

SUMMARY OF NEW LOS ALAMOS NATIONAL LABORATORY GROUNDWATER DATA LOADED IN NOVEMBER 2007

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 Settlement Agreement and Stipulated Final Order (Stipulated Order) signed by NMED, U.S. Department of Energy, and Los Alamos National Security, LLC, on June 14, 2007. 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 tables.

The report includes two tables:

Table 1: NMED 11-07 Groundwater Report. This table satisfies the Stipulated Order requirements for reporting November groundwater data and contains 278 items. In accordance with the Stipulated Order, previous data to be evaluated to determine whether specified levels have been exceeded, or to determine trends in data for three consecutive samples, include only data acquired after June 14, 2007, the effective date of the Stipulated Order.

Table 1 is quite large because monitoring data acquired before June 14, 2007, are not included in evaluating new results against the criteria. Thus, many results meet criteria in the Stipulated Order but are similar to sampling results found at monitoring locations before June 14, 2007.

Table 2: NMED 11-07 Groundwater Report Summary. This table focuses on results that are first-time occurrences of results based on considering monitoring data acquired before June 14, 2007 (using statistics described below) and contains 36 items. This table includes additional comments on significance of the results.

Both tables contain supplemental information summarizing monitoring results obtained before June 14, 2007.

The tables include sampling date, identification of the well or spring, the location of the well or spring, the depth of the screened interval, 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. Generally, all data have been through secondary validation, as indicated in the tables by a preliminary flag of N. The definitions for abbreviations in the tables may be found at <http://wqdbworld.lanl.gov/> under "Lookup Tables" under the menu on the left side of the page.

In accordance with the Stipulated 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 tables, 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 March 1, 2005, Compliance Order on Consent.

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 three consecutive samples. No results are included for these criteria in the tables because no location has been sampled a sufficient number of times since June 14, 2007, to meet the criteria.

DESCRIPTION OF TABLES

The tables are divided into separate categories that correspond to the seven screening criteria in the Stipulated 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 tables 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 number of sampling events and the 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://wqdbworld.lanl.gov/>)

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/RiskCode—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 11-07 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	5	5	06/29/06	1.56	3.56	2.56	2	Sandia Canyon	Regional	R-10	1042	06/19/07		UF	CS	VOA	Acetone	67-64-1	1.56	0.61	EPA TAP SCRNLVL N	5475	0.0	1.25	ug/L	1	J			SW-846:6260B	GELC
C1	7	10	11/30/05	2.26	2.65	2.83	3	Sandia Canyon	Regional	R-10a	690	02/20/07		UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	2.28	0.81	EPA PRIM DW STD	6	0.4	2.17	ug/L	1	J			SW-846:8270C	GELC
