

SUMMARY OF NEW LOS ALAMOS NATIONAL LABORATORY GROUNDWATER DATA LOADED IN FEBRUARY 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 2-09 Groundwater Report*. This table contains numerous values, often because new data 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 are expected to be reduced 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, 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.

Criteria 5 and 6 involve conclusions based on four consecutive samples. No results are included for these criteria in the table because few locations have been sampled a sufficient number of times since June 14, 2007, to meet the criteria.

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

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 2-09 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	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	6	6	06/18/07	0.346	0.346	0.346	1	Sandia Canyon	Alluvial	SCA-4	37	11/03/08	UF	CS	VOA	Chloroform	67-66-3	0.346	1.00	EPA PRIM DW STD	80	0.0	0.25	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC		
C1	2	4	10/21/08	1.23	1.23	1.23	1	Sandia Canyon	Intermediate	SCI-2	548	11/18/08	FD	UF	CS	SVOA	Dioxane[1,4-]	123-91-1	1.23	1.00	EPA TAP SCRNL LVL C-5	61.12	0.0	1.2	ug/L	1	J	J	SV7c	SW-846:8270C	GELC	not in primary sample
C1	12	12	09/09/04	0.129	0.129	0.129	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate Spring	Bulldog Spring	0	12/10/08	UF	CS	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2	0.129	1.00				0.12	ug/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC		
C1	11	18	06/27/06	0.54	0.54	0.54	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	12/18/08	UF	DL	VOA	Naphthalene	91-20-3	0.54	1.00	NM GW STD	30	0.0	0.5	ug/L	2	J	J	V88	SW-846:8260B	GELC		
C1	1	1	01/15/09	0.268	0.268	0.268	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-40	849.3	01/15/09	UF	CS	VOA	Toluene	108-88-3	0.268	1.00	NM GW STD	750	0.0	0.25	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	sampled during aquifer test	
C1	10	15	03/10/04	0.371	0.371	0.371	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-20	1149.7	12/18/08	UF	CS	VOA	Trichloroethene	79-01-6	0.371	1.00	EPA PRIM DW STD	5	0.1	0.25	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC	first occurrence of compound in samples from this well	
C1	1	2	01/05/09	0.00000206	0.00000206	0.00000206	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	FD	UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	0.00000206	1.00				0.00000206	ug/L	1				SW-846:8290	ALTC	not in primary sample- sampled during development
C1	1	2	01/05/09	5.68	6.08	5.88	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	UF	CS	HEXP	RDX	121-82-4	6.08	1.03	EPA TAP SCRNL LVL C-5	6.112	1.0	0.13	ug/L	2				SW-846:8321A_MOD	GELC	sampled during development	
C1	1	2	01/05/09	5.68	6.08	5.88	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	FD	UF	CS	HEXP	RDX	121-82-4	5.68	0.97	EPA TAP SCRNL LVL C-5	6.112	0.9	0.13	ug/L	2				SW-846:8321A_MOD	GELC	sampled during development
C1	1	2	01/05/09	0.595	0.6	0.598	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	UF	CS	HEXP	HMX	2691-41-0	0.6	1.00	EPA TAP SCRNL LVL N	1825	0.0	0.1	ug/L	2	J	HE7c	SW-846:8321A_MOD	GELC	sampled during development		
C1	1	2	01/05/09	0.595	0.6	0.598	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	FD	UF	CS	HEXP	HMX	2691-41-0	0.595	0.99	EPA TAP SCRNL LVL N	1825	0.0	0.1	ug/L	2	J	HE7c	SW-846:8321A_MOD	GELC	sampled during development	
C1	1	2	01/05/09	0.0132	0.0132	0.0132	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	UF	CS	PEST/PCB	BHC[gamma-]	58-89-9	0.0132	1.00	EPA PRIM DW STD	0.2	0.1	0.005	ug/L	1	J	J	P88	SW-846:8081A	GELC	sampled during development	
C1	1	2	01/05/09	0.682	0.682	0.682	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	UF	CS	PEST/PCB	Toxaphene (Technical Grade)	8001-35-2	0.682	1.00	EPA PRIM DW STD	3	0.2	0.15	ug/L	1	J	J	P88	SW-846:8081A	GELC	sampled during development	
C1	7	10	06/25/02	0.084	0.084	0.084	1	White Rock Canyon and Rio Grande	Water Supply	J. Martinez House Well	-1	10/15/08	UF	RE	PEST/PCB	Aroclor-1254	11097-69-1	0.084	1.00	EPA PRIM DW STD	0.5	0.2	0.033	ug/L	1	BJ	J	P88	SW-846:8082	GELC		
C1	7	10	06/25/02	0.18	0.18	0.18	1	White Rock Canyon and Rio Grande	Water Supply	J. Martinez House Well	-1	10/15/08	UF	CS	PEST/PCB	Aroclor-1242	53469-21-9	0.18	1.00	EPA PRIM DW STD	0.5	0.4	0.034	ug/L	1				SW-846:8082	GELC		
C1	5	6	06/25/02	0.057	0.057	0.057	1	White Rock Canyon and Rio Grande	Water Supply	Pajarito Well (Pump 1)	-1	10/16/08	UF	CS	PEST/PCB	Aroclor-1254	11097-69-1	0.057	1.00	EPA PRIM DW STD	0.5	0.1	0.034	ug/L	1	BJ	J	P88	SW-846:8082	GELC		
C2	10	13	06/19/00	0.0381	4.44	1.62	9	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	01/07/09	FD	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.25	2.01	LANL Avl BG LVL	0.57	5.7	0.1	mg/L	10				EPA:353.2	GELC	
C2	10	13	06/19/00	0.0381	4.44	1.62	9	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	01/07/09	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	3.25	2.01	LANL Avl BG LVL	0.57	5.7	0.1	mg/L	10				EPA:353.2	GELC		
C2	3	3	05/04/05	180	193	191	3	Pueblo Canyon (includes Acid Canyon)	Regional	R-5	860.9	01/12/09	F	CS	GENINORG	Total Dissolved Solids	TDS	193	1.01	LANL Reg BG LVL	191.68	1.0	2.4	mg/L	1		J	I4a	EPA:160.1	GELC		
C2	7	12	11/15/01	0.444	3.69	0.857	11	Pueblo Canyon (includes Acid Canyon)	Regional	R-5	860.9	01/12/09	UF	CS	GENINORG	Total Organic Carbon	TOC	0.444	0.52	LANL Reg BG LVL	0.33	1.4	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC		
C2	9	14	05/09/06	0.025	0.096	0.034	3	Upper Los Alamos Canyon (includes DP Canyon)	Intermediate	LAOI-7	240	01/07/09	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.096	2.82	LANL Int BG LVL	0.08	1.2	0.024	mg/L	1				EPA:365.4	GELC		
C2	6	9	09/15/00	0.216	0.42	0.28	9	Upper Los Alamos Canyon (includes DP Canyon)	Intermediate	R-9i	278.8	01/08/09	F	CS	GENINORG	Fluoride	F(-1)	0.254	0.91	LANL Int BG LVL	0.23	1.1	0.033	mg/L	1		J-	I6a	EPA:300.0	GELC		
C2	6	6	10/16/06	11.1	52.7	31.9	2	Sandia Canyon	Alluvial	SCA-1	1.3	11/04/08	F	CS	METALS	Molybdenum	Mo	11.1	0.35	LANL Avl BG LVL	2	5.6	0.1	ug/L	1				SW-846:6020	GELC		
C2	6	6	06/18/07	70.1	120	97.7	6	Sandia Canyon	Alluvial	SCA-4	37	11/03/08	F	CS	METALS	Strontium	Sr	120	1.23	LANL Avl BG LVL	120	1.0	1	ug/L	1				SW-846:6010B	GELC		
C2	2	3	10/21/08	0.055	0.179	0.057	3	Sandia Canyon	Intermediate	SCI-2	548	11/18/08	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.179	3.14	LANL Int BG LVL	0.08	2.2	0.024	mg/L	1		J	I10a	EPA:365.4	GELC		
C2	2	5	10/21/08	18.7	18.7	18.7	1	Sandia Canyon	Intermediate	SCI-2	548	11/18/08	F	CS	METALS	Boron	B	18.7	1.00	LANL Int BG LVL	15.12	1.2	10	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C2	2	5	10/21/08	4.8	4.8	4.8	1	Sandia Canyon	Intermediate	SCI-2	548	11/18/08	F	CS	METALS	Zinc	Zn	4.8	1.00	LANL Int BG LVL	2	2.4	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C2	9	12	09/19/00	0.072	0.075	0.074	2	Sandia Canyon	Intermediate	R-12	507	11/13/08	F	CS	GENINORG	Bromide	Br(-1)	0.075	1.01	LANL Int BG LVL	0.03	2.5	0.067	mg/L	1	J	J	J_LAB	EPA:300.0	GELC		
C2	9	12	09/19/00	0.072	0.075	0.074	2	Sandia Canyon	Intermediate	R-12	507	11/13/08	FD	F	CS	GENINORG	Bromide	Br(-1)	0.072	0.97	LANL Int BG LVL	0.03	2.4	0.067	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
C2	6	7	08/30/07	1.2	8.1	1.6	6	Sandia Canyon	Regional	R-35a	1013.1	11/06/08		F	CS	METALS	Nickel	Ni	8.1	5.06	LANL Reg BG LVL	3.09	2.6	0.5	ug/L	1				SW-846:6020	GELC	
