.05	LANL Reg BG LVL	0.05	4.7	0.05	ug/L	1				SW-846:6850	GELC	
C5	11	11	09/19/05	155	739	329	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	08/06/09		F	CS	GENINORG	Chloride	Cl(-1)		225	0.68	LANL Avl BG LVL	69.76	1.6	3.3	mg/L	50				EPA:300.0	GELC	
C5	11	11	09/19/05	8.67	24.2	12.1	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	08/06/09		F	CS	GENINORG	Potassium	K		13.1	1.08	LANL Avl BG LVL	5.21	1.3	0.05	mg/L	1				SW-846:6010B	GELC	
C5	10	10	07/10/06	0.032	0.661	0.209	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	08/06/09		F	CS	GENINORG	Ammonia as Nitrogen	NH3-N		0.316	1.51	LANL Avl BG LVL	0.04	4.0	0.016	mg/L	1		J	I4a	EPA:350.1	GELC	
C5	11	11	09/19/05	164	481	273	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	08/06/09		F	CS	GENINORG	Sodium	Na		200	0.73	LANL Avl BG LVL	15.54	6.4	0.5	mg/L	5				SW-846:6010B	GELC	
C5	11	14	09/19/05	590	1650	970	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	08/06/09		F	CS	GENINORG	Total Dissolved Solids	TDS		733	0.76	LANL Avl BG LVL	139	2.6	2.4	mg/L	1				EPA:160.1	GELC	
C5	11	11	09/19/05	154	694	234	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	08/06/09		F	CS	METALS	Barium	Ba		234	1.00	LANL Avl BG LVL	68.57	1.7	1	ug/L	1				SW-846:6010B	GELC	
C5	11	11	09/19/05	6.3	25.4	11.1	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	08/06/09		F	CS	METALS	Cobalt	Co		11.1	1.00	LANL Avl BG LVL	0.5	11.1	1	ug/L	1				SW-846:6010B	GELC	
C5	11	11	09/19/05	1460	5870	2290	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	08/06/09		F	CS	METALS	Manganese	Mn		2290	1.00	LANL Avl BG LVL	2	572.5	2	ug/L	1				SW-846:6010B	GELC	
C5	11	11	09/19/05	14	36.3	16.7	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	08/06/09		F	CS	METALS	Nickel	Ni		23	1.38	LANL Avl BG LVL	1	11.5	0.5	ug/L	1				SW-846:6020	GELC	
C5	11	11	09/19/05	13.5	85.9	21.1	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	08/06/09		F	CS	METALS	Zinc	Zn		19.1	0.91	LANL Avl BG LVL	2	4.8	3.3	ug/L	1				SW-846:6010B	GELC	
C5	8	13	07/17/00	3.871000051	77.5	21.9	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09		F	CS	GENINORG	Potassium	K		17	0.78	LANL Avl BG LVL	5.21	1.6	0.05	mg/L	1				SW-846:6010B	GELC	
C5	8	13	07/17/00	3.871000051	77.5	21.9	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09	FD	F	CS	GENINORG	Potassium	K		17.1	0.78	LANL Avl BG LVL	5.21	1.6	0.05	mg/L	1				SW-846:6010B	GELC	
C5	8	13	07/17/00	36.05599976	945	110	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09	FD	F	CS	GENINORG	Sodium	Na		38.9	0.35	LANL Avl BG LVL	15.54	1.3	0.5	mg/L	5				SW-846:6010B	GELC	
C5	8	13	07/17/00	36.05599976	945	110	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09		F	CS	GENINORG	Sodium	Na		37.5	0.34	LANL Avl BG LVL	15.54	1.2	0.5	mg/L	5				SW-846:6010B	GELC	
C5	8	13	07/17/00	1.53	12.3	2.35	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09	FD	F	CS	METALS	Cobalt	Co		1.59	0.68	LANL Avl BG LVL	0.5	1.6	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	8	13	07/17/00	1.53	12.3	2.35	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09		F	CS	METALS	Cobalt	Co		1.53	0.65	LANL Avl BG LVL	0.5	1.5	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	8	13	07/17/00	3.8	52.8	13.3	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09	FD	F	CS	METALS	Chromium	Cr		12.7	0.95	LANL Avl BG LVL	1	6.4	2.5	ug/L	1				SW-846:6020	GELC	
C5	8	13	07/17/00	3.8	52.8	13.3	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09		F	CS	METALS	Chromium	Cr		13.1	0.98	LANL Avl BG LVL	1	6.6	2.5	ug/L	1				SW-846:6020	GELC	