C1	7	9	11/30/05	1.61	4.28	2.7	5	Sandia Canyon	Regional	R-10a	690	06/19/07		UF	CS	VOA	Acetone	67-64-1	1.85	0.69	EPA TAP SCRNLVL N	5475	0.0	1.25	ug/L	1	J			SW-846:8260B	GELC
C1	7	9	11/30/05	1.61	4.28	2.7	5	Sandia Canyon	Regional	R-10a	690	06/19/07	FD	UF	CS	VOA	Acetone	67-64-1	1.61	0.60	EPA TAP SCRNLVL N	5475	0.0	1.25	ug/L	1	J			SW-846:8260B	GELC
C1	10	11	08/07/01	2.11	3.2	2.655	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	2.11	0.79	EPA PRIM DW STD	6	0.4	2	ug/L	1	J			SW-846:8270C	GELC
C1	1	2	02/27/07	0.00000876	0.00000876	0.00000876	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-6	34	02/27/07	FD	UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.00000876	1.00				0.00000876	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	5	9	08/28/06	0.00000651	0.000019	0.00001322	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.0000186	1.41				0.0000186	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	5	6	08/31/06	0.0247	0.0247	0.0247	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Heptachlor Epoxide	1024-57-3	0.0247	1.00	EPA PRIM DW STD	0.2	0.1	0.00532	ug/L	1		J	PWQ6	SW-846:8081A	GELC
C1	5	6	08/31/06	0.0568	0.0568	0.0568	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Endosulfan Sulfate	1031-07-5	0.0568	1.00				0.00532	ug/L	1		J	PWQ6	SW-846:8081A	GELC
C1	5	6	08/31/06	0.0124	0.0124	0.0124	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Aldrin	309-00-2	0.0124	1.00	EPA TAP SCRNLVL C-5	0.039548	0.3	0.00532	ug/L	1	J			SW-846:8081A	GELC
C1	5	6	08/31/06	0.0127	0.0127	0.0127	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	BHC[alpha-]	319-84-6	0.0127	1.00	EPA TAP SCRNLVL C-5	0.10672	0.1	0.00532	ug/L	1	J			SW-846:8081A	GELC
C1	5	6	08/31/06	0.0383	0.0383	0.0383	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	BHC[beta-]	319-85-7	0.0383	1.00	EPA TAP SCRNLVL C-5	0.37351	0.1	0.00699	ug/L	1		J	PWQ6	SW-846:8081A	GELC
C1	5	6	08/31/06	0.027	0.027	0.027	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	BHC[delta-]	319-86-8	0.027	1.00				0.00532	ug/L	1		J	PWQ6	SW-846:8081A	GELC
C1	5	6	08/31/06	0.0468	0.0468	0.0468	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Endosulfan II	33213-65-9	0.0468	1.00				0.00532	ug/L	1		J	PWQ6	SW-846:8081A	GELC
C1	5	6	08/31/06	0.0163	0.042	0.02915	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	DDT[4,4-]	50-29-3	0.042	1.44	EPA TAP SCRNLVL C-5	1.9774	0.0	0.0106	ug/L	1	J			SW-846:8081A	GELC
C1	5	6	08/31/06	0.0102	0.0102	0.0102	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	BHC[gamma-]	58-89-9	0.0102	1.00	EPA PRIM DW STD	0.2	0.1	0.00532	ug/L	1	J			SW-846:8081A	GELC
C1	5	6	08/31/06	0.0327	0.0327	0.0327	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Dieldrin	60-57-1	0.0327	1.00	EPA TAP SCRNLVL C-5	0.04202	0.8	0.00532	ug/L	1	J			SW-846:8081A	GELC
C1	5	6	08/31/06	0.0346	0.0348	0.0346	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Endrin	72-20-8	0.0346	1.00	EPA PRIM DW STD	2	0.0	0.00532	ug/L	1	J			SW-846:8081A	GELC
C1	5	6	08/31/06	0.0151	0.0448	0.02995	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	DDD[4,4-]	72-54-8	0.0448	1.50	EPA TAP SCRNLVL C-5	2.8013	0.0	0.00532	ug/L	1		J	PWQ6	SW-846:8081A	GELC
C1	5	6	08/31/06	0.0209	0.0321	0.0265	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	DDE[4,4-]	72-55-9	0.0321	1.21	EPA TAP SCRNLVL C-5	1.9774	0.0	0.00532	ug/L	1	J			SW-846:8081A	GELC