C2	3	3	05/12/08	12.4	14.2	13.1	3	Sandia Canyon	Regional	R-36	766.9	11/06/08		F	CS	METALS	Vanadium	V	14.2	1.08	LANL Reg BG LVL	13.41	1.1	1	ug/L	1				SW-846:6010B	GELC	
C2	10	10	04/26/05	0.066	0.069	0.068	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCA-1	2.4	11/06/08		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.069	1.01	LANL Avl BG LVL	0.05	1.4	0.024	mg/L	1				EPA:365.4	GELC	
C2	13	13	08/02/01	0.02	0.185	0.092	7	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	21	11/10/08		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.092	1.00	LANL Avl BG LVL	0.05	1.8	0.024	mg/L	1		J-	I6a	EPA:365.4	GELC	
C2	13	14	08/02/01	1.1	1.6	1.2	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	21	11/10/08		F	CS	METALS	Vanadium	V	1.1	0.92	LANL Avl BG LVL	1	1.1	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	12	17	08/07/01	0.0582	0.29	0.1255	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	11/12/08	FD	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.149	1.19	LANL Avl BG LVL	0.05	3.0	0.024	mg/L	1		J-	I6a	EPA:365.4	GELC	
C2	1	1	11/13/08	77.4	77.4	77.4	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-7	29	11/13/08		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	77.4	1.00	LANL Avl BG LVL	76	1.0	0.73	mg/L	1				EPA:310.1	GELC	
C2	1	1	11/13/08	0.075	0.075	0.075	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-7	29	11/13/08		F	CS	GENINORG	Bromide	Br(-1)	0.075	1.00	LANL Avl BG LVL	0.07	1.1	0.067	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
C2	1	1	11/13/08	0.22	0.22	0.22	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-7	29	11/13/08		F	CS	GENINORG	Perchlorate	ClO4	0.22	1.00	LANL Avl BG LVL	0.05	4.4	0.05	ug/L	1		J+	PE12f	SW-846:6850	GELC	
C2	1	1	11/13/08	26.2	26.2	26.2	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-7	29	11/13/08		F	CS	GENINORG	Sodium	Na	26.2	1.00	LANL Avl BG LVL	15.54	1.7	0.045	mg/L	1				SW-846:6010B	GELC	
C2	1	1	11/13/08	0.197	0.197	0.197	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-7	29	11/13/08		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.197	1.00	LANL Avl BG LVL	0.05	3.9	0.024	mg/L	1				EPA:365.4	GELC	
C2	1	1	11/13/08	212	212	212	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-7	29	11/13/08		F	CS	GENINORG	Total Dissolved Solids	TDS	212	1.00	LANL Avl BG LVL	139	1.5	2.4	mg/L	1				EPA:160.1	GELC	
C2	1	1	11/13/08	102	102	102	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-7	29	11/13/08		F	CS	METALS	Barium	Ba	102	1.00	LANL Avl BG LVL	68.57	1.5	1	ug/L	1				SW-846:6010B	GELC	
C2	1	1	11/13/08	1.4	1.4	1.4	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-7	29	11/13/08		F	CS	METALS	Nickel	Ni	1.4	1.00	LANL Avl BG LVL	1	1.4	0.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C2	1	1	11/13/08	65.5	65.5	65.5	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-7	29	11/13/08		F	CS	METALS	Silicon Dioxide	SiO2	65.5	1.00	LANL Avl BG LVL	64.21	1.0	0.032	mg/L	1				SW-846:6010B	GELC	
C2	1	1	11/13/08	145	145	145	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-7	29	11/13/08		F	CS	METALS	Strontium	Sr	145	1.00	LANL Avl BG LVL	120	1.2	1	ug/L	1				SW-846:6010B	GELC	
C2	1	1	11/13/08	3.8	3.8	3.8	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-7	29	11/13/08		F	CS	METALS	Vanadium	V	3.8	1.00	LANL Avl BG LVL	1	3.8	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	1	1	11/13/08	25.9	25.9	25.9	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-7	29	11/13/08		F	CS	METALS	Zinc	Zn	25.9	1.00	LANL Avl BG LVL	2	13.0	2	ug/L	1				SW-846:6010B	GELC	
C2	13	15	06/09/05	0.069	0.094	0.082	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689	11/11/08		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.094	1.15	LANL Int BG LVL	0.08	1.2	0.024	mg/L	1		J-	I6a	EPA:365.4	GELC	
C2	14	17	06/07/05	2.5	4.5	3.3	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-34	895.15	11/04/08		F	CS	METALS	Zinc	Zn	4.2	1.27	LANL Reg BG LVL	3.89	1.1	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	13	21	12/19/05	89.1	89.1	89.1	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-16r	600	11/04/08		F	CS	METALS	Aluminum	Al	89.1	1.00	LANL Reg BG LVL	68	1.3	68	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	3	3	06/25/08	18.9	30	23.8	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	PCAO-7b2	10	12/18/08		F	CS	GENINORG	Calcium	Ca	30	1.26	LANL Avl BG LVL	26.36	1.1	0.03	mg/L	1				SW-846:6010B	GELC	
C2	3	3	06/25/08	61.6	94.8	68.8	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	PCAO-7b2	10	12/18/08		F	CS	GENINORG	Chloride	Cl(-1)	94.8	1.38	LANL Avl BG LVL	69.76	1.4	0.66	mg/L	10	J+		I6b	EPA:300.0	GELC	
C2	3	3	06/25/08	4.54	5.84	5.17	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	PCAO-7b2	10	12/18/08		F	CS	GENINORG	Potassium	K	5.84	1.13	LANL Avl BG LVL	5.21	1.1	0.05	mg/L	1				SW-846:6010B	GELC	
C2	3	3	06/25/08	5.06	8.54	6.9	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	PCAO-7b2	10	12/18/08		F	CS	GENINORG	Magnesium	Mg	8.54	1.24	LANL Avl BG LVL	7.78	1.1	0.085	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	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
C2	3	3	06/23/08	1.1	1.1	1.1	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	3MAO-2	14.7	12/15/08		F	CS	METALS	Cobalt	Co	1.1	1.00	LANL Avl BG LVL	0.5	2.2	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	3	3	06/23/08	1.8	1.8	1.8	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	3MAO-2	14.7	12/15/08		F	CS	METALS	Chromium	Cr	1.8	1.00	LANL Avl BG LVL	1	1.8	1.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C2	12	12	09/09/04	3.27	6.5	4.79	12	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate Spring	Kieling Spring	0	12/10/08		F	CS	GENINORG	Magnesium	Mg	6.5	1.36	LANL Int BG LVL	6.12	1.1	0.085	mg/L	1				SW-846:6010B	GELC	
C2	11	16	06/23/06	1.1	3	2.1	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	12/18/08	FD	F	CS	METALS	Cobalt	Co	1.1	0.52	LANL Int BG LVL	0.5	2.2	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	1	1	01/15/09	1.6	1.6	1.6	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-40	849.3	01/15/09		UF	CS	GENINORG	Total Organic Carbon	TOC	1.6	1.00	LANL Reg BG LVL	0.33	4.9	0.33	mg/L	1				SW-846:9060	GELC	sampled during aquifer test
C2	1	1	01/15/09	104	104	104	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-40	849.3	01/15/09		F	CS	METALS	Manganese	Mn	104	1.00	LANL Reg BG LVL	2.94	35.4	2	ug/L	1				SW-846:6010B	GELC	sampled during aquifer test
C2	1	1	01/15/09	6.1	6.1	6.1	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-40	849.3	01/15/09		F	CS	METALS	Molybdenum	Mo	6.1	1.00	LANL Reg BG LVL	2	3.1	0.1	ug/L	1				SW-846:6020	GELC	sampled during aquifer test
C2	1	1	01/15/09	158	158	158	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-40	849.3	01/15/09		F	CS	METALS	Zinc	Zn	158	1.00	LANL Reg BG LVL	3.89	40.6	2	ug/L	1				SW-846:6010B	GELC	sampled during aquifer test
C2	8	17	03/11/04	0.058	0.403	0.261	17	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-20	907	12/19/08		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.249	0.95	LANL Reg BG LVL	0.16	1.6	0.024	mg/L	1		J	I4a	EPA:365.4	GELC	
C2	8	10	03/10/04	1.76	4.92	3.2	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-20	1149.7	12/18/08		F	CS	METALS	Nickel	Ni	3.6	1.13	LANL Reg BG LVL	3.09	1.2	0.5	ug/L	1				SW-846:6020	GELC	
C2	13	13	12/03/01	0.04	0.257	0.07	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-22	962.8	12/18/08		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.257	3.67	LANL Reg BG LVL	0.16	1.6	0.024	mg/L	1		J	I4a	EPA:365.4	GELC	
C2	15	15	03/12/01	3.3	11	3.5	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-22	962.8	12/18/08		F	CS	METALS	Zinc	Zn	11	3.14	LANL Reg BG LVL	3.89	2.8	2	ug/L	1				SW-846:6010B	GELC	
