

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

INTRODUCTION

This report provides preliminary information to the New Mexico Environment Department (NMED) concerning recent groundwater monitoring data obtained by the Los Alamos National Laboratory (the Laboratory) under its interim monitoring plan. This report contains results for chemical constituents that meet the seven screening criteria laid out in the Compliance Order on Consent (Consent Order), modified May 13, 2008. The report covers groundwater samples taken from wells or springs (listed in the accompanying table) that provide surveillance of the groundwater zones indicated in the table.

The report includes one table, *Table 1: NMED 8-10 Groundwater Report*. This table contains some values that are reported when they are detected for the first time since June 14, 2007, or are greater than other data collected since that time (as specified in the Consent Order). These reported data are often similar to data gathered before June 14, 2007. Over time, the data that exceed the reference data have decreased substantially.

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

The table includes sampling date, the name of the well or spring, the location of the well or spring, the depth of the screened interval, the groundwater zone sampled, analytical result, detection limit, values for regulatory standards or screening levels, and analytical and secondary validation qualifiers. Additional information describing the locations and analytical data is also included. All data have been through secondary validation. The definitions for abbreviations in the table may be found at <http://www.lanl.gov/environment/all/racer.shtml>.

In accordance with the Consent Order, the screening levels used include the U.S. Environmental Protection Agency (EPA) maximum contaminant levels (MCLs), the New Mexico groundwater standards, and the EPA Regional Screening Levels for tap water (for compounds having no other regulatory standard). In the table, the EPA Regional Screening Levels for tap water are identified as being for cancer (10^{-5} excess) or noncancer risk values. The data were screened using 10 times the EPA's 10^{-6} excess cancer risk values, as indicated in Section VIII.A.1 of the Consent Order.

Background levels applied in Criteria 2 and 5 are the most recent NMED-approved 95% upper tolerance limits for background for each groundwater zone as set forth in the "Groundwater Background Investigation Report," prepared under Section IV.A.3.d of the Consent Order.

DESCRIPTION OF TABLE

The table is divided into separate categories that correspond to the seven screening criteria in the Consent Order: these are labeled (in the first column) C1 through C6 for the numbered criteria and CA for cases where the concentration of a constituent in a well screen or spring has not previously exceeded either the New Mexico Water Quality Control Commission (NMWQCC) standard or the federal MCLs. Some data meet more than one criterion and appear in the table multiple times. The criteria are as follows:

CA. The Respondents shall notify the Department orally within one business day after review of the analytical data if such data show detection of a contaminant in a well screen interval or spring at a

concentration that exceeds either the NMWQCC water quality standard or the federal MCL if that contaminant has not previously exceeded such water quality standard or maximum contaminant level in such well screen interval or spring.

- C1. Detection of a contaminant that is an organic compound in a spring or screened interval of a well if that contaminant has not previously been detected in the spring or screened interval.
- C2. Detection of a contaminant that is a metal or other inorganic compound at a concentration above the background level in a spring or screened interval of a well if that contaminant has not previously exceeded the background level in the spring or screened interval.
- C3. Detection of a contaminant in a spring or screened interval of a well at a concentration that exceeds either one-half the New Mexico water quality standard or one-half the federal maximum contaminant level, or if there is no such standard for the contaminant, one-half the EPA Region 6 human health medium-specific screening level for tap water (now the EPA Regional Screening Levels for tap water), if that contaminant has not previously exceeded one-half such standard or screening level in the spring or screened interval.
- C4. Detection of perchlorate in a spring or screened interval of a well at a concentration of 2 µg/L or greater if perchlorate at such concentration has not previously been detected in the spring or screened interval.
- C5. Detection of a contaminant that is a metal or other inorganic compound in a spring or screened interval of a well at a concentration that exceeds 2 times the background level for the third consecutive sampling of the spring or screened interval.
- C6. Detection of a contaminant in a spring or screened interval of a well at a concentration that exceeds either one-half the New Mexico water quality standard or one-half the federal MCL, and that has increased for the third consecutive sampling of that spring or screened interval.

The next seven columns of the table give information on monitoring results obtained over a longer time frame than samples collected after June 14, 2007. The columns provide summary statistics on for the samples collected since January 1, 2000, for the same analyte and field preparation (for example, filtered samples). The information includes the date of first sampling event included in the statistics, the numbers of sampling events and samples analyzed, the number of detections, and the minimum, maximum, and median concentration for detections. This information indicates whether the new result is consistent with the range of earlier data.

The subsequent columns contain location and sampling information:

Hdr 1—canyon where monitoring location is found

Zone—groundwater zone sampled by monitoring location (such as alluvial spring)

Location—monitoring location name

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

Start Date—sample date

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

Fld Prep—identifies whether samples are filtered or unfiltered

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

Anyl Suite—gives analytical suite (such as volatile organic compounds) for analyzed compound

Analyte Desc—name of analyte

Analyte—chemical symbol for analyte or CAS (Chemical Abstracts Service) number for organic compounds