C1	5	6	08/31/06	0.0114	0.0114	0.0114	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Heptachlor	76-44-8	0.0114	1.00	EPA PRIM DW STD	0.4	0.0	0.00897	ug/L	1	J			SW-846:8081A	GELC
C1	5	6	08/31/06	0.0265	0.0265	0.0265	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Endosulfan I	959-98-8	0.0265	1.00				0.00532	ug/L	1		J	PWQ6	SW-846:8081A	GELC
C1	1	1	09/17/07	19.5	19.5	19.5	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-9	21.3	09/17/07		UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	19.5	1.00	EPA PRIM DW STD	6	3.3	2.04	ug/L	1				SW-846:8270C	GELC
C1	1	1	09/17/07	20.2	20.2	20.2	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-9	21.3	09/17/07		UF	CS	SVOA	Dioxane[1,4-]	123-91-1	20.2	1.00	EPA TAP SCRNLVL C-5	61.12	0.3	1.02	ug/L	1				SW-846:8270C	GELC
C1	2	2	07/11/07	0.32	0.32	0.32	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-9	21.3	09/17/07		UF	CS	VQA	Toluene	108-88-3	0.32	1.00	NM GW STD	750	0.0	0.25	ug/L	1	J			SW-846:8260B	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 Suffix 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	2	2	07/11/07	3.57	3.57	3.57	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-9	21.3	09/17/07		UF	CS	VOA	Acetone	67-64-1	3.57	1.00	EPA TAP SCR N LVL N	5475	0.0	1.25	ug/L	1	J	J	VWQ9	SW-846:8260B	GELC
C1	6	10	06/27/06	1.02	1.02	1.02	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07		UF	RE	VOA	Toluene	108-88-3	1.02	1.00	NM GW STD	750	0.0	1	ug/L	4	J	J	VWQ5	SW-846:8260B	GELC
C1	2	2	10/17/06	0.386	0.386	0.386	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-17	1124	09/18/07		UF	CS	VOA	Diethyl Ether	60-29-7	0.386	1.00	EPA TAP SCR N LVL N	1210.7	0.0	0.3	ug/L	1	J			SW-846:8260B	GELC
C1	13	14	03/09/01	2.38	2.38	2.38	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-22	1273.5	09/17/07		UF	CS	VOA	Methylene Chloride	75-09-2	2.38	1.00	EPA PRIM DW STD	5	0.5	2	ug/L	1	J	J	VWQ3	SW-846:8260B	GELC
C1	10	11	09/25/01	0.13	0.63	0.48	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring Upper Stormwater Filter Sample Port	0	07/28/06		UF	CS	HEXP	MXN	MXN	0.83	1.73			0.07	ug/L	1				SW-846:8330	STSL	
C1	10	11	09/25/01	0.061	0.57	0.3155	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring Upper Stormwater Filter Sample Port	0	07/28/06		UF	CS	HEXP	TNX	TNX	0.57	1.81			0.041	ug/L	1				SW-846:8330	STSL	
C1	5	5	09/26/00	6.38	6.38	6.38	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 8A	0	09/25/07		UF	CS	SVOA	Di-n-octylphthalate	117-84-0	6.38	1.00	EPA TAP SCR N LVL N	1460	0.0	3	ug/L	1	J	J+	SWQ9	SW-846:8270C	GELC
C1	4	4	09/27/00	3.61	3.61	3.61	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 9A	0	09/26/07		UF	CS	SVOA	Di-n-octylphthalate	117-84-0	3.61	1.00	EPA TAP SCR N LVL N	1460	0.0	3.19	ug/L	1	J	J+	SWQ9	SW-846:8270C	GELC
C2	4	4	10/12/06	0.465	0.56	0.514	4	Sandia Canyon	Regional	R-10	874	08/15/07		F	CS	GENINORG	Perchlorate	ClO4	0.501	0.97	LANL Reg BG LVL	0.44	1.1	0.05	ug/L	1		J	LMS1	SW-846:6850	GELC
C2	4	4	10/12/06	0.465	0.56	0.514	4	Sandia Canyon	Regional	R-10	874	02/21/07		F	CS	GENINORG	Perchlorate	ClO4	0.56	1.09	LANL Reg BG LVL	0.44	1.3	0.05	ug/L	1				SW-846:6850	GELC
C2	5	5	06/29/06	8.343	1.18	0.657	5	Sandia Canyon	Regional	R-10	874	08/15/07		UF	CS	GENINORG	Total Organic Carbon	TOC	0.695	1.06	LANL Reg BG LVL	0.46	1.5	0.33	mg/L	1	J			SW-846:9060	GELC
C2	4	4	10/12/06	8.4	14.8	11.2	4	Sandia Canyon	Regional	R-10	874	02/21/07		F	CS	METALS	Zinc	Zn	11.4	1.02	LANL Reg BG LVL	2	5.7	2	ug/L	1				SW-846:6010B	GELC