C5	8	13	07/17/00	181	2530	462	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09		F	CS	METALS	Manganese	Mn		506	1.10	LANL Avl BG LVL	2	126.5	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	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Any1 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	Any1 Meth Code	Lab Code	Comment
C5	8	13	07/17/00	181	2530	462	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09	FD	F	CS	METALS	Manganese	Mn		506	1.10	LANL Avl BG LVL	2	126.5	2	ug/L	1				SW-846:6010B	GELC	
C5	8	13	07/17/00	9	400.9999931	163	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09		F	CS	METALS	Molybdenum	Mo		163	1.00	LANL Avl BG LVL	2	40.8	0.1	ug/L	1				SW-846:6020	GELC	
C5	8	13	07/17/00	9	400.9999931	163	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09	FD	F	CS	METALS	Molybdenum	Mo		164	1.01	LANL Avl BG LVL	2	41.0	0.1	ug/L	1				SW-846:6020	GELC	
C5	8	13	07/17/00	2.88	14.1	5.25	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09		F	CS	METALS	Nickel	Ni		2.88	0.55	LANL Avl BG LVL	1	1.4	0.5	ug/L	1				SW-846:6020	GELC	
C5	8	13	07/17/00	2.88	14.1	5.25	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09	FD	F	CS	METALS	Nickel	Ni		3.22	0.61	LANL Avl BG LVL	1	1.6	0.5	ug/L	1				SW-846:6020	GELC	
C5	8	13	07/17/00	3.5	18.3	5.7	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09		F	CS	METALS	Vanadium	V		4.29	0.75	LANL Avl BG LVL	1	2.2	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	8	13	07/17/00	3.5	18.3	5.7	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09	FD	F	CS	METALS	Vanadium	V		4.39	0.77	LANL Avl BG LVL	1	2.2	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	8	13	07/17/00	7.6	248	31.8	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09	FD	F	CS	METALS	Zinc	Zn		23.6	0.74	LANL Avl BG LVL	2	5.9	3.3	ug/L	1				SW-846:6010B	GELC	
C5	8	13	07/17/00	7.6	248	31.8	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09		F	CS	METALS	Zinc	Zn		19.8	0.62	LANL Avl BG LVL	2	5.0	3.3	ug/L	1				SW-846:6010B	GELC	
C5	11	11	04/26/05	4.6	62.4	20.9	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCA-1	2.4	08/06/09		F	CS	METALS	Manganese	Mn		23.6	1.13	LANL Avl BG LVL	2	5.9	2	ug/L	1				SW-846:6010B	GELC	
C5	11	11	04/26/05	1.4	14.1	4.3	7	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCA-1	2.4	08/06/09		F	CS	METALS	Vanadium	V		4.27	0.99	LANL Avl BG LVL	1	2.1	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	11	11	04/26/05	2.6	37	9.4	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCA-1	2.4	08/06/09		F	CS	METALS	Zinc	Zn		9.4	1.00	LANL Avl BG LVL	2	2.4	3.3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	17	22	06/14/05	0.421	4.15	2.39	22	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-3	2	08/12/09		F	CS	GENINORG	Perchlorate	ClO4		0.421	0.18	LANL Avl BG LVL	0.05	4.2	0.05	ug/L	1				SW-846:6850	GELC	
C5	21	27	04/21/05	4.71	44.3	17.3	27	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	08/18/09		F	CS	GENINORG	Perchlorate	ClO4		9.23	0.53	LANL Avl BG LVL	0.05	92.3	1.3	ug/L	25				SW-846:6850	GELC	
C5	30	39	05/24/01	0.629	1.07	0.904	38	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	08/18/09		F	CS	GENINORG	Fluoride	F(-1)		0.717	0.79	LANL Avl BG LVL	0.27	1.3	0.033	mg/L	1				EPA:300.0	GELC	
C5	31	39	05/24/01	0.82	73.1	1.81	38	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	08/18/09		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N		1.51	0.83	LANL Avl BG LVL	0.57	1.3	0.05	mg/L	5				EPA:353.2	GELC	