Std Result—the analytical result in standard measurement units

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

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

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

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

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

Std Mdl—the method detection limit in standard measurement units

Std UOM—the standard units of measurement

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

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

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

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

Anyl Meth Code—analytical method number

Lab Code—analytical laboratory name

Table 1: NMED 8-10 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Flt QC Type Code	Flt 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
C1	9	9	09/19/05	0.3	0.3	0.3	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	07/02/10		UF	CS	VOA	Toluene	108-88-3	0.3	1.00	NM GW STD	750	0.0	0.25	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC
C1	13	16	08/06/01	27.6	27.6	27.6	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	07/07/10		UF	CS	SVOA	Diethylphthalate	84-66-2	27.6	1.00	EPA TAP SCR N LVL N	29000	0.0	2.5	ug/L	1				SW-846:8270C	GELC
C1	13	14	08/07/01	24.9	24.9	24.9	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	07/07/10		UF	CS	SVOA	Diethylphthalate	84-66-2	24.9	1.00	EPA TAP SCR N LVL N	29000	0.0	2.3	ug/L	1				SW-846:8270C	GELC
C1	18	20	06/09/05	6.97	6.97	6.97	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689	07/07/10		UF	CS	VOA	Methylene Chloride	75-09-2	6.97	1.00	EPA MCL	5	1.4	3	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC
C1	6	9	02/28/09	41.7	41.7	41.7	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-45	880	07/02/10		UF	CS	SVOA	Diethylphthalate	84-66-2	41.7	1.00	EPA TAP SCR N LVL N	29000	0.0	2.1	ug/L	1				SW-846:8270C	GELC
C1	6	9	03/05/09	3.74	3.74	3.74	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-45	974.9	07/02/10		UF	CS	SVOA	Diethylphthalate	84-66-2	3.74	1.00	EPA TAP SCR N LVL N	29000	0.0	2.2	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC
C1	2	4	04/19/10	11.7	11.7	11.7	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-53	849.2	07/26/10		UF	CS	SVOA	Diethylphthalate	84-66-2	11.7	1.00	EPA TAP SCR N LVL N	29000	0.0	2.1	ug/L	1				SW-846:8270C	GELC
C1	2	4	04/19/10	39.4	40.3	39.9	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-53	849.2	07/26/10		UF	CS	VOA	Acetone	67-64-1	39.4	0.99	EPA TAP SCR N LVL N	22000	0.0	3.5	ug/L	1				SW-846:8260B	GELC
C1	2	4	04/19/10	39.4	40.3	39.9	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-53	849.2	07/26/10	FD	UF	CS	VOA	Acetone	67-64-1	40.3	1.01	EPA TAP SCR N LVL N	22000	0.0	3.5	ug/L	1				SW-846:8260B	GELC
C1	10	21	11/30/07	16	16	16	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-20	904.6	06/15/10		UF	CS	VOA	Butanol[1-]	71-36-3	16	1.00	EPA TAP SCR N LVL N	3700	0.0	15	ug/L	1	J	J	V7b	SW-846:8260B	GELC
C1	3	5	02/15/10	3.32	3.85	3.59	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	830	07/27/10	FD	UF	CS	SVOA	Methylphenol[4-]	106-44-5	3.85	1.07	EPA TAP SCR N LVL N	180	0.0	3.1	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC
C1	3	5	02/15/10	3.32	3.85	3.59	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	830	07/27/10		UF	CS	SVOA	Methylphenol[4-]	106-44-5	3.32	0.92	EPA TAP SCR N LVL N	180	0.0	3.1	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC
C2	7	7	11/10/08	0.028	0.08	0.054	2	Sandia Canyon	Regional	R-43	969.1	07/15/10		F	CS	GENINORG	Ammonia as Nitrogen	NH3-N	0.08	1.48	LANL Reg BG LVL	0.05	1.6	0.016	mg/L	1		J-	I6a	EPA:350.1	GELC
C2	13	15	10/12/06	2.1	8.22	3.55	12	Sandia Canyon	Regional	R-10	874	05/05/10		F	CS	METALS	Chromium	Cr	8.22	2.32	LANL Reg BG LVL	5.75	1.4	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC
C2	15	18	06/29/06	1.5	7.38	3.2	14	Sandia Canyon	Regional	R-10	1042	05/05/10		F	CS	METALS	Chromium	Cr	7.38	2.31	LANL Reg BG LVL	5.75	1.3	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC
C2	17	18	08/02/01	0.656	5.76	1.03	7	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	21	07/06/10		F	CS	METALS	Chromium	Cr	5.76	5.59	LANL Avl BG LVL	1	5.8	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC
C2	12	20	07/10/06	0.033	0.124	0.038	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10	FD	F	CS	GENINORG	Ammonia as Nitrogen	NH3-N	0.124	3.26	LANL Avl BG LVL	0.04	3.1	0.016	mg/L	1		J-	I6a	EPA:350.1	GELC
C2	9	9	04/20/05	2.3	2.3	2.3	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MT-3	44	07/09/10		F	CS	METALS	Manganese	Mn	2.3	1.00	LANL Avl BG LVL	2	1.2	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC
C2	20	22	06/09/05	45.4	62.4	49	22	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689	07/07/10		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	53	1.08	LANL Int BG LVL	52	1.0	0.73	mg/L	1				EPA:310.1	GELC
C2	7	7	02/28/09	3	3.57	3.36	7	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-45	880	07/02/10		F	CS	GENINORG	Chloride	Cl(-1)	3.57	1.06	LANL Reg BG LVL	3.57	1.0	0.066	mg/L	1				EPA:300.0	GELC
C2	3	3	03/06/10	44.1	44.1	44.1	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-50	1077	07/02/10		F	CS	METALS	Iron	Fe	44.1	1.00	LANL Reg BG LVL	21	2.1	30	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC
C2	3	5	03/11/10	4.56	7.27	5.33	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-50	1185	07/02/10		F	CS	METALS	Chromium	Cr	7.27	1.36	LANL Reg BG LVL	5.75	1.3	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC
C2	3	3	03/11/10	1.69	4.32	3.01	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-50	1185	07/02/10		F	CS	METALS	Molybdenum	Mo	4.32	1.44	LANL Reg BG LVL	2	2.2	0.1	ug/L	1		J	I4a	SW-846:6020	GELC