C2	4	4	10/12/06	8.4	14.8	11.2	4	Sandia Canyon	Regional	R-10	874	08/15/07		F	CS	METALS	Zinc	Zn	11	0.98	LANL Reg BG LVL	2	5.5	2	ug/L	1				SW-846:6010B	GELC
C2	5	5	06/29/06	0.102	0.102	0.102	1	Sandia Canyon	Regional	R-10	1042	06/19/07		F	CS	GENINORG	Bromide	Br(-)	0.102	1.00	LANL Reg BG LVL	0.07	1.5	0.066	mg/L	1	J			EPA:300.0	GELC
C2	5	5	06/29/06	0.439	0.553	0.493	5	Sandia Canyon	Regional	R-10	1042	08/15/07		F	CS	GENINORG	Perchlorate	ClO4	0.455	0.92	LANL Reg BG LVL	0.44	1.0	0.05	ug/L	1		J	LMS1	SW-846:6850	GELC
C2	5	5	06/29/06	0.439	0.553	0.493	5	Sandia Canyon	Regional	R-10	1042	02/21/07		F	CS	GENINORG	Perchlorate	ClO4	0.553	1.12	LANL Reg BG LVL	0.44	1.3	0.05	ug/L	1				SW-846:6850	GELC
C2	5	5	06/29/06	0.488	1.28	0.6075	4	Sandia Canyon	Regional	R-10	1042	06/15/07		UF	CS	GENINORG	Total Organic Carbon	TOC	0.627	1.03	LANL Reg BG LVL	0.46	1.4	0.33	mg/L	1	J			SW-846:9060	GELC
C2	5	5	06/29/06	0.58	1.3	0.71	5	Sandia Canyon	Regional	R-10	1042	08/15/07		F	CS	METALS	Nickel	Ni	1.3	1.83	LANL Reg BG LVL	1	1.3	0.5	ug/L	1	J			SW-846:6020	GELC
C2	5	5	06/29/06	7	13.1	10.4	5	Sandia Canyon	Regional	R-10	1042	08/15/07		F	CS	METALS	Zinc	Zn	7.1	0.68	LANL Reg BG LVL	2	3.6	2	ug/L	1	J			SW-846:6010B	GELC
C2	5	5	06/29/06	7	13.1	10.4	5	Sandia Canyon	Regional	R-10	1042	02/21/07		F	CS	METALS	Zinc	Zn	10.4	1.00	LANL Reg BG LVL	2	5.2	2	ug/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	73.3	127	106	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	106	1.00	LANL Reg BG LVL	105.14	1.0	0.725	mg/L	1				EPA:310.1	GELC
C2	7	9	11/30/05	0.08	0.114	0.0995	6	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	GENINORG	Bromide	Br(-)	0.114	1.15	LANL Reg BG LVL	0.07	1.6	0.086	mg/L	1	J			EPA:300.0	GELC
C2	7	9	11/30/05	29.3	35.2	31	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	GENINORG	Calcium	Ca	29.3	0.95	LANL Reg BG LVL	24.12	1.2	0.03	mg/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	29.3	35.2	31	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	GENINORG	Calcium	Ca	31	1.00	LANL Reg BG LVL	24.12	1.3	0.036	mg/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	5.83	6.29	5.99	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	GENINORG	Chloride	Cl(-)	5.84	0.97	LANL Reg BG LVL	3.75	1.6	0.066	mg/L	1				EPA:300.0	GELC
C2	7	9	11/30/05	5.83	6.29	5.99	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	GENINORG	Chloride	Cl(-)	6.09	1.02	LANL Reg BG LVL	3.75	1.6	0.086	mg/L	1				EPA:300.0	GELC
C2	6	6	02/01/06	0.6	0.753	0.645	8	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	GENINORG	Perchlorate	ClO4	0.646	1.00	LANL Reg BG LVL	0.44	1.5	0.05	ug/L	1				SW-846:6850	GELC
C2	6	8	02/01/06	0.6	0.753	0.645	8	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	GENINORG	Perchlorate	ClO4	0.644	1.00	LANL Reg BG LVL	0.44	1.5	0.05	ug/L	1		J	LMS1	SW-846:6850	GELC
C2	7	9	11/30/05	3.19	3.56	3.38	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	GENINORG	Potassium	K	3.58	1.05	LANL Reg BG LVL	3.14	1.1	0.05	mg/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	3.19	3.56	3.38	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	GENINORG	Potassium	K	3.29	0.97	LANL Reg BG LVL	3.14	1.1	0.05	mg/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	0.962	2.08	1.33	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.08	1.56	LANL Reg BG LVL	0.75	2.8	0.05	mg/L	5				EPA:353.1	GELC

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fid QC Type Code	Fid Prep Code	Lab Sample Type Code	Any1 Suite Code	Analyte Desc	Analytel	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