C5	14	18	06/30/03	42.8	80.7	53.8	18	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	08/18/09		F	CS	GENINORG	Sodium	Na		50.2	0.93	LANL Avl BG LVL	15.54	1.6	0.1	mg/L	1				SW-846:6010B	GELC	
C5	14	18	06/30/03	18.6	72.9	40.1	18	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	08/18/09		F	CS	METALS	Molybdenum	Mo		27.8	0.69	LANL Avl BG LVL	2	7.0	0.1	ug/L	1				SW-846:6020	GELC	
C5	22	27	04/27/05	6.34	31.7	22.2	27	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/12/09		F	CS	GENINORG	Perchlorate	ClO4		7.26	0.33	LANL Avl BG LVL	0.05	72.6	1	ug/L	20				SW-846:6850	GELC	
C5	43	51	02/24/00	0.852	1.51	1.09	51	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/12/09		F	CS	GENINORG	Fluoride	F(-1)		0.875	0.80	LANL Avl BG LVL	0.27	1.6	0.033	mg/L	1				EPA:300.0	GELC	
C5	16	19	08/06/01	13.4	16.6	15.3	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/12/09		F	CS	GENINORG	Potassium	K		14	0.92	LANL Avl BG LVL	5.21	1.3	0.05	mg/L	1				SW-846:6010B	GELC	
C5	43	52	02/24/00	0.745	241	2.05	52	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/12/09		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N		2.06	1.00	LANL Avl BG LVL	0.57	1.8	0.05	mg/L	5				EPA:353.2	GELC	
C5	16	19	08/06/01	50.3	71.3	62.9	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/12/09		F	CS	GENINORG	Sodium	Na		53.5	0.85	LANL Avl BG LVL	15.54	1.7	0.5	mg/L	5				SW-846:6010B	GELC	
C5	16	19	08/06/01	27.1	89.7	52.4	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/12/09		F	CS	METALS	Molybdenum	Mo		34.4	0.66	LANL Avl BG LVL	2	8.6	0.1	ug/L	1				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	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Any1 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	Any1 Meth Code	Lab Code	Comment
C5	21	26	04/28/05	9.97	47.5	26.95	26	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/13/09		F	CS	GENINORG	Perchlorate	ClO4		12	0.45	LANL Avl BG LVL	0.05	120.0	1.3	ug/L	25				SW-846:6850	GELC	
C5	44	53	02/24/00	1.07	2.13	1.35	52	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/13/09		F	CS	GENINORG	Fluoride	F(-1)		1.07	0.79	LANL Avl BG LVL	0.27	2.0	0.033	mg/L	1				EPA:300.0	GELC	
C5	16	18	08/07/01	11.5	19.4	16.5	18	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/13/09		F	CS	GENINORG	Potassium	K		17.7	1.07	LANL Avl BG LVL	5.21	1.7	0.05	mg/L	1				SW-846:6010B	GELC	
C5	16	18	08/07/01	43.1	79.3	60.3	18	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/13/09		F	CS	GENINORG	Sodium	Na		53.8	0.89	LANL Avl BG LVL	15.54	1.7	0.1	mg/L	1				SW-846:6010B	GELC	
C5	18	20	08/07/01	0.04	0.416	0.291	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/13/09		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P		0.292	1.00	LANL Avl BG LVL	0.05	2.9	0.015	mg/L	1				EPA:365.4	GELC	
C5	16	18	08/07/01	154	211	184	18	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/13/09		F	CS	METALS	Barium	Ba		209	1.14	LANL Avl BG LVL	68.57	1.5	1	ug/L	1				SW-846:6010B	GELC	
C5	16	18	08/07/01	34.6	92.1	66.1	18	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/13/09		F	CS	METALS	Molybdenum	Mo		35.7	0.54	LANL Avl BG LVL	2	8.9	0.1	ug/L	1				SW-846:6020	GELC	
C5	16	18	08/07/01	1.8	3.3	2.5	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/13/09		F	CS	METALS	Vanadium	V		2.23	0.89	LANL Avl BG LVL	1	1.1	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	12	18	04/28/05	12.7	58	23.9	18	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	08/05/09	FD	F	CS	GENINORG	Perchlorate	ClO4		21.9	0.92	LANL Avl BG LVL	0.05	219.0	1.3	ug/L	25				SW-846:6850	GELC	