C2	20	23	06/07/05	3	7.76	4.88	15	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-34	883.7	05/06/10		F	CS	METALS	Chromium	Cr	7.76	1.59	LANL Reg BG LVL	5.75	1.4	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC
C2	2	2	04/19/10	37.1	37.1	37.1	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-53	849.2	07/26/10		F	CS	METALS	Manganese	Mn	37.1	1.00	LANL Reg BG LVL	2.94	12.6	2	ug/L	1				SW-846:6010B	GELC
C2	2	2	04/19/10	1.24	2.29	1.77	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-53	849.2	07/26/10		F	CS	METALS	Molybdenum	Mo	2.29	1.29	LANL Reg BG LVL	2	1.2	0.1	ug/L	1				SW-846:6020	GELC
C2	2	2	04/19/10	221	221	221	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-53	849.2	07/26/10		F	CS	METALS	Zinc	Zn	221	1.00	LANL Reg BG LVL	3.89	56.8	3.3	ug/L	1				SW-846:6010B	GELC
C2	2	2	04/14/10	0.064	0.064	0.064	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-53	959.7	07/26/10		F	CS	GENINORG	Ammonia as Nitrogen	NH3-N	0.064	1.00	LANL Reg BG LVL	0.05	1.3	0.016	mg/L	1		J-	I6a	EPA:350.1	GELC
C2	2	2	04/14/10	10.5	10.5	10.5	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-53	959.7	07/26/10		F	CS	METALS	Zinc	Zn	10.5	1.00	LANL Reg BG LVL	3.89	2.7	3.3	ug/L	1				SW-846:6010B	GELC
C2	7	10	03/19/04	2.34	7.12	6.22	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-16	1237	07/12/10		F	CS	GENINORG	Chloride	Cl(-1)	7.12	1.14	LANL Reg BG LVL	3.57	2.0	0.066	mg/L	1				EPA:300.0	GELC
C2	6	10	03/19/04	0.585	2.49	2.065	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-16	1237	07/12/10		UF	CS	GENINORG	Total Organic Carbon	TOC	0.585	0.28	LANL Reg BG LVL	0.33	1.8	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC
C2	7	10	03/19/04	14.1	44.5	26	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-16	1237	07/12/10		F	CS	METALS	Iron	Fe	44.5	1.71	LANL Reg BG LVL	21	2.1	30	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC
C2	12	13	10/11/06	1.1	3.62	2	5	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	R-23i	524	06/16/10		F	CS	METALS	Chromium	Cr	3.62	1.81	LANL Int BG LVL	1	3.6	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC
C2	3	3	02/15/10	2.75	4.49	3.24	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	830	07/27/10		F	CS	GENINORG	Magnesium	Mg	4.49	1.39	LANL Reg BG LVL	4.15	1.1	0.085	mg/L	1				SW-846:6010B	GELC
C2	1	1	07/01/10	0.472	0.472	0.472	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	910	07/01/10		UF	CS	GENINORG	Total Organic Carbon	TOC	0.472	1.00	LANL Reg BG LVL	0.33	1.4	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC
C2	1	1	07/01/10	201	201	201	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	910	07/01/10		F	CS	METALS	Aluminum	Al	201	1.00	LANL Reg BG LVL	68	3.0	68	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	Flt QC Type Code	Flt 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
C2	1	1	07/01/10	54	54	54	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	910	07/01/10		F	CS	METALS	Iron	Fe	54	1.00	LANL Reg BG LVL	21	2.6	30	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC
C2	1	1	07/01/10	13.7	13.7	13.7	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	910	07/01/10		F	CS	METALS	Manganese	Mn	13.7	1.00	LANL Reg BG LVL	2.94	4.7	2	ug/L	1				SW-846:6010B	GELC
C2	1	1	06/25/10	0.353	0.353	0.353	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	971.5	06/25/10		UF	CS	GENINORG	Total Organic Carbon	TOC	0.353	1.00	LANL Reg BG LVL	0.33	1.1	0.33	mg/L	1	J	J	J_LAB	SW-846:9060	GELC
C2	1	1	06/25/10	35.8	35.8	35.8	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	971.5	06/25/10		F	CS	METALS	Iron	Fe	35.8	1.00	LANL Reg BG LVL	21	1.7	30	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC
C2	1	1	06/25/10	9.42	9.42	9.42	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	971.5	06/25/10		F	CS	METALS	Manganese	Mn	9.42	1.00	LANL Reg BG LVL	2.94	3.2	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC
C3	12	12	09/19/05	6.3	35.6	12.1	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	07/02/10		F	CS	METALS	Cobalt	Co	35.6	2.94	NM GW STD	50	1.4	1	ug/L	1				SW-846:6010B	GELC
C3	20	25	06/30/03	18.6	137	59.6	25	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	07/06/10		F	CS	GENINORG	Chloride	Cl(-1)	137	2.30	NM GW STD	250	1.1	1.3	mg/L	20				EPA:300.0	GELC
C3	20	25	06/30/03	18.6	137	59.6	25	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	07/06/10	FD	F	CS	GENINORG	Chloride	Cl(-1)	128	2.15	NM GW STD	250	1.0	1.3	mg/L	20				EPA:300.0	GELC
C3	18	20	06/09/05	6.97	6.97	6.97	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689	07/07/10		UF	CS	VOA	Methylene Chloride	75-09-2	6.97	1.00	EPA MCL	5	2.8	3	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC
C3	20	23	06/07/05	1.7	5.2	2.2	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-34	883.7	05/06/10		F	CS	METALS	Arsenic	As	5.2	2.36	EPA MCL	10	1.0	1.5	ug/L	1				SW-846:6020	GELC
C3	3	3	02/15/10	101	1940	133	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	830	07/27/10		F	CS	METALS	Iron	Fe	1940	14.59	NM GW STD	1000	3.9	30	ug/L	1				SW-846:6010B	GELC
C3	3	3	02/15/10	42.1	216	80.2	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	830	07/27/10		F	CS	METALS	Manganese	Mn	216	2.69	NM GW STD	200	2.2	2	ug/L	1				SW-846:6010B	GELC
C5	16	17	01/11/07	0.937	1.53	1.24	17	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10		F	CS	GENINORG	Bromide	Br(-1)	0.937	0.76	LANL Int BG LVL	0.03	15.6	0.066	mg/L	1				EPA:300.0	GELC
C5	16	17	01/11/07	0.937	1.53	1.24	17	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10	FD	F	CS	GENINORG	Bromide	Br(-1)	0.957	0.77	LANL Int BG LVL	0.03	16.0	0.066	mg/L	1				EPA:300.0	GELC
C5	16	19	01/11/07	67.8	87.6	76.6	18	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10	FD	F	CS	GENINORG	Calcium	Ca	69.4	0.91	LANL Int BG LVL	17.31	2.0	0.05	mg/L	1				SW-846:6010B	GELC
C5	16	19	01/11/07	67.8	87.6	76.6	18	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10		F	CS	GENINORG	Calcium	Ca	71.3	0.93	LANL Int BG LVL	17.31	2.1	0.05	mg/L	1				SW-846:6010B	GELC