C2	1	2	01/05/09	79.8	80.9	80.4	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	80.9	1.01	LANL Int BG LVL	52	1.6	0.73	mg/L	1				EPA:310.1	GELC	sampled during development
C2	1	2	01/05/09	79.8	80.9	80.4	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	FD	F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	79.8	0.99	LANL Int BG LVL	52	1.5	0.73	mg/L	1				EPA:310.1	GELC	sampled during development
C2	1	2	01/05/09	0.208	0.218	0.213	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09		F	CS	GENINORG	Perchlorate	ClO4	0.208	0.98	LANL Int BG LVL	0.05	4.2	0.05	ug/L	1				SW-846:6850	GELC	sampled during development
C2	1	2	01/05/09	0.208	0.218	0.213	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	FD	F	CS	GENINORG	Perchlorate	ClO4	0.218	1.02	LANL Int BG LVL	0.05	4.4	0.05	ug/L	1				SW-846:6850	GELC	sampled during development
C2	1	2	01/05/09	23.6	24.3	24	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09		F	CS	GENINORG	Sodium	Na	24.3	1.01	LANL Int BG LVL	12.19	2.0	0.045	mg/L	1				SW-846:6010B	GELC	sampled during development
C2	1	2	01/05/09	23.6	24.3	24	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	FD	F	CS	GENINORG	Sodium	Na	23.6	0.98	LANL Int BG LVL	12.19	1.9	0.045	mg/L	1				SW-846:6010B	GELC	sampled during development
C2	1	2	01/05/09	144	146	145	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	FD	F	CS	GENINORG	Total Dissolved Solids	TDS	146	1.01	LANL Int BG LVL	127	1.2	2.4	mg/L	1				EPA:160.1	GELC	sampled during development
C2	1	2	01/05/09	144	146	145	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09		F	CS	GENINORG	Total Dissolved Solids	TDS	144	0.99	LANL Int BG LVL	127	1.1	2.4	mg/L	1				EPA:160.1	GELC	sampled during development
C2	1	2	01/05/09	2.2	2.2	2.2	1	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09		F	CS	METALS	Cobalt	Co	2.2	1.00	LANL Int BG LVL	0.5	4.4	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	sampled during development
C2	1	2	01/05/09	90.5	96.3	93.4	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09		F	CS	METALS	Manganese	Mn	96.3	1.03	LANL Int BG LVL	2	48.2	2	ug/L	1				SW-846:6010B	GELC	sampled during development
C2	1	2	01/05/09	90.5	96.3	93.4	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	FD	F	CS	METALS	Manganese	Mn	90.5	0.97	LANL Int BG LVL	2	45.3	2	ug/L	1				SW-846:6010B	GELC	sampled during development
C2	1	2	01/05/09	32.3	32.9	32.6	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09		F	CS	METALS	Molybdenum	Mo	32.3	0.99	LANL Int BG LVL	2	16.2	0.1	ug/L	1	E			SW-846:6020	GELC	sampled during development

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	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	1	2	01/05/09	32.3	32.9	32.6	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	FD	F	CS	METALS	Molybdenum	Mo	32.9	1.01	LANL Int BG LVL	2	16.5	0.1	ug/L	1	E		SW-846:6020	GELC	sampled during development	
C2	1	2	01/05/09	5.5	5.6	5.6	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	F	F	CS	METALS	Nickel	Ni	5.6	1.00	LANL Int BG LVL	1	5.6	0.5	ug/L	1			SW-846:6020	GELC	sampled during development	
C2	1	2	01/05/09	5.5	5.6	5.6	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	FD	F	CS	METALS	Nickel	Ni	5.5	0.98	LANL Int BG LVL	1	5.5	0.5	ug/L	1			SW-846:6020	GELC	sampled during development	
C2	1	2	01/05/09	51.4	52.2	51.8	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	FD	F	CS	METALS	Silicon Dioxide	SiO2	51.4	0.99	LANL Int BG LVL	50.72	1.0	0.032	mg/L	1			SW-846:6010B	GELC	sampled during development	
C2	1	2	01/05/09	51.4	52.2	51.8	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	F	F	CS	METALS	Silicon Dioxide	SiO2	52.2	1.01	LANL Int BG LVL	50.72	1.0	0.032	mg/L	1			SW-846:6010B	GELC	sampled during development	
C2	1	2	01/05/09	1.6	1.6	1.6	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	F	F	CS	METALS	Uranium	U	1.6	1.00	LANL Int BG LVL	0.72	2.2	0.05	ug/L	1			SW-846:6020	GELC	sampled during development	
C2	1	2	01/05/09	1.6	1.6	1.6	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	FD	F	CS	METALS	Uranium	U	1.6	1.00	LANL Int BG LVL	0.72	2.2	0.05	ug/L	1			SW-846:6020	GELC	sampled during development	
C2	1	2	01/05/09	1400	1420	1410	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	FD	F	CS	METALS	Zinc	Zn	1400	0.99	LANL Int BG LVL	2	700.0	2	ug/L	1			SW-846:6010B	GELC	among highest Zn results measured-sampled during development	
C2	1	2	01/05/09	1400	1420	1410	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	F	F	CS	METALS	Zinc	Zn	1420	1.01	LANL Int BG LVL	2	710.0	2	ug/L	1			SW-846:6010B	GELC	among highest Zn results measured-sampled during development	
C2	6	8	06/25/02	339	419	376	8	White Rock Canyon and Rio Grande	Water Supply	J. Martinez House Well	-1	10/15/08	UF	CS	GENINORG	Specific Conductance	SPEC_COND C	378	1.01	LANL Reg BG LVL	287.21	1.3	1	uS/cm	1			EPA:120.1	GELC			
C2	7	10	11/29/00	444	1380	1240	10	White Rock Canyon and Rio Grande	Water Supply	Pajarito Well (Pump 1)	-1	10/16/08	UF	CS	GENINORG	Specific Conductance	SPEC_COND C	799	0.64	LANL Reg BG LVL	287.21	2.8	1	uS/cm	1			EPA:120.1	GELC			
C2	8	8	04/05/00	332	405	377	8	White Rock Canyon and Rio Grande	Water Supply	Eastside Artesian Well	-1	10/16/08	UF	CS	GENINORG	Specific Conductance	SPEC_COND C	401	1.06	LANL Reg BG LVL	287.21	1.4	1	uS/cm	1			EPA:120.1	GELC			
C3	2	4	10/09/08	2.54	11.9	7.2	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	11/20/08	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	11.7	1.63	EPA PRIM DW STD	6	3.9	2.1	ug/L	1	J	SV7a	SW-846:8270C	GELC	new well; about 4 times first results		
C3	2	4	10/09/08	2.54	11.9	7.2	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	11/20/08	FD	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	11.9	1.65	EPA PRIM DW STD	6	4.0	2.1	ug/L	1	J	SV7a	SW-846:8270C	GELC	new well; about 4 times first results	
C3	3	3	06/23/08	134	619	377	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	3MAO-2	14.7	12/15/08	F	F	CS	METALS	Iron	Fe	619	1.64	NM GW STD	1000	1.2	25	ug/L	1			SW-846:6010B	GELC		
C3	1	1	01/15/09	104	104	104	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-40	849.3	01/15/09	F	F	CS	METALS	Manganese	Mn	104	1.00	NM GW STD	200	1.0	2	ug/L	1			SW-846:6010B	GELC	sampled during aquifer test	
C3	1	2	01/05/09	5.68	6.08	5.88	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	UF	CS	HEXP	RDX	121-82-4	6.08	1.03	EPA TAP SCR N LVL C-5	6.112	2.0	0.13	ug/L	2			SW-846:8321A_MOD	GELC	sampled during development		
C3	1	2	01/05/09	5.68	6.08	5.88	2	Water Canyon (includes Cañon de Valle, Potrillo, and Fence Canyons)	Intermediate	R-25b	750	01/05/09	FD	UF	CS	HEXP	RDX	121-82-4	5.68	0.97	EPA TAP SCR N LVL C-5	6.112	1.9	0.13	ug/L	2			SW-846:8321A_MOD	GELC	sampled during development	
C3	7	9	06/25/02	8.4	11.8	9.8	7	White Rock Canyon and Rio Grande	Water Supply	J. Martinez House Well	-1	10/15/08	UF	CS	METALS	Arsenic	As	9.1	0.93	EPA PRIM DW STD	10	1.8	1.5	ug/L	1			SW-846:6020	GELC	naturally occurring arsenic		
C3	6	8	11/29/00	8.58	18.5	11.2	7	White Rock Canyon and Rio Grande	Water Supply	Pajarito Well (Pump 1)	-1	10/16/08	UF	CS	METALS	Arsenic	As	14.8	1.32	EPA PRIM DW STD	10	3.0	1.5	ug/L	1			SW-846:6020	GELC	naturally occurring arsenic		
C5	6	8	08/10/06	0.088	30.3	3.615	8	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	01/07/09	F	F	CS	GENINORG	Ammonia as Nitrogen	NH3-N	0.109	0.03	LANL Avl BG LVL	0.04	1.4	0.03	mg/L	1	J-	I6a	EPA:350.1	GELC		
C5	6	8	08/10/06	0.088	30.3	3.615	8	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	01/07/09	FD	F	CS	GENINORG	Ammonia as Nitrogen	NH3-N	0.088	0.02	LANL Avl BG LVL	0.04	1.1	0.03	mg/L	1	J-	I6a	EPA:350.1	GELC		