C5	12	18	04/28/05	12.7	58	23.9	18	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	08/05/09		F	CS	GENINORG	Perchlorate	ClO4		21.3	0.89	LANL Avl BG LVL	0.05	213.0	1.3	ug/L	25				SW-846:6850	GELC	
C5	14	21	08/07/01	1.32	1.77	1.4	21	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	08/05/09		F	CS	GENINORG	Fluoride	F(-1)		1.33	0.95	LANL Avl BG LVL	0.27	2.5	0.033	mg/L	1				EPA:300.0	GELC	
C5	14	21	08/07/01	1.32	1.77	1.4	21	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	08/05/09	FD	F	CS	GENINORG	Fluoride	F(-1)		1.32	0.94	LANL Avl BG LVL	0.27	2.4	0.033	mg/L	1				EPA:300.0	GELC	
C5	14	20	08/07/01	7.07	16.6	12.35	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	08/05/09	FD	F	CS	GENINORG	Potassium	K		13.2	1.07	LANL Avl BG LVL	5.21	1.3	0.05	mg/L	1				SW-846:6010B	GELC	
C5	14	20	08/07/01	7.07	16.6	12.35	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	08/05/09		F	CS	GENINORG	Potassium	K		13.6	1.10	LANL Avl BG LVL	5.21	1.3	0.05	mg/L	1				SW-846:6010B	GELC	
C5	14	20	08/07/01	1.39	7.85	2.22	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	08/05/09	FD	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N		2.45	1.10	LANL Avl BG LVL	0.57	2.2	0.05	mg/L	5				EPA:353.2	GELC	
C5	14	20	08/07/01	1.39	7.85	2.22	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	08/05/09		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N		2.31	1.04	LANL Avl BG LVL	0.57	2.0	0.05	mg/L	5				EPA:353.2	GELC	
C5	14	20	08/07/01	54	83.5	61.5	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	08/05/09	FD	F	CS	GENINORG	Sodium	Na		66.1	1.07	LANL Avl BG LVL	15.54	2.1	0.5	mg/L	5				SW-846:6010B	GELC	
C5	14	20	08/07/01	54	83.5	61.5	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	08/05/09		F	CS	GENINORG	Sodium	Na		60.5	0.98	LANL Avl BG LVL	15.54	2.0	0.5	mg/L	5				SW-846:6010B	GELC	
C5	14	20	08/07/01	116	177	164	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	08/05/09		F	CS	METALS	Barium	Ba		177	1.08	LANL Avl BG LVL	68.57	1.3	1	ug/L	1				SW-846:6010B	GELC	
C5	14	20	08/07/01	116	177	164	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	08/05/09	FD	F	CS	METALS	Barium	Ba		173	1.05	LANL Avl BG LVL	68.57	1.3	1	ug/L	1				SW-846:6010B	GELC	
C5	14	20	08/07/01	44.1	108	57.3	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	08/05/09		F	CS	METALS	Molybdenum	Mo		48.7	0.85	LANL Avl BG LVL	2	12.2	0.1	ug/L	1				SW-846:6020	GELC	
C5	14	20	08/07/01	44.1	108	57.3	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	08/05/09	FD	F	CS	METALS	Molybdenum	Mo		48.8	0.85	LANL Avl BG LVL	2	12.2	0.1	ug/L	1				SW-846:6020	GELC	
C5	14	20	08/07/01	2	8.08	2.39	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	08/05/09		F	CS	METALS	Nickel	Ni		2.3	0.96	LANL Avl BG LVL	1	1.2	0.5	ug/L	1				SW-846:6020	GELC	
C5	14	20	08/07/01	2	8.08	2.39	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	08/05/09	FD	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	

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Any1 Suite Code	Analyte Desc	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	Any1 Meth Code	Lab Code	Comment