C5	16	17	01/11/07	80.5	98.7	87.4	17	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10	FD	F	CS	GENINORG	Chloride	Cl(-1)	80.5	0.92	LANL Int BG LVL	7.78	5.2	0.66	mg/L	10				EPA:300.0	GELC
C5	16	17	01/11/07	80.5	98.7	87.4	17	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10		F	CS	GENINORG	Chloride	Cl(-1)	84.5	0.97	LANL Int BG LVL	7.78	5.4	0.66	mg/L	10				EPA:300.0	GELC
C5	16	17	01/11/07	0.868	1.58	1.17	17	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10		F	CS	GENINORG	Perchlorate	CIO4	0.983	0.84	LANL Int BG LVL	0.05	9.8	0.05	ug/L	1				SW-846:6850	GELC
C5	16	17	01/11/07	0.868	1.58	1.17	17	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10	FD	F	CS	GENINORG	Perchlorate	CIO4	0.947	0.81	LANL Int BG LVL	0.05	9.5	0.05	ug/L	1				SW-846:6850	GELC
C5	16	19	01/11/07	50.7	65.1	54.2	18	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10		F	CS	GENINORG	Sodium	Na	65.1	1.20	LANL Int BG LVL	12.19	2.7	0.1	mg/L	1				SW-846:6010B	GELC
C5	16	19	01/11/07	50.7	65.1	54.2	18	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10	FD	F	CS	GENINORG	Sodium	Na	63	1.16	LANL Int BG LVL	12.19	2.6	0.1	mg/L	1				SW-846:6010B	GELC
C5	16	17	01/11/07	0.404	1.45	0.85	16	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.937	1.10	LANL Int BG LVL	0.08	5.9	0.015	mg/L	1		J	I4a	EPA:365.4	GELC
C5	16	17	01/11/07	0.404	1.45	0.85	16	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10	FD	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	1.45	1.71	LANL Int BG LVL	0.08	9.1	0.015	mg/L	1		J	I4a	EPA:365.4	GELC
C5	16	17	01/11/07	86.4	112	103	17	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10		F	CS	GENINORG	Sulfate	SO4(-2)	89.9	0.87	LANL Int BG LVL	40.03	1.1	1	mg/L	10				EPA:300.0	GELC
C5	16	17	01/11/07	86.4	112	103	17	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10	FD	F	CS	GENINORG	Sulfate	SO4(-2)	86.4	0.84	LANL Int BG LVL	40.03	1.1	1	mg/L	10				EPA:300.0	GELC
C5	16	17	01/11/07	455	536	489	17	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10		F	CS	GENINORG	Total Dissolved Solids	TDS	484	0.99	LANL Int BG LVL	127	1.9	2.4	mg/L	1				EPA:160.1	GELC
C5	16	17	01/11/07	455	536	489	17	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10	FD	F	CS	GENINORG	Total Dissolved Solids	TDS	489	1.00	LANL Int BG LVL	127	1.9	2.4	mg/L	1				EPA:160.1	GELC
C5	16	19	01/11/07	79.8	98	88.5	17	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10	FD	F	CS	METALS	Boron	B	82.4	0.93	LANL Int BG LVL	15.12	2.7	15	ug/L	1				SW-846:6010B	GELC
C5	16	19	01/11/07	79.8	98	88.5	17	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10		F	CS	METALS	Boron	B	82.8	0.94	LANL Int BG LVL	15.12	2.7	15	ug/L	1				SW-846:6010B	GELC
C5	16	20	01/11/07	11	22.1	14.4	20	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10	FD	F	CS	METALS	Chromium	Cr	15.4	1.07	LANL Int BG LVL	1	7.7	2.5	ug/L	1				SW-846:6020	GELC
C5	16	20	01/11/07	11	22.1	14.4	20	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10		F	CS	METALS	Chromium	Cr	16.8	1.17	LANL Int BG LVL	1	8.4	2.5	ug/L	1				SW-846:6020	GELC
C5	16	18	01/11/07	43.9	97	70.6	18	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10	FD	F	CS	METALS	Molybdenum	Mo	97	1.37	LANL Int BG LVL	2	24.3	0.1	ug/L	1				SW-846:6020	GELC
C5	16	18	01/11/07	43.9	97	70.6	18	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10		F	CS	METALS	Molybdenum	Mo	96.8	1.37	LANL Int BG LVL	2	24.2	0.1	ug/L	1				SW-846:6020	GELC
C5	16	17	01/11/07	4.3	8.1	5.8	17	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10		F	CS	METALS	Nickel	Ni	6.26	1.08	LANL Int BG LVL	1	3.1	0.5	ug/L	1				SW-846:6020	GELC
C5	16	17	01/11/07	4.3	8.1	5.8	17	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10	FD	F	CS	METALS	Nickel	Ni	6.02	1.04	LANL Int BG LVL	1	3.0	0.5	ug/L	1				SW-846:6020	GELC
C5	16	17	01/11/07	1.8	3.05	2.6	17	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10		F	CS	METALS	Uranium	U	2.76	1.06	LANL Int BG LVL	0.72	1.9	0.05	ug/L	1				SW-846:6020	GELC
C5	16	17	01/11/07	1.8	3.05	2.6	17	Sandia Canyon	Intermediate	SCI-1	358.4	07/12/10	FD	F	CS	METALS	Uranium	U	2.83	1.09	LANL Int BG LVL	0.72	2.0	0.05	ug/L	1				SW-846:6020	GELC
C5	9	11	10/21/08	0.194	0.498	0.435	11	Sandia Canyon	Intermediate	SCI-2	548	07/15/10		F	CS	GENINORG	Bromide	Br(-1)	0.465	1.07	LANL Int BG LVL	0.03	7.8	0.066	mg/L	1				EPA:300.0	GELC
C5	9	13	10/21/08	59.5	66.7	63	13	Sandia Canyon	Intermediate	SCI-2	548	07/15/10		F	CS	GENINORG	Calcium	Ca	63.4	1.01	LANL Int BG LVL	17.31	1.8	0.05	mg/L	1				SW-846:6010B	GELC
C5	9	11	10/21/08	53.4	62.1	56	11	Sandia Canyon	Intermediate	SCI-2	548	07/15/10		F	CS	GENINORG	Chloride	Cl(-1)	57.3	1.02	LANL Int BG LVL	7.78	3.7	0.66	mg/L	10				EPA:300.0	GELC
C5	9	11	10/21/08	0.936	1.12	0.986	11	Sandia Canyon	Intermediate	SCI-2	548	07/15/10		F	CS	GENINORG	Perchlorate	CIO4	1.08	1.10	LANL Int BG LVL	0.05	10.8	0.1	ug/L	2				SW-846:6850	GELC
C5	9	13	10/21/08	13.1	15.4	14	11	Sandia Canyon	Intermediate	SCI-2	548	07/15/10		F	CS	GENINORG	Magnesium	Mg	14.7	1.05	LANL Int BG LVL	6.12	1.2	0.085	mg/L	1				SW-846:6010B	GELC
C5	9	11	10/21/08	83.3	101	87.1	11	Sandia Canyon	Intermediate	SCI-2	548	07/15/10		F	CS	GENINORG	Sulfate	SO4(-2)	87.5	1.00	LANL Int BG LVL	40.03	1.1	1	mg/L	10				EPA:300.0	GELC
C5	9	11	10/21/08	354	451	411	11	Sandia Canyon	Intermediate	SCI-2	548	07/15/10		F	CS	GENINORG	Total Dissolved Solids	TDS	426	1.04	LANL Int BG LVL	127	1.7	2.4	mg/L	1				EPA:160.1	GELC
C5	9	19	10/21/08	471	658	562	19	Sandia Canyon	Intermediate	SCI-2	548	07/15/10		F	CS	METALS	Chromium	Cr	545	0.97	LANL Int BG LVL	1	272.5	2.5	ug/L	1				SW-846:6020	GELC
C5	9	13	10/21/08	14.5	19.3	16.4	13	Sandia Canyon	Intermediate	SCI-2	548	07/15/10		F	CS	METALS	Nickel	Ni	19.3	1.18	LANL Int BG LVL	1	9.7	0.5	ug/L	1				SW-846:6020	GELC
C5	7	7	11/05/08	5.21	6.03	5.58	6	Sandia Canyon	Regional	R-43	903.9	07/15/10		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.71												