C5	9	12	10/31/01	1.33	9.73	3.08	12	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	01/07/09	FD	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	3.36	1.09	LANL Avl BG LVL	0.05	33.6	0.12	mg/L	5	J-	I6a	EPA:365.4	GELC		
C5	9	12	10/31/01	1.33	9.73	3.08	12	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	01/07/09	F	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	3.36	1.09	LANL Avl BG LVL	0.05	33.6	0.12	mg/L	5	J-	I6a	EPA:365.4	GELC		
C5	8	11	06/19/00	296	436	347	11	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	01/07/09	F	F	CS	GENINORG	Total Dissolved Solids	TDS	301	0.87	LANL Avl BG LVL	139	1.1	2.4	mg/L	1			EPA:160.1	GELC		
C5	8	11	06/19/00	296	436	347	11	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	01/07/09	FD	F	CS	GENINORG	Total Dissolved Solids	TDS	296	0.85	LANL Avl BG LVL	139	1.1	2.4	mg/L	1			EPA:160.1	GELC		
C5	12	18	07/26/00	1.28	6.93	2.89	18	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	01/09/09	F	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	2.84	0.98	LANL Avl BG LVL	0.05	28.4	0.024	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	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	9	9	01/11/07	87.4	98.7	91.6	9	Sandia Canyon	Intermediate	SCI-1	358.4	11/13/08		F	CS	GENINORG	Chloride	Cl(-1)	87.4	0.95	LANL Int BG LVL	7.78	5.6	0.66	mg/L	10			EPA:300.0	GELC		
C5	9	9	01/11/07	1.17	1.58	1.45	9	Sandia Canyon	Intermediate	SCI-1	358.4	11/13/08		F	CS	GENINORG	Perchlorate	CIO4	1.17	0.81	LANL Int BG LVL	0.05	11.7	0.1	ug/L	2	J+	PE12f	SW-846:6850	GELC		
C5	9	9	01/11/07	0.504	0.914	0.844	8	Sandia Canyon	Intermediate	SCI-1	358.4	11/13/08		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.905	1.07	LANL Int BG LVL	0.08	5.7	0.024	mg/L	1			EPA:365.4	GELC		
C5	9	9	01/11/07	102	112	106	9	Sandia Canyon	Intermediate	SCI-1	358.4	11/13/08		F	CS	GENINORG	Sulfate	SO4(-2)	106	1.00	LANL Int BG LVL	40.03	1.3	1	mg/L	10			EPA:300.0	GELC		
C5	9	9	01/11/07	455	536	512	9	Sandia Canyon	Intermediate	SCI-1	358.4	11/13/08		F	CS	GENINORG	Total Dissolved Solids	TDS	483	0.94	LANL Int BG LVL	127	1.9	2.4	mg/L	1			EPA:160.1	GELC		
C5	9	10	01/11/07	11.6	22.1	15.1	10	Sandia Canyon	Intermediate	SCI-1	358.4	11/13/08		F	CS	METALS	Chromium	Cr	11.6	0.77	LANL Int BG LVL	1	5.8	1.5	ug/L	1			SW-846:6020	GELC		
C5	9	10	01/11/07	11.6	22.1	15.1	10	Sandia Canyon	Intermediate	SCI-1	358.4	11/13/08		F	CS	METALS	Chromium	Cr	11.7	0.77	LANL Int BG LVL	1	5.9	1.5	ug/L	1			SW-846:6020	GELC		
C5	9	10	01/11/07	43.9	72	52.1	10	Sandia Canyon	Intermediate	SCI-1	358.4	11/13/08		F	CS	METALS	Molybdenum	Mo	72	1.38	LANL Int BG LVL	2	18.0	0.1	ug/L	1			SW-846:6020	GELC		
C5	9	9	01/11/07	4.3	8.1	6.2	9	Sandia Canyon	Intermediate	SCI-1	358.4	11/13/08		F	CS	METALS	Nickel	Ni	4.3	0.69	LANL Int BG LVL	1	2.2	0.5	ug/L	1			SW-846:6020	GELC		
C5	9	9	01/11/07	2	2.9	2.6	9	Sandia Canyon	Intermediate	SCI-1	358.4	11/13/08		F	CS	METALS	Uranium	U	2	0.77	LANL Int BG LVL	0.72	1.4	0.05	ug/L	1			SW-846:6020	GELC		
C5	6	6	06/16/05	0.235	0.363	0.27	4	Sandia Canyon	Intermediate	R-12	468.1	11/12/08		F	CS	GENINORG	Perchlorate	CIO4	0.263	0.97	LANL Int BG LVL	0.05	2.6	0.05	ug/L	1	J+	PE12f	SW-846:6850	GELC		
C5	10	10	09/18/00	37.3	122	67.6	9	Sandia Canyon	Intermediate	R-12	468.1	11/12/08		F	CS	METALS	Boron	B	49.9	0.74	LANL Int BG LVL	15.12	1.7	10	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	10	10	09/18/00	35.8	860	195	10	Sandia Canyon	Intermediate	R-12	468.1	11/12/08		F	CS	METALS	Manganese	Mn	182	0.93	LANL Int BG LVL	2	45.5	2	ug/L	1			SW-846:6010B	GELC		
C5	5	6	02/01/06	0.957	1.16	1.09	5	Sandia Canyon	Intermediate	R-12	507	11/13/08		F	CS	GENINORG	Perchlorate	CIO4	1.09	1.00	LANL Int BG LVL	0.05	10.9	0.1	ug/L	2	J+	PE12f	SW-846:6850	GELC		
C5	5	6	02/01/06	0.957	1.16	1.09	5	Sandia Canyon	Intermediate	R-12	507	11/13/08	FD	F	CS	GENINORG	Perchlorate	CIO4	1.09	1.00	LANL Int BG LVL	0.05	10.9	0.1	ug/L	2	J+	PE12f	SW-846:6850	GELC		
C5	14	20	05/17/05	3.41	7.43	4.79	20	Sandia Canyon	Regional	R-11	855	11/05/08		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.43	1.13	LANL Reg BG LVL	0.89	3.1	0.25	mg/L	25			EPA:353.2	GELC		
C5	15	22	05/17/05	15.6	34.9	22.6	22	Sandia Canyon	Regional	R-11	855	11/05/08		F	CS	METALS	Chromium	Cr	17.5	0.77	LANL Reg BG LVL	5.75	1.5	1.5	ug/L	1			SW-846:6020	GELC		
C5	15	22	05/17/05	15.6	34.9	22.6	22	Sandia Canyon	Regional	R-11	855	11/05/08		F	CS	METALS	Chromium	Cr	17.8	0.79	LANL Reg BG LVL	5.75	1.6	1.5	ug/L	1			SW-846:6020	GELC		
C5	14	20	05/17/05	10.5	37	15.1	15	Sandia Canyon	Regional	R-11	855	11/05/08		F	CS	METALS	Zinc	Zn	10.8	0.72	LANL Reg BG LVL	3.89	1.4	2	ug/L	1			SW-846:6010B	GELC		
C5	6	9	08/29/07	32.9	62.3	50.3	9	Sandia Canyon	Regional	R-35b	825.4	11/06/08	FD	F	CS	METALS	Zinc	Zn	32.9	0.65	LANL Reg BG LVL	3.89	4.2	2	ug/L	1			SW-846:6010B	GELC		
C5	6	9	08/29/07	32.9	62.3	50.3	9	Sandia Canyon	Regional	R-35b	825.4	11/06/08		F	CS	METALS	Zinc	Zn	34.3	0.68	LANL Reg BG LVL	3.89	4.4	2	ug/L	1			SW-846:6010B	GELC		
C5	6	7	08/30/07	299	340	321	7	Sandia Canyon	Regional	R-35a	1013.1	11/06/08		F	CS	METALS	Barium	Ba	321	1.00	LANL Reg BG LVL	56.83	2.8	1	ug/L	1			SW-846:6010B	GELC		
C5	6	9	08/30/07	32.1	315	99.6	9	Sandia Canyon	Regional	R-35a	1013.1	11/06/08		F	CS	METALS	Iron	Fe	50.8	0.51	LANL Reg BG LVL	21	1.2	25	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	3	3	05/12/08	1.51	1.62	1.58	3	Sandia Canyon	Regional	R-36	766.9	11/06/08		F	CS	GENINORG	Perchlorate	CIO4	1.62	1.03	LANL Reg BG LVL	0.46	1.8	0.2	ug/L	4			SW-846:6850	GELC		
C5	3	3	05/12/08	2.22	2.43	2.23	3	Sandia Canyon	Regional	R-36	766.9	11/06/08		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.43	1.09	LANL Reg BG LVL	0.89	1.4	0.1	mg/L	10			EPA:353.2	GELC		
C5	3	3	05/12/08	2.15	6.31	2.53	3	Sandia Canyon	Regional	R-36	766.9	11/06/08		UF	CS	GENINORG	Total Organic Carbon	TOC	2.15	0.85	LANL Reg BG LVL	0.33	3.3	0.33	mg/L	1			SW-846:9060	GELC		
C5	3	3	05/12/08	58.9	66.5	60.8	3	Sandia Canyon	Regional	R-36	766.9	11/06/08		F	CS	METALS	Zinc	Zn	60.8	1.00	LANL Reg BG LVL	3.89	7.8	2	ug/L	1			SW-846:6010B	GELC		
C5	8	9	10/12/06	7.9	14.8	11	9	Sandia Canyon	Regional	R-10	874	11/03/08		F	CS	METALS	Zinc	Zn	9.2	0.84	LANL Reg BG LVL	3.89	1.2	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	9	9	06/29/06	6.6	13.1	10.4	9	Sandia Canyon	Regional	R-10	1042	11/12/08		F	CS	METALS	Zinc	Zn	9.8	0.94	LANL Reg BG LVL	3.89	1.3	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	12	14	11/30/05	6.7	111	8.9	14	Sandia Canyon	Regional	R-10a	690	11/03/08		F	CS	METALS	Zinc	Zn	8.5	0.96	LANL Reg BG LVL	3.89	1.1	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	9	9	09/19/05	155	739	354	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	11/05/08		F	CS	GENINORG	Chloride	Cl(-1)	248	0.70	LANL Avl BG LVL	69.76	1.8	3.3	mg/L	50			EPA:300.0	GELC		
C5	9	9	09/19/05	164	481	288	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	11/05/08		F	CS	GENINORG	Sodium	Na	183	0.64	LANL Avl BG LVL	15.54	5.9	0.045	mg/L	1			SW-846:6010B	GELC		
C5	9	12	09/19/05	590	1650	1010	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	11/05/08		F	CS	GENINORG	Total Dissolved Solids	TDS	621	0.61	LANL Avl BG LVL	139	2.2	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	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
C5	9	9	09/19/05	154	694	307	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	11/05/08	F		CS	METALS	Barium	Ba	207	0.67	LANL Avl BG LVL	68.57	1.5	1	ug/L	1				SW-846:6010B	GELC	