C2	7	9	11/30/05	0.962	2.08	1.33	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.19	0.89	LANL Reg BG LVL	0.75	1.6	0.05	mg/L	5		J-	I3a	EPA:353.2	GELC
C2	7	9	11/30/05	10	12.9	10.4	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	GENINORG	Sulfate	SO4(-2)	10	0.96	LANL Reg BG LVL	6.22	1.6	0.1	mg/L	1				EPA:300.0	GELC
C2	7	9	11/30/05	10	12.9	10.4	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	GENINORG	Sulfate	SO4(-2)	10.2	0.98	LANL Reg BG LVL	6.22	1.6	0.1	mg/L	1				EPA:300.0	GELC
C2	6	11	02/01/06	187	219	197	11	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	GENINORG	Total Dissolved Solids	TDS	190	0.96	LANL Reg BG LVL	182.54	1.0	2.38	mg/L	1				EPA:160.1	GELC
C2	6	11	02/01/06	187	219	197	11	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	GENINORG	Total Dissolved Solids	TDS	197	1.00	LANL Reg BG LVL	182.54	1.1	2.38	mg/L	1				EPA:160.1	GELC
C2	6	8	11/30/05	0.493	1.04	0.7825	6	Sandia Canyon	Regional	R-10a	690	08/15/07		UF	CS	GENINORG	Total Organic Carbon	TOC	0.793	1.01	LANL Reg BG LVL	0.46	1.7	0.33	mg/L	1	J			SW-846:9060	GELC
C2	7	9	11/30/05	87.2	104	91.7	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	METALS	Barium	Ba	90.9	0.99	LANL Reg BG LVL	69.2	1.3	1	ug/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	87.2	104	91.7	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	METALS	Barium	Ba	92.3	1.01	LANL Reg BG LVL	69.2	1.3	1	ug/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	3.1	5	3.85	6	Sandia Canyon	Regional	R-10a	690	06/19/07	FD	F	CS	METALS	Copper	Cu	3.3	0.86	LANL Reg BG LVL	3	1.1	3	ug/L	1	J			SW-846:6010B	GELC
C2	7	9	11/30/05	3.1	5	3.85	6	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	METALS	Copper	Cu	5	1.30	LANL Reg BG LVL	3	1.7	3	ug/L	1	J			SW-846:6010B	GELC
C2	7	9	11/30/05	3.1	5	3.85	6	Sandia Canyon	Regional	R-10a	690	06/19/07		F	CS	METALS	Copper	Cu	3.1	0.61	LANL Reg BG LVL	3	1.0	3	ug/L	1	J			SW-846:6010B	GELC
C2	7	9	11/30/05	28	79.8	38.55	6	Sandia Canyon	Regional	R-10a	690	06/19/07	FD	F	CS	METALS	Iron	Fe	29.5	0.77	LANL Reg BG LVL	20.6	1.4	18	ug/L	1	J			SW-846:6010B	GELC
C2	7	9	11/30/05	28	79.8	38.55	6	Sandia Canyon	Regional	R-10a	690	06/19/07		F	CS	METALS	Iron	Fe	29.2	0.76	LANL Reg BG LVL	20.6	1.4	18	ug/L	1	J			SW-846:6010B	GELC
C2	7	9	11/30/05	0.89	2	1.4	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	METALS	Nickel	Ni	1.4	1.00	LANL Reg BG LVL	1	1.4	0.5	ug/L	1	J			SW-846:6020	GELC
C2	7	9	11/30/05	0.89	2	1.4	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	METALS	Nickel	Ni	1	0.71	LANL Reg BG LVL	1	1.0	0.5	ug/L	1	J			SW-846:6020	GELC
C2	7	9	11/30/05	219	244	229	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	METALS	Strontium	Sr	236	1.03	LANL Reg BG LVL	179.84	1.3	1	ug/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	219	244	229	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	METALS	Strontium	Sr	222	0.97	LANL Reg BG LVL	179.84	1.2	1	ug/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	3	4.6	3.4	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	METALS	Uranium	U	3.4	1.00	LANL Reg BG LVL	1.77	1.9	0.05	ug/L	1				SW-846:6020	GELC
C2	7	9	11/30/05	3	4.6	3.4	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	METALS	Uranium	U	3.5	1.03	LANL Reg BG LVL	1.77	2.0	0.05	ug/L	1				SW-846:6020	GELC