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Flt QC Type Code	Flt 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
C5	10	12	05/12/08	1.43	1.74	1.6	12	Sandia Canyon	Regional	R-36	766.9	07/12/10		F	CS	GENINORG	Perchlorate	ClO4	1.55	0.97	LANL Reg BG LVL	0.46	1.7	0.2	ug/L	4			SW-846:6850	GELC	
C5	10	12	05/12/08	2.06	2.49	2.29	12	Sandia Canyon	Regional	R-36	766.9	07/12/10		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.26	0.99	LANL Reg BG LVL	0.89	1.3	0.1	mg/L	10			EPA:353.2	GELC	
C5	10	12	05/12/08	49.9	75.3	67.1	12	Sandia Canyon	Regional	R-36	766.9	07/12/10		F	CS	METALS	Zinc	Zn	49.9	0.74	LANL Reg BG LVL	3.89	6.4	3.3	ug/L	1			SW-846:6010B	GELC	
C5	13	14	10/12/06	7.9	37.6	11.4	14	Sandia Canyon	Regional	R-10	874	05/05/10		F	CS	METALS	Zinc	Zn	11.3	0.99	LANL Reg BG LVL	3.89	1.5	3.3	ug/L	1			SW-846:6010B	GELC	
C5	15	15	06/29/06	6.6	48.7	10.4	15	Sandia Canyon	Regional	R-10	1042	05/05/10		F	CS	METALS	Zinc	Zn	12	1.15	LANL Reg BG LVL	3.89	1.5	3.3	ug/L	1			SW-846:6010B	GELC	
C5	18	20	11/30/05	6.7	111	9.3	19	Sandia Canyon	Regional	R-10a	690	05/05/10		F	CS	METALS	Zinc	Zn	11.5	1.24	LANL Reg BG LVL	3.89	1.5	3.3	ug/L	1			SW-846:6010B	GELC	
C5	12	12	09/19/05	155	739	342	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	07/02/10		F	CS	GENINORG	Chloride	Cl(-1)	616	1.80	LANL Avi BG LVL	69.76	4.4	6.6	mg/L	100			EPA:300.0	GELC	
C5	12	12	09/19/05	8.67	24.2	12.6	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	07/02/10		F	CS	GENINORG	Potassium	K	19.3	1.53	LANL Avi BG LVL	5.21	1.9	0.05	mg/L	1			SW-846:6010B	GELC	
C5	12	12	09/19/05	164	481	281	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	07/02/10		F	CS	GENINORG	Sodium	Na	362	1.29	LANL Avi BG LVL	15.54	11.7	0.1	mg/L	1			SW-846:6010B	GELC	
C5	12	15	09/19/05	590	1650	989	15	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	07/02/10		F	CS	GENINORG	Total Dissolved Solids	TDS	1560	1.58	LANL Avi BG LVL	139	5.6	4.8	mg/L	1			EPA:160.1	GELC	
C5	12	12	09/19/05	154	694	271	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	07/02/10		F	CS	METALS	Barium	Ba	670	2.47	LANL Avi BG LVL	68.57	4.9	1	ug/L	1			SW-846:6010B	GELC	
C5	12	12	09/19/05	6.3	35.6	12.1	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	07/02/10		F	CS	METALS	Cobalt	Co	35.6	2.94	LANL Avi BG LVL	0.5	35.6	1	ug/L	1			SW-846:6010B	GELC	
C5	12	12	09/19/05	1460	7800	2350	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	07/02/10		F	CS	METALS	Manganese	Mn	7800	3.32	LANL Avi BG LVL	2	1950.0	2	ug/L	1			SW-846:6010B	GELC	
C5	12	12	09/19/05	14	94.1	18.1	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	07/02/10		F	CS	METALS	Nickel	Ni	94.1	5.20	LANL Avi BG LVL	1	47.1	2.5	ug/L	5			SW-846:6020	GELC	
C5	12	12	09/19/05	13.5	85.9	20.6	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	07/02/10		F	CS	METALS	Zinc	Zn	18.8	0.91	LANL Avi BG LVL	2	4.7	3.3	ug/L	1			SW-846:6010B	GELC	
C5	10	16	07/17/00	3.871000051	208	25.35	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	07/01/10		F	CS	GENINORG	Potassium	K	46	1.81	LANL Avi BG LVL	5.21	4.4	0.05	mg/L	1			SW-846:6010B	GELC	
C5	10	16	07/17/00	36.05599976	1690	140.5	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	07/01/10		F	CS	GENINORG	Sodium	Na	161	1.15	LANL Avi BG LVL	15.54	5.2	0.1	mg/L	1			SW-846:6010B	GELC	
C5	10	16	07/17/00	1.53	12.3	2.88	15	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	07/01/10		F	CS	METALS	Cobalt	Co	5.31	1.84	LANL Avi BG LVL	0.5	5.3	1	ug/L	1			SW-846:6010B	GELC	
C5	10	16	07/17/00	181	2530	463	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	07/01/10		F	CS	METALS	Manganese	Mn	694	1.50	LANL Avi BG LVL	2	173.5	2	ug/L	1			SW-846:6010B	GELC	
C5	10	16	07/17/00	9	400.9999931	138.5	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	07/01/10		F	CS	METALS	Molybdenum	Mo	80.3	0.58	LANL Avi BG LVL	2	20.1	0.1	ug/L	1			SW-846:6020	GELC	
C5	10	16	07/17/00	2.88	19.4	6.2	15	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	07/01/10		F	CS	METALS	Nickel	Ni	6.08	0.98	LANL Avi BG LVL	1	3.0	0.5	ug/L	1			SW-846:6020	GELC	
C5	10	16	07/17/00	7.6	248	29.8	15	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	07/01/10		F	CS	METALS	Zinc	Zn	16.2	0.54	LANL Avi BG LVL	2	4.1	3.3	ug/L	1			SW-846:6010B	GELC	
C5	25	32	04/21/05	3.3	44.3	16.2	32	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	07/06/10		F	CS	GENINORG	Perchlorate	ClO4	8.72	0.54	LANL Avi BG LVL	0.05	87.2	1	ug/L	20			SW-846:6850	GELC	
C5	25	32	04/21/05	3.3	44.3	16.2	32	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	07/06/10	FD	F	CS	GENINORG	Perchlorate	ClO4	9.1	0.56	LANL Avi BG LVL	0.05	91.0	1	ug/L	20			SW-846:6850	GELC	
C5	16	21	06/30/03	42.8	80.7	54.5	21	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	07/06/10	FD	F	CS	GENINORG	Sodium	Na	64.6	1.19	LANL Avi BG LVL	15.54	2.1	0.1	mg/L	1			SW-846:6010B	GELC	
C5	16	21	06/30/03	42.8	80.7	54.5	21	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	07/06/10		F	CS	GENINORG	Sodium	Na	67.4	1.24	LANL Avi BG LVL	15.54	2.2	0.1	mg/L	1			SW-846:6010B	GELC	
C5	16	21	06/30/03	18.4	72.9	38.7	21	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	07/06/10		F	CS	METALS	Molybdenum	Mo	19.3	0.50	LANL Avi BG LVL	2	4.8	0.1	ug/L	1			SW-846:6020	GELC	
C5	16	21	06/30/03	18.4	72.9	38.7	21	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	07/06/10	FD	F	CS	METALS	Molybdenum	Mo	18.4	0.48	LANL Avi BG LVL	2	4.6	0.1	ug/L	1			SW-846:6020	GELC	
C5	13	13	05/03/05	5.57	24.4	14.3	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	21	07/06/10		F	CS	GENINORG	Perchlorate	ClO4	8.27	0.58	LANL Avi BG LVL	0.05	82.7	1	ug/L	20			SW-846:6850	GELC	
C5	18	19	08/02/01	0.638	1.18	0.934	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	21	07/06/10		F	CS	GENINORG	Fluoride	F(-1)	0.638	0.68	LANL Avi BG LVL	0.27	1.2	0.033	mg/L	1			EPA:300.0	GELC	
C5	17	18	08/02/01	11.3	15.7	14.2	18	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	21	07/06/10		F	CS	GENINORG	Potassium	K	14.9	1.05	LANL Avi BG LVL	5.21	1.4	0.05	mg/L	1			SW-846:6010B	GELC	
C5	17	18	08/02/01	46.3	77.4	58.1	18	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	21	07/06/10		F	CS	GENINORG	Sodium	Na	59.1	1.02	LANL Avi BG LVL	15.54	1.9	0.1	mg/L	1			SW-846:6010B	GELC	
C5	18	24	08/02/01	251	493	301	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	21	07/06/10		F	CS	GENINORG	Total Dissolved Solids	TDS	409	1.36	LANL Avi BG LVL	139	1.5	2.4	mg/L	1			EPA:160.1	GELC	
C5	17	18	08/02/01	20.6	81.3	43	18	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	21	07/06/10		F	CS	METALS	Molybdenum	Mo	20.6	0.48	LANL Avi BG LVL	2	5.2	0.1	ug/L	1			SW-846:6020	GELC	
C5	26	31	04/27/05	4.61	31.7	21.7	31	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	07/07/10		F	CS	GENINORG	Perchlorate	ClO4	7.31	0.34	LANL Avi BG LVL	0.05	73.1	0.5	ug/L	10			SW-846:6850	GELC	
C5	47	55	02/24/00	0.742	1.51	1.08	55	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	07/07/10		F	CS	GENINORG	Fluoride	F(-1)	0.742	0.69	LANL Avi BG LVL	0.27	1.4	0.033	mg/L	1			EPA:300.0	GELC	