C5	9	9	09/19/05	6.3	25.4	13	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	11/05/08	F		CS	METALS	Cobalt	Co	6.3	0.48	LANL Avl BG LVL	0.5	6.3	1	ug/L	1				SW-846:6010B	GELC	
C5	9	9	09/19/05	1460	5870	2410	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	11/05/08	F		CS	METALS	Manganese	Mn	1460	0.61	LANL Avl BG LVL	2	365.0	2	ug/L	1				SW-846:6010B	GELC	
C5	9	9	09/19/05	14.6	36.3	16.7	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	11/05/08	F		CS	METALS	Nickel	Ni	14.6	0.87	LANL Avl BG LVL	1	7.3	0.5	ug/L	1				SW-846:6020	GELC	
C5	6	9	07/17/00	3.871000051	77.5	21.9	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	F		CS	GENINORG	Potassium	K	17.4	0.79	LANL Avl BG LVL	5.21	1.7	0.05	mg/L	1				SW-846:6010B	GELC	
C5	6	9	07/17/00	3.871000051	77.5	21.9	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	FD	F	CS	GENINORG	Potassium	K	17.4	0.79	LANL Avl BG LVL	5.21	1.7	0.05	mg/L	1				SW-846:6010B	GELC	
C5	6	9	07/17/00	36.05599976	945	110	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	F		CS	GENINORG	Sodium	Na	79.8	0.73	LANL Avl BG LVL	15.54	2.6	0.045	mg/L	1				SW-846:6010B	GELC	
C5	6	9	07/17/00	36.05599976	945	110	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	FD	F	CS	GENINORG	Sodium	Na	79.9	0.73	LANL Avl BG LVL	15.54	2.6	0.045	mg/L	1				SW-846:6010B	GELC	
C5	7	10	07/17/00	322	3800	543	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	F		CS	GENINORG	Total Dissolved Solids	TDS	346	0.64	LANL Avl BG LVL	139	1.2	2.4	mg/L	1				EPA:160.1	GELC	
C5	7	10	07/17/00	322	3800	543	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	FD	F	CS	GENINORG	Total Dissolved Solids	TDS	322	0.59	LANL Avl BG LVL	139	1.2	2.4	mg/L	1				EPA:160.1	GELC	
C5	6	9	07/17/00	1.9	12.3	2.4	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	FD	F	CS	METALS	Cobalt	Co	2	0.83	LANL Avl BG LVL	0.5	2.0	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	6	9	07/17/00	1.9	12.3	2.4	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	F		CS	METALS	Cobalt	Co	2	0.83	LANL Avl BG LVL	0.5	2.0	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	6	9	07/17/00	3.8	52.8	18.1	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	FD	F	CS	METALS	Chromium	Cr	16.2	0.90	LANL Avl BG LVL	1	8.1	1.5	ug/L	1				SW-846:6020	GELC	
C5	6	9	07/17/00	3.8	52.8	18.1	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	F		CS	METALS	Chromium	Cr	18.1	1.00	LANL Avl BG LVL	1	9.1	1.5	ug/L	1				SW-846:6020	GELC	
C5	6	9	07/17/00	181	2530	269	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	FD	F	CS	METALS	Manganese	Mn	268	1.00	LANL Avl BG LVL	2	67.0	2	ug/L	1				SW-846:6010B	GELC	
C5	6	9	07/17/00	181	2530	269	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	F		CS	METALS	Manganese	Mn	269	1.00	LANL Avl BG LVL	2	67.3	2	ug/L	1				SW-846:6010B	GELC	
C5	6	9	07/17/00	9	400.9999931	163	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	F		CS	METALS	Molybdenum	Mo	163	1.00	LANL Avl BG LVL	2	40.8	0.5	ug/L	5				SW-846:6020	GELC	
C5	6	9	07/17/00	9	400.9999931	163	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	FD	F	CS	METALS	Molybdenum	Mo	159	0.98	LANL Avl BG LVL	2	39.8	0.5	ug/L	5				SW-846:6020	GELC	
C5	6	9	07/17/00	3.5	14.1	5.5	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	FD	F	CS	METALS	Nickel	Ni	3.5	0.64	LANL Avl BG LVL	1	1.8	0.5	ug/L	1				SW-846:6020	GELC	
C5	6	9	07/17/00	3.5	14.1	5.5	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	F		CS	METALS	Nickel	Ni	3.9	0.71	LANL Avl BG LVL	1	2.0	0.5	ug/L	1				SW-846:6020	GELC	
C5	6	9	07/17/00	5.3	18.3	10.6	7	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	FD	F	CS	METALS	Vanadium	V	5.3	0.50	LANL Avl BG LVL	1	2.7	1	ug/L	1				SW-846:6010B	GELC	
C5	6	9	07/17/00	5.3	18.3	10.6	7	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	F		CS	METALS	Vanadium	V	5.7	0.54	LANL Avl BG LVL	1	2.9	1	ug/L	1				SW-846:6010B	GELC	
C5	6	9	07/17/00	7.6	248	31.8	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	F		CS	METALS	Zinc	Zn	39.9	1.25	LANL Avl BG LVL	2	10.0	2	ug/L	1				SW-846:6010B	GELC	
C5	6	9	07/17/00	7.6	248	31.8	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	11/05/08	FD	F	CS	METALS	Zinc	Zn	37.9	1.19	LANL Avl BG LVL	2	9.5	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	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qral Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
C5	10	10	04/26/05	0.216	0.871	0.463	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCA-1	2.4	11/06/08	F	CS	GENINORG	Perchlorate	CIO4	0.226	0.49	LANL Avl BG LVL	0.05	2.3	0.05	ug/L	1				SW-846:6850	GELC		
C5	10	10	04/26/05	2.8	11.6	4.6	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCA-1	2.4	11/06/08	F	CS	METALS	Chromium	Cr	2.8	0.61	LANL Avl BG LVL	1	1.4	1.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC		
C5	10	10	04/26/05	4.6	62.4	17.4	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCA-1	2.4	11/06/08	F	CS	METALS	Manganese	Mn	6.5	0.37	LANL Avl BG LVL	2	1.6	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C5	10	10	04/26/05	1.4	14.1	3.9	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCA-1	2.4	11/06/08	F	CS	METALS	Vanadium	V	2.6	0.67	LANL Avl BG LVL	1	1.3	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C5	10	10	04/26/05	2.6	37	9	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCA-1	2.4	11/06/08	F	CS	METALS	Zinc	Zn	6.7	0.74	LANL Avl BG LVL	2	1.7	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C5	14	19	06/14/05	0.971	4.15	2.51	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-3	2	11/06/08	F	CS	GENINORG	Perchlorate	CIO4	0.971	0.39	LANL Avl BG LVL	0.05	9.7	0.1	ug/L	2				SW-846:6850	GELC		
C5	40	48	02/24/00	0.289	530	2.67	46	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-3	2	11/06/08	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.76	1.03	LANL Avl BG LVL	0.57	2.4	0.1	mg/L	10				EPA:353.2	GELC		
C5	18	24	04/21/05	6.97	44.3	18.1	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	11/10/08	F	CS	GENINORG	Perchlorate	CIO4	10.6	0.59	LANL Avl BG LVL	0.05	106.0	1	ug/L	20				SW-846:6850	GELC		
C5	27	36	05/24/01	0.629	1.07	0.917	35	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	11/10/08	F	CS	GENINORG	Fluoride	F(-1)	0.749	0.82	LANL Avl BG LVL	0.27	1.4	0.033	mg/L	1				EPA:300.0	GELC		
C5	12	16	06/30/03	9.93	14.1	12.1	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	11/10/08	F	CS	GENINORG	Potassium	K	11.4	0.94	LANL Avl BG LVL	5.21	1.1	0.05	mg/L	1				SW-846:6010B	GELC		
C5	12	16	06/30/03	42.8	80.7	56	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	11/10/08	F	CS	GENINORG	Sodium	Na	52.7	0.94	LANL Avl BG LVL	15.54	1.7	0.045	mg/L	1				SW-846:6010B	GELC		
C5	27	40	05/24/01	239	2840	311	40	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	11/10/08	F	CS	GENINORG	Total Dissolved Solids	TDS	278	0.89	LANL Avl BG LVL	139	1.0	2.4	mg/L	1				EPA:160.1	GELC		
C5	12	16	06/30/03	18.6	72.9	43.3	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	11/10/08	F	CS	METALS	Molybdenum	Mo	26.3	0.61	LANL Avl BG LVL	2	6.6	0.1	ug/L	1				SW-846:6020	GELC		
C5	9	9	05/03/05	10.3	24.4	19.9	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	21	11/10/08	F	CS	GENINORG	Perchlorate	CIO4	10.4	0.52	LANL Avl BG LVL	0.05	104.0	1	ug/L	20				SW-846:6850	GELC		
C5	14	15	08/02/01	0.714	1.18	0.945	15	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	21	11/10/08	F	CS	GENINORG	Fluoride	F(-1)	0.827	0.88	LANL Avl BG LVL	0.27	1.5	0.033	mg/L	1				EPA:300.0	GELC		
C5	13	14	08/02/01	12.1	15.7	14.4	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	21	11/10/08	F	CS	GENINORG	Potassium	K	13.8	0.96	LANL Avl BG LVL	5.21	1.3	0.05	mg/L	1				SW-846:6010B	GELC		