C2	7	9	11/30/05	7.5	111	15.4	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	METALS	Zinc	Zn	25.8	1.87	LANL Reg BG LVL	2	14.4	2	ug/L	1		J+	IWQ6	SW-846:6010B	GELC
C2	7	9	11/30/05	7.5	111	15.4	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	METALS	Zinc	Zn	7.5	0.49	LANL Reg BG LVL	2	3.8	2	ug/L	1	J			SW-846:6010B	GELC
C2	23	30	05/24/01	1.04	73.1	1.88	29	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	08/13/07		F	RE	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.76	0.95	LANL Avl BG LVL	0.57	3.1	0.05	mg/L	5	H	J	I9	EPA:353.2	GELC
C2	20	26	05/24/01	0.136	0.542	0.2725	18	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	08/13/07		F	RE	GENINORG	Total Kjeldahl Nitrogen	TKN	0.283	1.04	LANL Avl BG LVL	0.04	7.1	0.029	mg/L	1	H	J	I9	EPA:351.2	GELC
C2	11	14	08/08/01	117	181	152	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	128	0.84	LANL Avl BG LVL	76	1.7	0.725	mg/L	1				EPA:310.1	GELC
C2	11	14	08/06/01	117	181	152	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	124	0.82	LANL Avl BG LVL	76	1.6	0.725	mg/L	1				EPA:310.1	GELC
C2	11	14	08/06/01	29	46.7	32	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Calcium	Ca	38.4	1.20	LANL Avl BG LVL	26.36	1.5	0.03	mg/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	29	46.7	32	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Calcium	Ca	37.9	1.18	LANL Avl BG LVL	26.36	1.4	0.03	mg/L	1				SW-846:6010B	GELC
C2	14	19	04/27/05	19.4	31.7	24.7	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Perchlorate	ClO4	25	1.01	LANL Avl BG LVL	0.05	###	2	ug/L	40		J	LMS1	SW-846:6850	GELC
C2	14	19	04/27/05	19.4	31.7	24.7	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Perchlorate	ClO4	25.5	1.03	LANL Avl BG LVL	0.05	###	2	ug/L	40		J	LMS1	SW-846:6850	GELC
C2	35	43	02/24/00	0.852	1.51	1.1	43	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Fluoride	F(-1)	0.852	0.77	LANL Avl BG LVL	0.27	3.2	0.033	mg/L	1		J+	IWQ6	EPA:300.0	GELC
C2	35	43	02/24/00	0.852	1.51	1.1	43	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Fluoride	F(-1)	0.876	0.80	LANL Avl BG LVL	0.27	3.2	0.033	mg/L	1		J+	IWQ6	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 GC 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
C2	11	14	08/06/01	13.4	16.6	15.5	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Potassium	K	16.1	1.04	LANL Avl BG LVL	5.21	3.1	0.05	mg/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	13.4	16.8	15.5	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Potassium	K	15.8	1.02	LANL Avl BG LVL	5.21	3.0	0.05	mg/L	1				SW-846:6010B	GELC
C2	35	44	02/24/00	1.26	241	2.17	44	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.76	0.81	LANL Avl BG LVL	0.57	3.1	0.05	mg/L	5				EPA:353.2	GELC
C2	35	44	02/24/00	1.26	241	2.17	44	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-8	27	08/14/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.72	0.79	LANL Avl BG LVL	0.57	3.0	0.05	mg/L	5				EPA:353.2	GELC
C2	11	14	08/06/01	54	71.3	64.05	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Sodium	Na	63.5	0.99	LANL Avl BG LVL	15.54	4.1	0.045	mg/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	54	71.3	64.05	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Sodium	Na	65.2	1.02	LANL Avl BG LVL	15.54	4.2	0.045	mg/L	1				SW-846:6010B	GELC
C2	12	15	08/06/01	0.02	0.151	0.113	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.079	0.70	LANL Avl BG LVL	0.05	1.6	0.024	mg/L	1				EPA:365.4	GELC