C5	18	21	08/06/01	12.7	16.6	15	21	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	07/07/10		F	CS	GENINORG	Potassium	K	14.5	0.97	LANL Avi BG LVL	5.21	1.4	0.05	mg/L	1			SW-846:6010B	GELC	
C5	18	21	08/06/01	50.3	71.3	61.6	21	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	07/07/10		F	CS	GENINORG	Sodium	Na	60.7	0.99	LANL Avi BG LVL	15.54	2.0	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	Flt QC Type Code	Flt 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
C5	18	21	08/06/01	27.1	89.7	46.8	21	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	07/07/10		F	CS	METALS	Molybdenum	Mo	30.3	0.65	LANL Avl BG LVL	2	7.6	0.1	ug/L	1				SW-846:6020	GELC
C5	25	30	04/28/05	7.26	47.5	26.55	30	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	07/07/10		F	CS	GENINORG	Perchlorate	CIO4	8.21	0.31	LANL Avl BG LVL	0.05	82.1	1	ug/L	20				SW-846:6850	GELC
C5	48	57	02/24/00	0.894	2.13	1.33	56	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	07/07/10		F	CS	GENINORG	Fluoride	F(-1)	0.894	0.67	LANL Avl BG LVL	0.27	1.7	0.033	mg/L	1				EPA:300.0	GELC
C5	18	20	08/07/01	11.5	19.4	16.7	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	07/07/10		F	CS	GENINORG	Potassium	K	17.3	1.04	LANL Avl BG LVL	5.21	1.7	0.05	mg/L	1				SW-846:6010B	GELC
C5	48	58	02/24/00	1.11	12.5	3.12	57	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	07/07/10		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.34	0.43	LANL Avl BG LVL	0.57	1.2	0.05	mg/L	5				EPA:353.2	GELC
C5	18	20	08/07/01	43.1	79.3	59.7	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	07/07/10		F	CS	GENINORG	Sodium	Na	55.7	0.93	LANL Avl BG LVL	15.54	1.8	0.1	mg/L	1				SW-846:6010B	GELC
C5	22	24	08/07/01	0.04	0.416	0.288	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	07/07/10		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.264	0.92	LANL Avl BG LVL	0.05	2.6	0.015	mg/L	1		J	I4a	EPA:365.4	GELC
C5	44	59	10/30/00	220	366	305	59	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	07/07/10		F	CS	GENINORG	Total Dissolved Solids	TDS	292	0.96	LANL Avl BG LVL	139	1.1	2.4	mg/L	1				EPA:160.1	GELC
C5	18	20	08/07/01	154	211	191	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	07/07/10		F	CS	METALS	Barium	Ba	196	1.03	LANL Avl BG LVL	68.57	1.4	1	ug/L	1				SW-846:6010B	GELC
C5	18	20	08/07/01	34.6	92.1	65.7	20	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	07/07/10		F	CS	METALS	Molybdenum	Mo	35.8	0.54	LANL Avl BG LVL	2	9.0	0.1	ug/L	1				SW-846:6020	GELC
C5	14	22	04/28/05	10.9	58	21.6	22	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10	FD	F	CS	GENINORG	Perchlorate	CIO4	11	0.51	LANL Avl BG LVL	0.05	110.0	1	ug/L	20				SW-846:6850	GELC
C5	14	22	04/28/05	10.9	58	21.6	22	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10		F	CS	GENINORG	Perchlorate	CIO4	10.9	0.50	LANL Avl BG LVL	0.05	109.0	1	ug/L	20				SW-846:6850	GELC
C5	16	25	08/07/01	1.06	1.77	1.35	25	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10		F	CS	GENINORG	Fluoride	F(-1)	1.06	0.79	LANL Avl BG LVL	0.27	2.0	0.033	mg/L	1				EPA:300.0	GELC
C5	16	25	08/07/01	1.06	1.77	1.35	25	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10	FD	F	CS	GENINORG	Fluoride	F(-1)	1.06	0.79	LANL Avl BG LVL	0.27	2.0	0.033	mg/L	1				EPA:300.0	GELC
C5	16	24	08/07/01	7.07	16.6	12.65	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10	FD	F	CS	GENINORG	Potassium	K	13.2	1.04	LANL Avl BG LVL	5.21	1.3	0.05	mg/L	1				SW-846:6010B	GELC
C5	16	24	08/07/01	7.07	16.6	12.65	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10		F	CS	GENINORG	Potassium	K	12.8	1.01	LANL Avl BG LVL	5.21	1.2	0.05	mg/L	1				SW-846:6010B	GELC
C5	16	24	08/07/01	1.39	7.85	2.12	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10	FD	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.54	0.73	LANL Avl BG LVL	0.57	1.4	0.1	mg/L	10				EPA:353.2	GELC
C5	16	24	08/07/01	1.39	7.85	2.12	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.54	0.73	LANL Avl BG LVL	0.57	1.4	0.1	mg/L	10				EPA:353.2	GELC
C5	16	24	08/07/01	54	83.5	61.8	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10		F	CS	GENINORG	Sodium	Na	61.9	1.00	LANL Avl BG LVL	15.54	2.0	0.1	mg/L	1				SW-846:6010B	GELC
C5	16	24	08/07/01	54	83.5	61.8	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10	FD	F	CS	GENINORG	Sodium	Na	62	1.00	LANL Avl BG LVL	15.54	2.0	0.1	mg/L	1				SW-846:6010B	GELC
C5	16	28	08/07/01	239	326	278	28	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10	FD	F	CS	GENINORG	Total Dissolved Solids	TDS	307	1.10	LANL Avl BG LVL	139	1.1	2.4	mg/L	1				EPA:160.1	GELC
C5	16	28	08/07/01	239	326	278	28	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10		F	CS	GENINORG	Total Dissolved Solids	TDS	302	1.09	LANL Avl BG LVL	139	1.1	2.4	mg/L	1				EPA:160.1	GELC
C5	16	24	08/07/01	116	189	167	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10		F	CS	METALS	Barium	Ba	173	1.04	LANL Avl BG LVL	68.57	1.3	1	ug/L	1				SW-846:6010B	GELC
C5	16	24	08/07/01	116	189	167	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10	FD	F	CS	METALS	Barium	Ba	185	1.11	LANL Avl BG LVL	68.57	1.4	1	ug/L	1				SW-846:6010B	GELC
C5	16	24	08/07/01	43.7	108	54.8	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10		F	CS	METALS	Molybdenum	Mo	43.7	0.80	LANL Avl BG LVL	2	10.9	0.1	ug/L	1				SW-846:6020	GELC
C5	16	24	08/07/01	43.7	108	54.8	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10	FD	F	CS	METALS	Molybdenum	Mo	43.7	0.80	LANL Avl BG LVL	2	10.9	0.1	ug/L	1				SW-846:6020	GELC
C5	16	24	08/07/01	2	8.08	2.39	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10		F	CS	METALS	Nickel	Ni	2.09	0.87	LANL Avl BG LVL	1	1.1	0.5	ug/L	1				SW-846:6020	GELC
C5	16	24	08/07/01	2	8.08	2.39	24	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7.5	35	07/08/10	FD	F	CS	METALS	Nickel	Ni	2.1	0.88	LANL Avl BG LVL	1	1.1	0.5	ug/L	1				SW-846:6020	GELC
C5	9	9	04/20/05	14.1	103	28.5	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MT-3	44	07/09/10		F	CS	GENINORG	Perchlorate	CIO4	23.3	0.82	LANL Avl BG LVL	0.05	233.0	2.5	ug/L	50				SW-846:6850	GELC
C5	9	9	04/20/05	1.36	1.85	1.56	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MT-3	44	07/09/10		F	CS	GENINORG	Fluoride	F(-1)	1.36	0.87	LANL Avl BG LVL	0.27	2.5	0.033	mg/L	1		J-	I6a	EPA:300.0	GELC
C5	9	9	04/20/05	8.86	12.3	10.4	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MT-3	44	07/09/10		F	CS	GENINORG	Potassium	K	11.5	1.11	LANL Avl BG LVL	5.21	1.1	0.05	mg/L	1				SW-846:6010B	GELC
C5	9	9	04/20/05	1.53	4.4	2.39	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MT-3	44	07/09/10		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.39	1.00	LANL Avl BG LVL	0.57	2.1	0.1	mg/L	10				EPA:353.2	GELC
C5	9	9	04/20/05	59.5	90.9	69.1	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MT-3	44	07/09/10		F	CS	GENINORG	Sodium	Na	69.1	1.00	LANL Avl BG LVL	15.54	2.2	0.1	mg/L	1				SW-846:6010B	GELC
C5	9	13	04/20/05	250	329	296	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MT-3	44	07/09/10		F	CS	GENINORG	Total Dissolved Solids	TDS	311	1.05	LANL Avl BG LVL	139	1.1	2.4	mg/L	1				EPA:160.1	GELC