C5	13	14	08/02/01	46.3	77.4	58.5	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	21	11/10/08	F	CS	GENINORG	Sodium	Na	53.7	0.92	LANL Avl BG LVL	15.54	1.7	0.045	mg/L	1				SW-846:6010B	GELC		
C5	13	14	08/02/01	24.9	81.3	54.5	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	21	11/10/08	F	CS	METALS	Molybdenum	Mo	27	0.50	LANL Avl BG LVL	2	6.8	0.1	ug/L	1				SW-846:6020	GELC		
C5	19	24	04/27/05	7.39	31.7	22.3	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	11/11/08	F	CS	GENINORG	Perchlorate	CIO4	9.51	0.43	LANL Avl BG LVL	0.05	95.1	1	ug/L	20				SW-846:6850	GELC		
C5	40	48	02/24/00	0.852	1.51	1.095	48	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	11/11/08	F	CS	GENINORG	Fluoride	F(-1)	0.872	0.80	LANL Avl BG LVL	0.27	1.6	0.033	mg/L	1				EPA:300.0	GELC		
C5	14	17	08/06/01	13.4	16.6	15.4	17	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	11/11/08	F	CS	GENINORG	Potassium	K	14.7	0.95	LANL Avl BG LVL	5.21	1.4	0.05	mg/L	1				SW-846:6010B	GELC		
C5	14	17	08/06/01	50.3	71.3	63.1	17	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	11/11/08	F	CS	GENINORG	Sodium	Na	55.5	0.88	LANL Avl BG LVL	15.54	1.8	0.045	mg/L	1				SW-846:6010B	GELC		
C5	14	17	08/06/01	27.1	89.7	56.9	17	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	11/11/08	F	CS	METALS	Molybdenum	Mo	31.1	0.55	LANL Avl BG LVL	2	7.8	0.1	ug/L	1				SW-846:6020	GELC		
C5	18	23	04/28/05	10.1	47.5	27.1	23	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	11/11/08	F	CS	GENINORG	Perchlorate	CIO4	10.3	0.38	LANL Avl BG LVL	0.05	103.0	1	ug/L	20				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	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
C5	41	50	02/24/00	1.07	2.13	1.36	49	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	11/11/08		F	CS	GENINORG	Fluoride	F(-1)	1.29	0.95	LANL Avl BG LVL	0.27	2.4	0.033	mg/L	1			EPA:300.0	GELC		
C5	14	16	08/07/01	11.5	19.4	16.5	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	11/11/08		F	CS	GENINORG	Potassium	K	16.3	0.99	LANL Avl BG LVL	5.21	1.6	0.05	mg/L	1			SW-846:6010B	GELC		
C5	14	16	08/07/01	43.1	79.3	66.6	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	11/11/08		F	CS	GENINORG	Sodium	Na	54.5	0.82	LANL Avl BG LVL	15.54	1.8	0.045	mg/L	1			SW-846:6010B	GELC		
C5	15	17	08/07/01	0.04	0.416	0.289	17	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	11/11/08		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.242	0.84	LANL Avl BG LVL	0.05	2.4	0.024	mg/L	1	J-	I6a	EPA:365.4	GELC		
C5	14	16	08/07/01	154	211	183	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	11/11/08		F	CS	METALS	Barium	Ba	176	0.96	LANL Avl BG LVL	68.57	1.3	1	ug/L	1			SW-846:6010B	GELC		
C5	14	16	08/07/01	34.6	92.1	70.6	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	11/11/08		F	CS	METALS	Molybdenum	Mo	43.5	0.62	LANL Avl BG LVL	2	10.9	0.1	ug/L	1			SW-846:6020	GELC		
C5	10	14	04/28/05	12.7	58	25.2	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	11/12/08		F	CS	GENINORG	Perchlorate	ClO4	12.7	0.50	LANL Avl BG LVL	0.05	127.0	1	ug/L	20			SW-846:6850	GELC		
C5	10	14	04/28/05	12.7	58	25.2	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	11/12/08	FD	F	CS	GENINORG	Perchlorate	ClO4	13.3	0.53	LANL Avl BG LVL	0.05	133.0	1	ug/L	20			SW-846:6850	GELC		
C5	12	17	08/07/01	1.33	1.77	1.46	17	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	11/12/08	FD	F	CS	GENINORG	Fluoride	F(-1)	1.46	1.00	LANL Avl BG LVL	0.27	2.7	0.033	mg/L	1			EPA:300.0	GELC		
C5	12	17	08/07/01	1.33	1.77	1.46	17	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	11/12/08		F	CS	GENINORG	Fluoride	F(-1)	1.47	1.01	LANL Avl BG LVL	0.27	2.7	0.033	mg/L	1			EPA:300.0	GELC		
C5	12	16	08/07/01	7.07	16.6	12.2	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	11/12/08	FD	F	CS	GENINORG	Potassium	K	12.1	0.99	LANL Avl BG LVL	5.21	1.2	0.05	mg/L	1			SW-846:6010B	GELC		
C5	12	16	08/07/01	7.07	16.6	12.2	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	11/12/08		F	CS	GENINORG	Potassium	K	12.4	1.02	LANL Avl BG LVL	5.21	1.2	0.05	mg/L	1			SW-846:6010B	GELC		
C5	12	16	08/07/01	1.39	7.85	2.22	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	11/12/08		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.49	0.67	LANL Avl BG LVL	0.57	1.3	0.05	mg/L	5			EPA:353.2	GELC		
C5	12	16	08/07/01	1.39	7.85	2.22	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	11/12/08	FD	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.71	0.77	LANL Avl BG LVL	0.57	1.5	0.05	mg/L	5			EPA:353.2	GELC		
C5	12	16	08/07/01	54	83.5	61.6	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	11/12/08	FD	F	CS	GENINORG	Sodium	Na	59.9	0.97	LANL Avl BG LVL	15.54	1.9	0.045	mg/L	1			SW-846:6010B	GELC		
C5	12	16	08/07/01	54	83.5	61.6	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	11/12/08		F	CS	GENINORG	Sodium	Na	61.3	1.00	LANL Avl BG LVL	15.54	2.0	0.045	mg/L	1			SW-846:6010B	GELC		
C5	12	16	08/07/01	116	174	162	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	11/12/08		F	CS	METALS	Barium	Ba	154	0.95	LANL Avl BG LVL	68.57	1.1	1	ug/L	1			SW-846:6010B	GELC		
C5	12	16	08/07/01	116	174	162	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	11/12/08	FD	F	CS	METALS	Barium	Ba	154	0.95	LANL Avl BG LVL	68.57	1.1	1	ug/L	1			SW-846:6010B	GELC		
C5	12	16	08/07/01	44.1	108	60	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	11/12/08	FD	F	CS	METALS	Molybdenum	Mo	54.5	0.91	LANL Avl BG LVL	2	13.6	0.1	ug/L	1			SW-846:6020	GELC		
C5	12	16	08/07/01	44.1	108	60	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	11/12/08		F	CS	METALS	Molybdenum	Mo	55	0.92	LANL Avl BG LVL	2	13.8	0.1	ug/L	1			SW-846:6020	GELC		
C5	12	16	08/07/01	2.1	8.08	2.55	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	11/12/08	FD	F	CS	METALS	Nickel	Ni	2.1	0.82	LANL Avl BG LVL	1	1.1	0.5	ug/L	1			SW-846:6020	GELC		
C5	12	16	08/07/01	2.1	8.08	2.55	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	11/12/08		F	CS	METALS	Nickel	Ni	2.1	0.82	LANL Avl BG LVL	1	1.1	0.5	ug/L	1			SW-846:6020	GELC		
C5	6	7	11/14/06	0.298	0.411	0.349	7	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-6	34	11/13/08		F	CS	GENINORG	Perchlorate	ClO4	0.411	1.18	LANL Avl BG LVL	0.05	4.1	0.05	ug/L	1	J+	PE12f	SW-846:6850	GELC		
C5	9	12	05/01/01	3.7	6.5	4.8	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-6	34	11/13/08		F	CS	METALS	Vanadium	V	4.8	1.00	LANL Avl BG LVL	1	2.4	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
C5	12	12	06/23/05	0.34	0.606	0.405	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	11/18/08	F	CS	GENINORG	Bromide	Br(-1)	0.402	0.99	LANL Int BG LVL	0.03	6.7	0.067	mg/L	1				EPA:300.0	GELC		
C5	12	12	06/23/05	18.4	21	19.4	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	11/18/08	F	CS	GENINORG	Chloride	Cl(-1)	19.5	1.01	LANL Int BG LVL	7.78	1.3	0.13	mg/L	2				EPA:300.0	GELC		
C5	12	12	06/23/05	78	166	133	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	11/18/08	F	CS	GENINORG	Perchlorate	ClO4	78	0.59	LANL Int BG LVL	0.05	780.0	10	ug/L	200				SW-846:6850	GELC		
C5	12	12	06/23/05	11.5	17.7	14.1	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	11/18/08	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	11.5	0.82	LANL Int BG LVL	2.41	2.4	0.25	mg/L	25	J+	I6b		EPA:353.2	GELC		
C5	12	13	06/23/05	6.7	29.4	14	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	11/18/08	F	CS	METALS	Chromium	Cr	6.8	0.49	LANL Int BG LVL	1	3.4	1.5	ug/L	1				SW-846:6020	GELC		
C5	12	13	06/23/05	6.7	29.4	14	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	11/18/08	F	CS	METALS	Chromium	Cr	6.9	0.49	LANL Int BG LVL	1	3.5	1.5	ug/L	1				SW-846:6020	GELC		