C2	12	15	08/08/01	0.02	0.151	0.113	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.079	0.70	LANL Avl BG LVL	0.05	1.6	0.024	mg/L	1				EPA:385.4	GELC
C2	32	53	10/30/00	271	486	319	53	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-8	27	08/14/07	FD	F	CS	GENINORG	Total Dissolved Solids	TDS	325	1.02	LANL Avl BG LVL	139	2.3	2.38	mg/L	1				EPA:160.1	GELC
C2	32	53	10/30/00	271	486	319	53	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Total Dissolved Solids	TDS	325	1.02	LANL Avl BG LVL	139	2.3	2.38	mg/L	1				EPA:160.1	GELC
C2	31	37	02/24/00	0.014	0.6	0.212	27	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.156	0.74	LANL Avl BG LVL	0.04	3.9	0.029	mg/L	1				EPA:351.2	GELC
C2	31	37	02/24/00	0.014	0.6	0.212	27	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.135	0.64	LANL Avl BG LVL	0.04	3.4	0.029	mg/L	1	JN-	HWQ2		EPA:351.2	GELC
C2	11	14	08/06/01	54.1	97	73.9	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	METALS	Boron	B	59.1	0.80	LANL Avl BG LVL	51.89	1.1	10	ug/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	54.1	97	73.9	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	METALS	Boron	B	58.7	0.79	LANL Avl BG LVL	51.89	1.1	10	ug/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	82.4	117	93.25	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	METALS	Barium	Ba	111	1.19	LANL Avl BG LVL	68.57	1.6	1	ug/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	82.4	117	93.25	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	METALS	Barium	Ba	112	1.20	LANL Avl BG LVL	68.57	1.6	1	ug/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	38.1	89.7	62.9	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	METALS	Molybdenum	Mo	39.5	0.63	LANL Avl BG LVL	2	19.8	2	ug/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	38.1	89.7	62.9	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	METALS	Molybdenum	Mo	38.1	0.61	LANL Avl BG LVL	2	19.1	2	ug/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	2.4	8.6	2.7	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	METALS	Nickel	Ni	2.6	1.04	LANL Avl BG LVL	1	2.8	0.5	ug/L	1				SW-846:6020	GELC
C2	11	14	08/08/01	2.4	8.6	2.7	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FO	F	CS	METALS	Nickel	Ni	2.7	1.08	LANL Avl BG LVL	1	2.7	0.5	ug/L	1				SW-846:6020	GELC
C2	11	14	08/06/01	120	189	136	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	METALS	Strontium	Sr	159	1.17	LANL Avl BG LVL	120	1.3	1	ug/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	120	189	136	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	METALS	Strontium	Sr	157	1.15	LANL Avl BG LVL	120	1.3	1	ug/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	0.821	1.4	1.3	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	METALS	Vanadium	V	1.4	1.08	LANL Avl BG LVL	1	1.4	1	ug/L	1	J			SW-846:6010B	GELC
C2	10	12	08/07/01	103	166	142.5	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	142	1.00	LANL Avl BG LVL	76	1.9	0.725	mg/L	1				EPA:310.1	GELC
C2	13	17	04/28/05	23.5	47.5	27.7	17	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	GENINORG	Perchlorate	ClO4	24.5	0.68	LANL Avl BG LVL	0.05	###	2	ug/L	40	J	LMS1		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	Analytel	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	36	44	02/24/00	1.07	2.13	1.36	43	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07	F	CS	GENINORG	Fluoride	F(-)	1.25	0.92	LANL Avl BG LVL	0.27	4.6	0.033	mg/L	1				EPA:300.0	GELC	