C5	14	20	08/07/01	1.8	4	2.2	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	08/05/09	FD	F	CS	METALS	Vanadium	V		2.02	0.92	LANL Avl BG LVL	1	1.0	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	9	10	11/14/06	0.298	0.411	0.34	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-6	34	08/14/09		F	CS	GENINORG	Perchlorate	ClO4		0.302	0.89	LANL Avl BG LVL	0.05	3.0	0.05	ug/L	1				SW-846:6850	GELC	
C5	11	12	05/01/01	0.054	0.224	0.186	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-6	34	08/14/09		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P		0.224	1.20	LANL Avl BG LVL	0.05	2.2	0.015	mg/L	1				EPA:365.4	GELC	
C5	15	15	06/23/05	0.291	0.606	0.402	15	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	08/07/09		F	CS	GENINORG	Bromide	Br(-1)		0.394	0.98	LANL Int BG LVL	0.03	6.6	0.066	mg/L	1				EPA:300.0	GELC	
C5	15	15	06/23/05	18.4	21	19.4	15	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	08/07/09		F	CS	GENINORG	Chloride	Cl(-1)		18.7	0.96	LANL Int BG LVL	7.78	1.2	0.13	mg/L	2				EPA:300.0	GELC	
C5	15	15	06/23/05	61.7	166	114	15	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	08/07/09		F	CS	GENINORG	Perchlorate	ClO4		64.8	0.57	LANL Int BG LVL	0.05	648.0	5	ug/L	100				SW-846:6850	GELC	declining since 2006
C5	15	15	06/23/05	9.68	17.7	13	15	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	08/07/09		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N		9.68	0.74	LANL Int BG LVL	2.41	2.0	0.1	mg/L	10				EPA:353.2	GELC	
C5	15	15	06/23/05	2.2	5.1	3	15	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	08/07/09		F	CS	METALS	Nickel	Ni		2.72	0.91	LANL Int BG LVL	1	1.4	0.5	ug/L	1				SW-846:6020	GELC	
C5	15	15	06/23/05	5.3	369	32.2	15	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	08/07/09		F	CS	METALS	Zinc	Zn		24.8	0.77	LANL Int BG LVL	2	6.2	3.3	ug/L	1				SW-846:6010B	GELC	
C5	16	18	06/09/05	68.7	132	97.1	18	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689	08/06/09		F	CS	GENINORG	Perchlorate	ClO4		85.6	0.88	LANL Int BG LVL	0.05	856.0	10	ug/L	200				SW-846:6850	GELC	
C5	4	5	03/11/09	1.09	7.67	5.91	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-46	1340	08/10/09		UF	CS	GENINORG	Total Organic Carbon	TOC		3.16	0.53	LANL Reg BG LVL	0.33	4.8	0.33	mg/L	1				SW-846:9060	GELC	
C5	4	5	03/11/09	6.46	8	7	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-46	1340	08/10/09		F	CS	METALS	Manganese	Mn		7	1.00	LANL Reg BG LVL	2.94	1.2	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	4	5	03/11/09	8.41	14	12.2	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-46	1340	08/10/09		F	CS	METALS	Zinc	Zn		8.41	0.69	LANL Reg BG LVL	3.89	1.1	3.3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	17	23	05/19/05	0.64	7.35	1.6	21	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-1	1031.1	08/13/09		F	CS	METALS	Nickel	Ni		6.26	3.91	LANL Reg BG LVL	3.09	1.0	0.5	ug/L	1				SW-846:6020	GELC	
C5	16	20	05/25/05	5.34	7.38	6.5	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-15	958.6	08/06/09		F	CS	GENINORG	Perchlorate	ClO4		7.01	1.08	LANL Reg BG LVL	0.46	7.6	0.5	ug/L	10				SW-846:6850	GELC	duplicate was highest result
C5	16	20	05/25/05	5.34	7.38	6.5	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-15	958.6	08/06/09	FD	F	CS	GENINORG	Perchlorate	ClO4		7.38	1.14	LANL Reg BG LVL	0.46	8.0	0.5	ug/L	10				SW-846:6850	GELC	highest result
C5	20	24	02/24/00	1.89	3.31	2.26	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-15	958.6	08/06/09	FD	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N		1.93	0.85	LANL Reg BG LVL	0.89	1.1	0.1	mg/L	10		J	I4a	EPA:353.2	GELC	