C5	12	12	06/23/05	3.2	15.9	5.8	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	11/18/08	F	CS	METALS	Manganese	Mn	5.7	0.98	LANL Int BG LVL	2	1.4	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C5	12	12	06/23/05	2.2	5.1	3.1	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	11/18/08	F	CS	METALS	Nickel	Ni	4.1	1.32	LANL Int BG LVL	1	2.1	0.5	ug/L	1				SW-846:6020	GELC		
C5	12	12	06/23/05	5.3	369	38.8	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	11/18/08	F	CS	METALS	Zinc	Zn	117	3.02	LANL Int BG LVL	2	29.3	2	ug/L	1				SW-846:6010B	GELC		
C5	13	15	06/09/05	83.6	132	100	15	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689	11/11/08	F	CS	GENINORG	Perchlorate	ClO4	83.6	0.84	LANL Int BG LVL	0.05	836.0	13	ug/L	250				SW-846:6850	GELC		
C5	13	19	06/15/05	0.212	0.477	0.305	17	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	11/10/08	F	CS	GENINORG	Bromide	Br(-1)	0.405	1.33	LANL Int BG LVL	0.03	6.8	0.067	mg/L	1				EPA:300.0	GELC		
C5	13	19	06/15/05	42.8	62.2	48.1	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	11/10/08	F	CS	GENINORG	Calcium	Ca	62.2	1.29	LANL Int BG LVL	17.31	1.8	0.03	mg/L	1				SW-846:6010B	GELC		
C5	13	19	06/15/05	21.2	38.9	22.9	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	11/10/08	F	CS	GENINORG	Chloride	Cl(-1)	38.9	1.70	LANL Int BG LVL	7.78	2.5	0.66	mg/L	10				EPA:300.0	GELC		
C5	13	19	06/15/05	128	246	177	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	11/10/08	F	CS	GENINORG	Perchlorate	ClO4	128	0.72	LANL Int BG LVL	0.05	1280.0	13	ug/L	250				SW-846:6850	GELC		
C5	13	19	06/15/05	0.47	0.635	0.531	18	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	11/10/08	F	CS	GENINORG	Fluoride	F(-1)	0.518	0.98	LANL Int BG LVL	0.23	1.1	0.033	mg/L	1				EPA:300.0	GELC		
C5	13	20	06/15/05	14.2	20.4	18.3	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	11/10/08	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	17	0.93	LANL Int BG LVL	2.41	3.5	0.25	mg/L	25				EPA:353.2	GELC		
C5	13	27	06/15/05	298	395	346	27	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	11/10/08	F	CS	GENINORG	Total Dissolved Solids	TDS	368	1.06	LANL Int BG LVL	127	1.5	2.4	mg/L	1				EPA:160.1	GELC		
C5	13	19	06/15/05	25.4	38.6	31.9	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	11/10/08	F	CS	METALS	Boron	B	36.9	1.16	LANL Int BG LVL	15.12	1.2	10	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C5	13	20	06/15/05	29.4	58.2	39.4	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	11/10/08	F	CS	METALS	Chromium	Cr	37	0.94	LANL Int BG LVL	1	18.5	1.5	ug/L	1				SW-846:6020	GELC		
C5	13	20	06/15/05	29.4	58.2	39.4	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	11/10/08	F	CS	METALS	Chromium	Cr	37.5	0.95	LANL Int BG LVL	1	18.8	1.5	ug/L	1				SW-846:6020	GELC		
C5	13	19	06/15/05	2.9	8.9	5.3	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	11/10/08	F	CS	METALS	Nickel	Ni	5.7	1.08	LANL Int BG LVL	1	2.9	0.5	ug/L	1				SW-846:6020	GELC		
C5	13	19	06/15/05	26	288	88	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	11/10/08	F	CS	METALS	Zinc	Zn	288	3.27	LANL Int BG LVL	2	72.0	2	ug/L	1				SW-846:6010B	GELC		
C5	8	8	07/07/06	98	124	108	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	11/20/08	F	CS	GENINORG	Calcium	Ca	108	1.00	LANL Int BG LVL	17.31	3.1	0.03	mg/L	1				SW-846:6010B	GELC		
C5	7	7	07/07/06	1.52	1.68	1.62	7	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	11/20/08	F	CS	GENINORG	Perchlorate	ClO4	1.62	1.00	LANL Int BG LVL	0.05	16.2	0.2	ug/L	4				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	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
C5	8	8	07/07/06	16.5	20.3	18.1	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	11/20/08	F	CS	GENINORG	Magnesium	Mg	18	0.99	LANL Int BG LVL	6.12	1.5	0.085	mg/L	1				SW-846:6010B	GELC		
C5	8	8	07/07/06	35	45.9	40	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	11/20/08	F	CS	GENINORG	Sodium	Na	35	0.88	LANL Int BG LVL	12.19	1.4	0.045	mg/L	1				SW-846:6010B	GELC		
C5	8	8	07/07/06	79.4	120	96	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	11/20/08	F	CS	METALS	Boron	B	94.1	0.98	LANL Int BG LVL	15.12	3.1	10	ug/L	1	J	I4a		SW-846:6010B	GELC		
C5	8	8	07/07/06	3.6	5.2	4.2	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	11/20/08	F	CS	METALS	Nickel	Ni	3.7	0.88	LANL Int BG LVL	1	1.9	0.5	ug/L	1				SW-846:6020	GELC		
C5	8	8	07/07/06	561	689	616	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	11/20/08	F	CS	METALS	Strontium	Sr	618	1.00	LANL Int BG LVL	154.76	2.0	1	ug/L	1				SW-846:6010B	GELC		
C5	8	8	07/07/06	22.3	32.6	28.5	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	11/20/08	F	CS	METALS	Uranium	U	27.1	0.95	LANL Int BG LVL	0.72	18.8	0.05	ug/L	1				SW-846:6020	GELC		
C5	13	16	05/25/05	5.34	7.03	6.44	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-15	958.6	11/10/08	F	CS	GENINORG	Perchlorate	ClO4	7.03	1.09	LANL Reg BG LVL	0.46	7.6	0.5	ug/L	10				SW-846:6850	GELC		
C5	17	20	02/24/00	1.89	3.31	2.3	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-15	958.6	11/10/08	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.16	0.94	LANL Reg BG LVL	0.89	1.2	0.1	mg/L	10				EPA:353.2	GELC		
C5	16	19	05/20/05	21.1	30.1	27.5	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	11/10/08	F	CS	GENINORG	Chloride	Cl(-1)	28.7	1.04	LANL Reg BG LVL	3.57	4.0	0.66	mg/L	10				EPA:300.0	GELC		
C5	16	19	05/20/05	8.68	10.8	10.1	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	11/10/08	F	CS	GENINORG	Magnesium	Mg	10.8	1.07	LANL Reg BG LVL	4.15	1.3	0.085	mg/L	1				SW-846:6010B	GELC		
C5	14	16	05/20/05	3.1	5.39	4.38	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	11/10/08	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	4.64	1.06	LANL Reg BG LVL	0.89	2.6	0.1	mg/L	10				EPA:353.2	GELC		
C5	16	19	05/20/05	38.1	46.3	42.4	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	11/10/08	F	CS	GENINORG	Sulfate	SO4(-2)	46.3	1.09	LANL Reg BG LVL	7.2	3.2	1	mg/L	10				EPA:300.0	GELC		
C5	17	21	05/20/05	310	468	404	21	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	11/10/08	F	CS	METALS	Chromium	Cr	468	1.16	LANL Reg BG LVL	5.75	40.7	15	ug/L	10				SW-846:6020	GELC		
C5	16	19	05/20/05	6.1	17.7	10	17	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-28	934.3	11/10/08	F	CS	METALS	Nickel	Ni	17.7	1.77	LANL Reg BG LVL	3.09	2.9	0.5	ug/L	1				SW-846:6020	GELC		
C5	13	21	12/19/05	7.8	56.9	10.4	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-16r	600	11/04/08	F	CS	METALS	Zinc	Zn	8.9	0.86	LANL Reg BG LVL	3.89	1.1	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C5	13	21	12/19/05	7.8	56.9	10.4	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-16r	600	11/04/08	FD	F	CS	METALS	Zinc	Zn	10.4	1.00	LANL Reg BG LVL	3.89	1.3	2	ug/L	1				SW-846:6010B	GELC	
C5	3	3	06/22/08	0.252	0.302	0.3	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	PCAO-7a	9.7	12/04/08	F	CS	GENINORG	Perchlorate	ClO4	0.252	0.84	LANL Avl BG LVL	0.05	2.5	0.05	ug/L	1				SW-846:6850	GELC		
C5	3	3	06/25/08	0.204	0.237	0.225	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	PCAO-7b2	10	12/18/08	F	CS	GENINORG	Perchlorate	ClO4	0.225	1.00	LANL Avl BG LVL	0.05	2.3	0.05	ug/L	1				SW-846:6850	GELC		
C5	3	3	06/25/08	39.5	46	44.6	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	PCAO-7b2	10	12/18/08	F	CS	GENINORG	Sodium	Na	44.6	1.00	LANL Avl BG LVL	15.54	1.4	0.045	mg/L	1				SW-846:6010B	GELC		
C5	3	3	06/25/08	140	184	154	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	PCAO-7b2	10	12/18/08	F	CS	METALS	Barium	Ba	184	1.19	LANL Avl BG LVL	68.57	1.3	1	ug/L	1				SW-846:6010B	GELC		