C5	9	9	04/20/05	1.4	5.62	2.78	7	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MT-3	44	07/09/10		F	CS	METALS	Chromium	Cr	5.62	2.02	LANL Avl BG LVL	1	2.8	2.5	ug/L	1	J	J	J LAB	SW-846:6020	GELC
C5	9	9	04/20/05	49.9	81.4	67	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MT-3	44	07/09/10		F	CS	METALS	Molybdenum	Mo	51.5	0.77	LANL Avl BG LVL	2	12.9	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	Flt QC Type Code	Flt 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
C5	9	9	04/20/05	2.1	4.7	2.9	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MT-3	44	07/09/10		F	CS	METALS	Nickel	Ni	3	1.03	LANL Avl BG LVL	1	1.5	0.5	ug/L	1				SW-846:6020	GELC
C5	19	19	06/23/05	0.291	0.606	0.407	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	07/07/10		F	CS	GENINORG	Bromide	Br(-1)	0.408	1.00	LANL Int BG LVL	0.03	6.8	0.066	mg/L	1				EPA:300.0	GELC
C5	19	19	06/23/05	17.8	21	19.4	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	07/07/10		F	CS	GENINORG	Chloride	Cl(-1)	17.8	0.92	LANL Int BG LVL	7.78	1.1	0.66	mg/L	10				EPA:300.0	GELC
C5	19	19	06/23/05	50.2	166	91.8	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	07/07/10		F	CS	GENINORG	Perchlorate	ClO4	58.5	0.64	LANL Int BG LVL	0.05	585.0	5	ug/L	100		J+	PE12f	SW-846:6850	GELC
C5	19	19	06/23/05	8.88	17.7	12.6	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	07/07/10		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	8.95	0.71	LANL Int BG LVL	2.41	1.9	0.25	mg/L	25				EPA:353.2	GELC
C5	19	19	06/23/05	2.14	5.61	3	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	07/07/10		F	CS	METALS	Nickel	Ni	2.86	0.95	LANL Int BG LVL	1	1.4	0.5	ug/L	1				SW-846:6020	GELC
C5	19	19	06/23/05	1.19	4.04	3.67	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	07/07/10		F	CS	METALS	Lead	Pb	3.67	1.00	LANL Int BG LVL	0.5	3.7	0.5	ug/L	1				SW-846:6020	GELC
C5	19	19	06/23/05	5.3	369	28.1	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	07/07/10		F	CS	METALS	Zinc	Zn	14.8	0.53	LANL Int BG LVL	2	3.7	3.3	ug/L	1				SW-846:6010B	GELC
C5	20	22	06/09/05	0.083	0.157	0.128	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689	07/07/10		F	CS	GENINORG	Bromide	Br(-1)	0.143	1.12	LANL Int BG LVL	0.03	2.4	0.066	mg/L	1	J	J	J_LAB	EPA:300.0	GELC
C5	20	22	06/09/05	68.7	132	94.3	22	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689	07/07/10		F	CS	GENINORG	Perchlorate	ClO4	97.6	1.03	LANL Int BG LVL	0.05	976.0	10	ug/L	200		J+	PE12f	SW-846:6850	GELC
C5	20	28	06/09/05	1.1	6.29	3.22	22	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689	07/07/10		F	CS	METALS	Chromium	Cr	6.29	1.95	LANL Int BG LVL	1	3.2	2.5	ug/L	1	J	J	J_LAB	SW-846:6020	GELC
C5	20	31	06/15/05	0.212	0.673	0.405	29	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	07/06/10		F	CS	GENINORG	Bromide	Br(-1)	0.673	1.66	LANL Int BG LVL	0.03	11.2	0.066	mg/L	1				EPA:300.0	GELC
C5	20	31	06/15/05	42.8	74.5	56.4	31	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	07/06/10		F	CS	GENINORG	Calcium	Ca	69.3	1.23	LANL Int BG LVL	17.31	2.0	0.05	mg/L	1				SW-846:6010B	GELC
C5	20	31	06/15/05	21.2	53.6	32	31	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	07/06/10		F	CS	GENINORG	Chloride	Cl(-1)	52.2	1.63	LANL Int BG LVL	7.78	3.4	0.66	mg/L	10				EPA:300.0	GELC
C5	20	31	06/15/05	78.6	246	159	31	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	07/06/10		F	CS	GENINORG	Perchlorate	ClO4	81.4	0.51	LANL Int BG LVL	0.05	814.0	10	ug/L	200				SW-846:6850	GELC
C5	20	31	06/15/05	8.49	15.3	10.9	31	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	07/06/10		F	CS	GENINORG	Magnesium	Mg	14.1	1.29	LANL Int BG LVL	6.12	1.2	0.085	mg/L	1				SW-846:6010B	GELC
C5	20	32	06/15/05	9.73	20.4	16.6	32	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	07/06/10		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	9.73	0.59	LANL Int BG LVL	2.41	2.0	0.25	mg/L	25		J-	I6a	EPA:353.2	GELC
C5	20	31	06/15/05	19.5	28.2	22.8	31	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	07/06/10		F	CS	GENINORG	Sodium	Na	25.1	1.10	LANL Int BG LVL	12.19	1.0	0.1	mg/L	1				SW-846:6010B	GELC
C5	20	39	06/15/05	298	497	370	39	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	07/06/10		F	CS	GENINORG	Total Dissolved Solids	TDS	497	1.34	LANL Int BG LVL	127	2.0	2.4	mg/L	1				EPA:160.1	GELC
C5	20	31	06/15/05	25.4	44.8	33	31	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	07/06/10		F	CS	METALS	Boron	B	42.9	1.30	LANL Int BG LVL	15.12	1.4	15	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC
C5	20	34	06/15/05	29.4	58.2	43.6	34	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	07/06/10		F	CS	METALS	Chromium	Cr	55.6	1.28	LANL Int BG LVL	1	27.8	2.5	ug/L	1				SW-846:6020	GELC
C5	20	31	06/15/05	6.6	26.1	11.2	30	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	07/06/10		F	CS	METALS	Copper	Cu	14.5	1.29	LANL Int BG LVL	5.32	1.4	3	ug/L	1				SW-846:6010B	GELC
C5	20	31	06/15/05	2.9	20.8	5.9	31	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	07/06/10		F	CS	METALS	Nickel	Ni	20.8	3.53	LANL Int BG LVL	1	10.4	0.5	ug/L	1				SW-846:6020	GELC
C5	20	31	06/15/05	196	324	256	31	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	07/06/10		F	CS	METALS	Strontium	Sr	315	1.23	LANL Int BG LVL	154.76	1.0	1	ug/L	1				SW-846:6010B	GELC
C5	20	31	06/15/05	23.7	288	51.5	31	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	07/06/10		F	CS	METALS	Zinc	Zn	25.9	0.50	LANL Int BG LVL	2	6.5	3.3	ug/L	1				SW-846:6010B	GELC
C5	9	9	07/07/06	112	260	211	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	05/17/10		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	182	0.86	LANL Int BG LVL	52	1.8	0.73	mg/L	1				EPA:310.1	GELC
C5	9	9	07/07/06	0.343	0.449	0.381	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	05/17/10		F	CS	GENINORG	Bromide	Br(-1)	0.35	0.92	LANL Int BG LVL	0.03	5.8	0.066	mg/L	1				EPA:300.0	GELC
C5	10	10	07/07/06	98	124	108	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	05/17/10		F	CS	GENINORG	Calcium	Ca	103	0.95	LANL Int BG LVL	17.31	3.0	0.05	mg/L	1				SW-846:6010B	GELC
C5	9	9	07/07/06	67.6	79	72	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	05/17/10		F	CS	GENINORG	Chloride	Cl(-1)	68.4	0.95	LANL Int BG LVL	7.78	4.4	0.66	mg/L	10				EPA:300.0	GELC
C5	10	10	07/07/06	1.52	2.44	1.65	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	05/17/10		F	CS	GENINORG	Perchlorate	ClO4	2.1	1.27	LANL Int BG LVL	0.05	21.0	0.2	ug/L	4				SW-846:6850	GELC
C5	9	9	07/07/06	0.843	1.41	0.954	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	05/17/10		F	CS	GENINORG	Fluoride	F(-1)	0.843	0.88	LANL Int BG LVL	0.23	1.8	0.033	mg/L	1				EPA:300.0	GELC
C5	10	10	07/07/06	16.5	20.3	17.6	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	05/17/10		F	CS	GENINORG	Magnesium	Mg	16.8	0.95	LANL Int BG LVL	6.12	1.4	0.085	mg/L	1				SW-846:6010B	GELC
C5	9	9	07/07/06	3.64	740	9.58	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	05/17/10		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	9.58	1.00	LANL Int BG LVL	2.41	2.0	0.25	mg/L	25				EPA:353.2	GELC