C5	20	24	02/24/00	1.89	3.31	2.26	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-15	958.6	08/06/09		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N		2.06	0.91	LANL Reg BG LVL	0.89	1.2	0.05	mg/L	5				EPA:353.2	GELC	
C5	5	6	10/09/08	28.7	32.5	31.5	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	08/14/09		F	CS	GENINORG	Chloride	Cl(-1)		31.1	0.99	LANL Reg BG LVL	3.57	4.4	0.33	mg/L	5		J+	I6b	EPA:300.0	GELC	
C5	5	6	10/09/08	1.18	1.35	1.26	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	08/14/09		F	CS	GENINORG	Perchlorate	ClO4		1.24	0.98	LANL Reg BG LVL	0.46	1.4	0.2	ug/L	4				SW-846:6850	GELC	
C5	5	6	10/09/08	11.1	12.9	12.3	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	08/14/09		F	CS	GENINORG	Magnesium	Mg		12	0.98	LANL Reg BG LVL	4.15	1.5	0.085	mg/L	1				SW-846:6010B	GELC	
C5	5	6	10/09/08	5.83	7.03	6.02	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	08/14/09		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N		6.08	1.01	LANL Reg BG LVL	0.89	3.4	0.1	mg/L	10				EPA:353.2	GELC	
C5	5	6	10/09/08	60.6	62.1	61.2	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	08/14/09		F	CS	GENINORG	Sulfate	SO4(-2)		60.6	0.99	LANL Reg BG LVL	7.2	4.2	0.5	mg/L	5				EPA:300.0	GELC	
C5	5	6	10/09/08	1.06	2.84	1.96	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	08/14/09		UF	CS	GENINORG	Total Organic Carbon	TOC		1.06	0.54	LANL Reg BG LVL	0.33	1.6	0.33	mg/L	1				SW-846:9060	GELC	

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	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	5	14	10/09/08	744	1000	831	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	08/14/09	F	CS	METALS	Chromium	Cr		1000	1.20	LANL Reg BG LVL	5.75	87.0	63	ug/L	25				SW-846:6020	GELC	highest result	
C5	5	14	10/09/08	744	1000	831	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	08/14/09	F	CS	METALS	Chromium	Cr		955	1.15	LANL Reg BG LVL	5.75	83.0	25	ug/L	10				SW-846:6020	GELC	highest result	
C5	5	6	10/09/08	8.8	11.5	9.8	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	08/14/09	F	CS	METALS	Nickel	Ni		9.7	0.99	LANL Reg BG LVL	3.09	1.6	0.5	ug/L	1				SW-846:6020	GELC		
C5	5	6	10/09/08	7.7	28.1	19.4	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	08/14/09	F	CS	METALS	Zinc	Zn		21.7	1.12	LANL Reg BG LVL	3.89	2.8	3.3	ug/L	1				SW-846:6010B	GELC		
C5	19	22	05/20/05	21.1	31.7	28	22	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	08/13/09	F	CS	GENINORG	Chloride	Cl(-1)		28.1	1.00	LANL Reg BG LVL	3.57	3.9	0.66	mg/L	10				EPA:300.0	GELC		
C5	19	22	05/20/05	8.68	11.3	10.1	22	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	08/13/09	F	CS	GENINORG	Magnesium	Mg		11	1.09	LANL Reg BG LVL	4.15	1.3	0.085	mg/L	1				SW-846:6010B	GELC		
C5	17	19	05/20/05	3.1	5.39	4.3	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	08/13/09	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N		3.67	0.85	LANL Reg BG LVL	0.89	2.1	0.1	mg/L	10	J-	I6a	EPA:353.2	GELC	poor matrix spike recovery		
C5	19	22	05/20/05	38.1	46.3	42.5	22	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	08/13/09	F	CS	GENINORG	Sulfate	SO4(-2)		43	1.01	LANL Reg BG LVL	7.2	3.0	1	mg/L	10				EPA:300.0	GELC		
C5	20	24	05/20/05	310	468	395	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	08/13/09	F	CS	METALS	Chromium	Cr		383	0.97	LANL Reg BG LVL	5.75	33.3	2.5	ug/L	1				SW-846:6020	GELC		
C5	19	22	05/20/05	6.1	18.2	10.4	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	08/13/09	F	CS	METALS	Nickel	Ni		14.6	1.40	LANL Reg BG LVL	3.09	2.4	0.5	ug/L	1				SW-846:6020	GELC		