C5	3	3	06/25/08	6.8	609	89.2	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	PCAO-7b2	10	12/18/08	F	CS	METALS	Manganese	Mn	6.8	0.08	LANL Avl BG LVL	2	1.7	2	ug/L	1	J*	J	I10a	SW-846:6010B	GELC		
C5	3	3	06/25/08	26.6	872	36.4	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	PCAO-7b2	10	12/18/08	F	CS	METALS	Zinc	Zn	36.4	1.00	LANL Avl BG LVL	2	9.1	2	ug/L	1				SW-846:6010B	GELC		
C5	3	3	06/23/08	5.7	34.5	6.8	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	3MAO-2	14.7	12/15/08	F	CS	METALS	Manganese	Mn	5.7	0.84	LANL Avl BG LVL	2	1.4	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		
C5	3	3	06/23/08	4	9.7	5.6	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	3MAO-2	14.7	12/15/08	F	CS	METALS	Zinc	Zn	5.6	1.00	LANL Avl BG LVL	2	1.4	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC		

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Any1 Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Any1 Meth Code	Lab Code	Comment
C5	10	10	08/23/06	52.1	566	135.5	10	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	12/18/08		F	CS	GENINORG	Chloride	Cl(-1)	94.7	0.70	LANL Int BG LVL	7.78	6.1	0.66	mg/L	10		J+	I6b	EPA:300.0	GELC	
C5	11	11	06/27/06	40.3	291	93.1	11	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	12/18/08		F	CS	GENINORG	Sodium	Na	65.6	0.70	LANL Int BG LVL	12.19	2.7	0.045	mg/L	1				SW-846:6010B	GELC	
C5	11	11	06/27/06	1	2.2	1.5	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	12/18/08		F	CS	METALS	Cobalt	Co	1.2	0.80	LANL Int BG LVL	0.5	1.2	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	11	11	06/27/06	4.6	300	16.7	11	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	12/18/08		F	CS	METALS	Manganese	Mn	4.6	0.28	LANL Int BG LVL	2	1.2	2	ug/L	1	J*	J	I10a	SW-846:6010B	GELC	
C5	11	11	06/27/06	0.56	18.4	2.3	11	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	12/18/08		F	CS	METALS	Lead	Pb	1.5	0.65	LANL Int BG LVL	0.5	1.5	0.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C5	11	11	06/27/06	6.4	50.8	10.7	9	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	12/18/08		F	CS	METALS	Zinc	Zn	40.4	3.78	LANL Int BG LVL	2	10.1	2	ug/L	1				SW-846:6010B	GELC	
C5	11	16	06/23/06	43.2	610	153	16	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	12/18/08	FD	F	CS	GENINORG	Chloride	Cl(-1)	143	0.93	LANL Int BG LVL	7.78	9.2	1.3	mg/L	20		J+	I6b	EPA:300.0	GELC	
C5	11	16	06/23/06	43.2	610	153	16	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	12/18/08		F	CS	GENINORG	Chloride	Cl(-1)	142	0.93	LANL Int BG LVL	7.78	9.1	1.3	mg/L	20		J+	I6b	EPA:300.0	GELC	
C5	11	16	06/23/06	44.3	347	106	16	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	12/18/08	FD	F	CS	GENINORG	Sodium	Na	85	0.80	LANL Int BG LVL	12.19	3.5	0.045	mg/L	1				SW-846:6010B	GELC	
C5	11	16	06/23/06	44.3	347	106	16	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	12/18/08		F	CS	GENINORG	Sodium	Na	84.9	0.80	LANL Int BG LVL	12.19	3.5	0.045	mg/L	1				SW-846:6010B	GELC	
C5	11	22	06/23/06	184	1230	296	22	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	12/18/08		F	CS	GENINORG	Total Dissolved Solids	TDS	297	1.00	LANL Int BG LVL	127	1.2	2.4	mg/L	1				EPA:160.1	GELC	
C5	11	22	06/23/06	184	1230	296	22	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	12/18/08	FD	F	CS	GENINORG	Total Dissolved Solids	TDS	290	0.98	LANL Int BG LVL	127	1.1	2.4	mg/L	1				EPA:160.1	GELC	
C5	11	16	06/23/06	3.1	681	33.9	16	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	12/18/08	FD	F	CS	METALS	Manganese	Mn	5.7	0.17	LANL Int BG LVL	2	1.4	2	ug/L	1	J*	J	I10a	SW-846:6010B	GELC	
C5	11	16	06/23/06	3.3	64.9	15	15	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	12/18/08	FD	F	CS	METALS	Zinc	Zn	39.9	2.66	LANL Int BG LVL	2	10.0	2	ug/L	1				SW-846:6010B	GELC	
C5	11	16	06/23/06	3.3	64.9	15	15	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	12/18/08		F	CS	METALS	Zinc	Zn	31.1	2.07	LANL Int BG LVL	2	7.8	2	ug/L	1				SW-846:6010B	GELC	
C5	5	7	09/06/07	0.07	0.132	0.091	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	R-23i	400.3	12/03/08		F	CS	GENINORG	Bromide	Br(-1)	0.084	0.92	LANL Int BG LVL	0.03	1.4	0.067	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
C5	5	7	09/06/07	0.11	0.231	0.179	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	R-23i	400.3	12/03/08		F	CS	GENINORG	Perchlorate	ClO4	0.231	1.29	LANL Int BG LVL	0.05	2.3	0.05	ug/L	1		J	PE16a	SW-846:6850	GELC	
C5	7	12	03/15/04	1.34	32.4	14.65	12	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-20	907	12/19/08		UF	CS	GENINORG	Total Organic Carbon	TOC	1.34	0.09	LANL Reg BG LVL	0.33	2.0	0.33	mg/L	1				SW-846:9060	GELC	
C5	8	11	03/11/04	14.3	28.5	16.8	11	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-20	907	12/19/08		F	CS	METALS	Manganese	Mn	27.5	1.64	LANL Reg BG LVL	2.94	4.7	2	ug/L	1				SW-846:6010B	GELC	
C5	7	12	03/10/04	1.53	51.7	37.95	12	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-20	1149.7	12/18/08		UF	CS	GENINORG	Total Organic Carbon	TOC	2.53	0.07	LANL Reg BG LVL	0.33	3.8	0.33	mg/L	1				SW-846:9060	GELC	
C5	8	11	03/10/04	58	392	341	11	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-20	1149.7	12/18/08		F	CS	METALS	Manganese	Mn	63.8	0.19	LANL Reg BG LVL	2.94	10.9	2	ug/L	1		J	I10a	SW-846:6010B	GELC	
C5	12	18	03/01/04	0.346	4.87	1.31	16	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-32	870.9	12/15/08		UF	CS	GENINORG	Total Organic Carbon	TOC	1.37	1.05	LANL Reg BG LVL	0.33	2.1	0.33	mg/L	1				SW-846:9060	GELC	
C5	12	18	03/01/04	0.346	4.87	1.31	16	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-32	870.9	12/15/08	FD	UF	CS	GENINORG	Total Organic Carbon	TOC	1.18	0.90	LANL Reg BG LVL	0.33	1.8	0.33	mg/L	1				SW-846:9060	GELC	
C5	14	20	03/01/04	3.1	103	39.1	16	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-32	870.9	12/15/08		F	CS	METALS	Zinc	Zn	39.6	1.01	LANL Reg BG LVL	3.89	5.1	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	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comment
C5	14	20	03/01/04	3.1	103	39.1	16	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-32	870.9	12/15/08	FD	F	CS	METALS	Zinc	Zn	38.6	0.99	LANL Reg BG LVL	3.89	5.0	2	ug/L	1			SW-846:6010B	GELC		
C5	12	13	03/08/01	84.8	175	148.5	12	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-22	1273.5	12/18/08		F	CS	METALS	Barium	Ba	129	0.87	LANL Reg BG LVL	56.83	1.1	1	ug/L	1			SW-846:6010B	GELC		
C6	14	20	05/17/05	3.41	7.43	4.79	20	Sandia Canyon	Regional	R-11	855	11/05/08		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.43	1.13	EPA PRIM DW STD	10	1.1	0.25	mg/L	25			EPA:353.2	GELC		
C6	12	12	09/09/04	1.06	6.88	3.63	12	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate Spring	Bulldog Spring	0	12/10/08		UF	CS	HEXP	RDX	121-82-4	6.88	1.90	EPA TAP SCRNLVL C-5	6.112	2.3	0.13	ug/L	2			SW-846:8321A_MOD	GELC		
CA	2	4	10/09/08	2.54	11.9	7.2	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	11/20/08		UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	11.7	1.63	EPA PRIM DW STD	6	2.0	2.1	ug/L	1	J	SV7a	SW-846:8270C	GELC	new well; about 4 times first results	
CA	2	4	10/09/08	2.54	11.9	7.2	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	11/20/08	FD	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	11.9	1.65	EPA PRIM DW STD	6	2.0	2.1	ug/L	1	J	SV7a	SW-846:8270C	GELC	new well; about 4 times first results	
CA	6	8	11/29/00	8.58	18.5	11.2	7	White Rock Canyon and Rio Grande	Water Supply	Pajarito Well (Pump 1)	-1	10/16/08		UF	CS	METALS	Arsenic	As	14.8	1.32	EPA PRIM DW STD	10	1.5	1.5	ug/L	1			SW-846:6020	GELC	naturally occurring arsenic	