C5	10	10	07/07/06	34.1	45.9	39	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	05/17/10		F	CS	GENINORG	Sodium	Na	34.1	0.87	LANL Int BG LVL	12.19	1.4	0.1	mg/L	1				SW-846:6010B	GELC
C5	9	11	07/07/06	528	582	545	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	05/17/10		F	CS	GENINORG	Total Dissolved Solids	TDS	538	0.99	LANL Int BG LVL	127	2.1	2.4	mg/L	1				EPA:160.1	GELC
C5	10	10	07/07/06	75.5	120	93.9	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	05/17/10		F	CS	METALS	Boron	B	75.5	0.80	LANL Int BG LVL	15.12	2.5	15	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	Flt QC Type Code	Flt 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
C5	10	10	07/07/06	3.29	5.2	4.01	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	05/17/10		F	CS	METALS	Nickel	Ni	3.29	0.82	LANL Int BG LVL	1	1.7	0.5	ug/L	1				SW-846:6020	GELC
C5	10	10	07/07/06	561	689	615	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	05/17/10		F	CS	METALS	Strontium	Sr	616	1.00	LANL Int BG LVL	154.76	2.0	1	ug/L	1				SW-846:6010B	GELC
C5	10	10	07/07/06	22.3	32.6	27.7	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	05/17/10		F	CS	METALS	Uranium	U	23.4	0.84	LANL Int BG LVL	0.72	16.3	0.05	ug/L	1				SW-846:6020	GELC
C5	10	10	07/07/06	9.4	15.4	11.3	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	05/17/10		F	CS	METALS	Vanadium	V	10.2	0.90	LANL Int BG LVL	4.91	1.0	1	ug/L	1				SW-846:6010B	GELC
C5	8	9	03/11/09	1.09	7.67	3.01	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-46	1340	07/01/10		UF	CS	GENINORG	Total Organic Carbon	TOC	1.28	0.43	LANL Reg BG LVL	0.33	1.9	0.33	mg/L	1				SW-846:9060	GELC
C5	21	27	05/19/05	0.64	12.6	2.4	25	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-1	1031.1	07/13/10		F	CS	METALS	Nickel	Ni	9.88	4.12	LANL Reg BG LVL	3.09	1.6	0.5	ug/L	1				SW-846:6020	GELC
C5	9	10	10/09/08	1.06	2.84	1.54	10	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-42	931.8	07/13/10		UF	CS	GENINORG	Total Organic Carbon	TOC	1.16	0.75	LANL Reg BG LVL	0.33	1.8	0.33	mg/L	1				SW-846:9060	GELC
C5	7	7	02/28/09	0.612	2.28	1.92	7	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-45	880	07/02/10		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.99	1.04	LANL Reg BG LVL	0.89	1.1	0.1	mg/L	10		J	I6a	EPA:353.2	GELC
C5	7	11	02/28/09	8.4	21.4	14.5	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-45	880	07/02/10		F	CS	METALS	Chromium	Cr	15.4	1.06	LANL Reg BG LVL	5.75	1.3	2.5	ug/L	1				SW-846:6020	GELC
C5	3	5	03/06/10	49.8	69.7	53.8	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-50	1077	07/02/10		F	CS	METALS	Chromium	Cr	55.2	1.03	LANL Reg BG LVL	5.75	4.8	2.5	ug/L	1				SW-846:6020	GELC
C5	3	3	03/06/10	17.6	90.6	69.2	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-50	1077	07/02/10		F	CS	METALS	Manganese	Mn	69.2	1.00	LANL Reg BG LVL	2.94	11.8	2	ug/L	1				SW-846:6010B	GELC
C5	3	3	03/06/10	7.96	200	197	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-50	1077	07/02/10		F	CS	METALS	Zinc	Zn	197	1.00	LANL Reg BG LVL	3.89	25.3	3.3	ug/L	1				SW-846:6010B	GELC
C5	3	3	03/11/10	47.1	462	83.1	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-50	1185	07/02/10		F	CS	METALS	Iron	Fe	47.1	0.57	LANL Reg BG LVL	21	1.1	30	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC
C5	7	11	02/17/09	7.34	14.1	11.2	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-44	895	07/14/10		F	CS	METALS	Chromium	Cr	12.3	1.10	LANL Reg BG LVL	5.75	1.1	2.5	ug/L	1				SW-846:6020	GELC
C5	8	11	05/12/04	2.14	154	25.1	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-16	863.4	07/12/10		F	CS	METALS	Manganese	Mn	14	0.56	LANL Reg BG LVL	2.94	2.4	2	ug/L	1				SW-846:6010B	GELC
C5	10	11	09/06/07	0.097	0.145	0.131	7	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	R-23i	400.3	06/15/10		F	CS	GENINORG	Bromide	Br(-1)	0.125	0.95	LANL Int BG LVL	0.03	2.1	0.066	mg/L	1	J	J	J_LAB	EPA:300.0	GELC
C5	10	11	09/06/07	6.93	36.7	29.8	11	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	R-23i	400.3	06/15/10		F	CS	GENINORG	Chloride	Cl(-1)	21.1	0.71	LANL Int BG LVL	7.78	1.4	0.066	mg/L	1				EPA:300.0	GELC
C5	10	11	09/06/07	0.11	0.291	0.179	10	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	R-23i	400.3	06/15/10		F	CS	GENINORG	Perchlorate	ClO4	0.291	1.63	LANL Int BG LVL	0.05	2.9	0.05	ug/L	1				SW-846:6850	GELC
C5	14	15	10/11/06	0.186	0.281	0.236	15	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	R-23i	524	06/16/10		F	CS	GENINORG	Perchlorate	ClO4	0.275	1.17	LANL Int BG LVL	0.05	2.8	0.05	ug/L	1				SW-846:6850	GELC
C5	14	17	03/11/04	11.9	28.5	16.1	17	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-20	904.6	06/15/10		F	CS	METALS	Manganese	Mn	24.4	1.52	LANL Reg BG LVL	2.94	4.2	2	ug/L	1				SW-846:6010B	GELC
C5	3	3	02/15/10	101	1940	133	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	830	07/27/10		F	CS	METALS	Iron	Fe	1940	14.59	LANL Reg BG LVL	21	46.2	30	ug/L	1				SW-846:6010B	GELC
C5	3	3	02/15/10	42.1	216	80.2	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	830	07/27/10		F	CS	METALS	Manganese	Mn	216	2.69	LANL Reg BG LVL	2.94	36.7	2	ug/L	1				SW-846:6010B	GELC
C5	3	3	02/15/10	10	60.5	24.5	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	830	07/27/10		F	CS	METALS	Zinc	Zn	24.5	1.00	LANL Reg BG LVL	3.89	3.2	3.3	ug/L	1				SW-846:6010B	GELC
C6	12	15	09/19/05	590	1650	989	15	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	07/02/10		F	CS	GENINORG	Total Dissolved Solids	TDS	1560	1.58	NM GW STD	1000	3.1	4.8	mg/L	1				EPA:160.1	GELC
C6	12	12	09/19/05	154	694	271	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	07/02/10		F	CS	METALS	Barium	Ba	670	2.47	NM GW STD	1000	1.3	1	ug/L	1				SW-846:6010B	GELC
C6	12	12	09/19/05	6.3	35.6	12.1	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	07/02/10		F	CS	METALS	Cobalt	Co	35.6	2.94	NM GW STD	50	1.4	1	ug/L	1				SW-846:6010B	GELC
C6	12	12	09/19/05	364	49500	8075	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	07/02/10		F	CS	METALS	Iron	Fe	49500	6.13	NM GW STD	1000	99.0	30	ug/L	1				SW-846:6010B	GELC
C6	12	12	09/19/05	1460	7800	2350	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	07/02/10		F	CS	METALS	Manganese	Mn	7800	3.32	NM GW STD	200	78.0	2	ug/L	1				SW-846:6010B	GELC
C6	20	22	06/09/05	3.17	5.36	4.34	22	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689	07/07/10		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.28	1.22	EPA MCL	10	1.1	0.25	mg/L	25				EPA:353.2	GELC
CA	18	20	06/09/05	6.97	6.97	6.97	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-5	689	07/07/10		UF	CS	VOA	Methylene Chloride	75-09-2	6.97	1.00	EPA MCL	5	1.4	3	ug/L	1	J	J	J_LAB	SW-846:8260B	GELC
CA	3	3	02/15/10	101	1940	133	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	830	07/27/10		F	CS	METALS	Iron	Fe	1940	14.59	NM GW STD	1000	1.9	30	ug/L	1				SW-846:6010B	GELC
CA	3	3	02/15/10	42.1	216	80.2	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	830	07/27/10		F	CS	METALS	Manganese	Mn	216	2.69	NM GW STD	200	1.1	2	ug/L	1				SW-846:6010B	GELC