C5	12	12	11/28/01	0.3	0.361	0.338	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Water Supply	PM-4	1260	05/27/09	UF	CS	GENINORG	Perchlorate	ClO4		0.361	1.07	LANL Reg BG LVL	0.05	3.6	0.05	ug/L	1				SW-846:6850	GELC		
C5	26	32	10/24/01	0.296	0.444	0.34	27	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Water Supply	PM-5	1440	05/27/09	UF	CS	GENINORG	Perchlorate	ClO4		0.346	1.02	LANL Reg BG LVL	0.05	3.5	0.05	ug/L	1				SW-846:6850	GELC		
C5	4	4	06/21/08	1.17	3.51	1.64	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-20	904.6	03/10/09	UF	CS	GENINORG	Total Organic Carbon	TOC		1.17	0.71	LANL Reg BG LVL	0.33	1.8	0.33	mg/L	1				SW-846:9060	GELC		
C5	11	13	10/31/01	0.29	0.433	0.308	13	White Rock Canyon and Rio Grande	Water Supply	Buckman 1	258	05/19/09	UF	CS	GENINORG	Perchlorate	ClO4		0.326	1.06	LANL Reg BG LVL	0.05	3.3	0.05	ug/L	1				SW-846:6850	GELC		
C5	4	5	10/31/01	0.365	0.421	0.401	4	White Rock Canyon and Rio Grande	Water Supply	Buckman 6	291	05/19/09	UF	CS	GENINORG	Perchlorate	ClO4		0.421	1.05	LANL Reg BG LVL	0.05	4.2	0.05	ug/L	1				SW-846:6850	GELC		
C5	4	5	10/31/01	0.365	0.421	0.401	4	White Rock Canyon and Rio Grande	Water Supply	Buckman 6	291	05/19/09	FD	UF	CS	GENINORG	Perchlorate	ClO4		0.413	1.03	LANL Reg BG LVL	0.05	4.1	0.05	ug/L	1				SW-846:6850	GELC	
C5	12	12	10/31/01	0.244	0.301	0.275	12	White Rock Canyon and Rio Grande	Water Supply	Buckman 8	380	05/19/09	UF	CS	GENINORG	Perchlorate	ClO4		0.266	0.97	LANL Reg BG LVL	0.05	2.7	0.05	ug/L	1				SW-846:6850	GELC		
C6	8	10	08/10/06	2.15	7.65	4.36	10	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N		5.65	1.30	EPA MCL	10	1.1	0.5	mg/L	50	J-	I6a	EPA:353.2	GELC	poor matrix spike recovery, most values for 4 yrs of 4.3 mg/L		
C6	8	10	08/10/06	2.15	7.65	4.36	10	Pueblo Canyon (includes Acid Canyon)	Intermediate	R-3i	215.2	07/22/09	FD	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N		7.65	1.75	EPA MCL	10	1.5	0.25	mg/L	25	J-	I6a	EPA:353.2	GELC	poor matrix spike recovery, most values for 4 yrs of 4.3 mg/L	
C6	11	11	09/19/05	364	26500	7380	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	08/06/09	F	CS	METALS	Iron	Fe		8770	1.19	NM GW STD	1000	17.5	30	ug/L	1				SW-846:6010B	GELC		
C6	8	13	07/17/00	181	2530	462	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09	FD	F	CS	METALS	Manganese	Mn		506	1.10	NM GW STD	200	5.1	2	ug/L	1				SW-846:6010B	GELC	
C6	8	13	07/17/00	181	2530	462	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	08/12/09	F	CS	METALS	Manganese	Mn		506	1.10	NM GW STD	200	5.1	2	ug/L	1				SW-846:6010B	GELC		
C6	5	14	10/09/08	744	1000	831	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	08/14/09	F	CS	METALS	Chromium	Cr		955	1.15	NM GW STD	50	38.2	25	ug/L	10				SW-846:6020	GELC	highest result	
C6	5	14	10/09/08	744	1000	831	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	08/14/09	F	CS	METALS	Chromium	Cr		1000	1.20	NM GW STD	50	40.0	63	ug/L	25				SW-846:6020	GELC	highest result	
C6	8	15	10/31/01	6.41	19.3	16.5	15	White Rock Canyon and Rio Grande	Water Supply	Buckman 1	258	05/19/09	UF	CS	METALS	Uranium	U		17.8	1.08	EPA MCL	30	1.2	0.05	ug/L	1	E			SW-846:6020	GELC		
CA	13	19	07/26/00	3	12	7	11	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	07/20/09	F	CS	METALS	Arsenic	As		12	1.71	EPA MCL	10	1.2	1.5	ug/L	1	J	I4a	SW-846:6020	GELC	previous values of 9 to 11 ug/L since 1993 by different methods		