C2	11	13	08/07/01	11.5	19.4	16.8	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07	F	CS	GENINORG	Potassium	K	17.2	1.02	LANL Avl BG LVL	5.21	3.3	0.05	mg/L	1				SW-846:6010B	GELC	
C2	36	45	02/24/00	1.31	12.5	3.975	44	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.14	0.54	LANL Avl BG LVL	0.57	3.8	0.05	mg/L	5				EPA:353.2	GELC	
C2	11	13	08/07/01	53.7	79.3	73.7	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07	F	CS	GENINORG	Sodium	Na	59.7	0.81	LANL Avl BG LVL	15.54	3.9	0.045	mg/L	1				SW-846:6010B	GELC	
C2	11	13	08/07/01	0.04	0.416	0.287	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.299	1.04	LANL Avl BG LVL	0.05	6.0	0.024	mg/L	1				EPA:365.4	GELC	
C2	32	46	10/30/00	260	366	313.5	46	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07	F	CS	GENINORG	Total Dissolved Solids	TDS	275	0.88	LANL Avl BG LVL	139	2.0	2.35	mg/L	1				EPA:160.1	GELC	
C2	33	41	02/24/00	0.051	1.74	0.249	29	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07	F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.11	0.44	LANL Avl BG LVL	0.04	2.8	0.029	mg/L	1	JN-	IWQ2		EPA:351.2	GELC	
C2	11	13	08/07/01	70.3	96.3	79.6	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07	F	CS	METALS	Boron	B	80.6	1.01	LANL Avl BG LVL	51.89	1.6	10	ug/L	1				SW-846:6010B	GELC	
C2	11	13	08/07/01	154	211	189	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07	F	CS	METALS	Barium	Ba	192	1.02	LANL Avl BG LVL	68.57	2.8	1	ug/L	1				SW-846:6010B	GELC	
C2	11	13	08/07/01	1	2.8	1.92	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07	F	CS	METALS	Chromium	Cr	1.9	0.99	LANL Avl BG LVL	1	1.9	1	ug/L	1	J			SW-846:6020	GELC	
C2	11	13	08/07/01	55.1	92.1	80.7	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07	F	CS	METALS	Molybdenum	Mo	56.1	0.70	LANL Avl BG LVL	2	28.1	2	ug/L	1				SW-846:6010B	GELC	
C2	11	13	08/07/01	2.1	7.35	3.3	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07	F	CS	METALS	Nickel	Ni	2.5	0.76	LANL Avl BG LVL	1	2.5	0.5	ug/L	1				SW-846:6020	GELC	
C2	11	13	08/07/01	123	161	144	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07	F	CS	METALS	Strontium	Sr	144	1.00	LANL Avl BG LVL	120	1.2	1	ug/L	1				SW-846:6010B	GELC	
C2	7	9	08/02/04	1.3	28.5	1.6	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07	F	CS	METALS	Uranium	U	1.3	0.81	LANL Avl BG LVL	1.03	1.3	0.05	ug/L	1				SW-846:6020	GELC	
C2	11	13	08/07/01	1.8	3.3	2.45	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07	F	CS	METALS	Vanadium	V	3.2	1.31	LANL Avl BG LVL	1	3.2	1	ug/L	1	J			SW-846:6010B	GELC	
C2	5	5	07/07/06	43.7	51.7	45.6	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	08/18/07	F	CS	GENINORG	Silicon Dioxide	SiO2	51.7	1.13	LANL Int BG LVL	50.72	1.0	0.032	mg/L	1				SW-846:6010B	GELC	
C2	5	5	07/07/06	1.2	4.4	2.8	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	08/16/07	F	CS	METALS	Chromium	Cr	4.4	1.57	LANL Int BG LVL	1	4.4	1	ug/L	1	J-	IWQ8		SW-846:6020	GELC	
C2	5	5	07/07/06	2.3	5.5	3.9	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	08/16/07	F	CS	METALS	Manganese	Mn	5.5	1.41	LANL Int BG LVL	2	2.8	2	ug/L	1	J			SW-846:6010B	GELC	
C2	4	4	06/27/05	0.352	0.905	0.4695	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-33	995.5	08/27/07	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	0.905	1.93	LANL Reg BG LVL	0.75	1.2	0.05	mg/L	5				EPA:353.2	GELC	
C2	4	4	06/27/05	4.1	8.6	7.1	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-33	995.5	08/27/07	F	CS	METALS	Chromium	Cr	8.6	1.21	LANL Reg BG LVL	6.62	1.3	1	ug/L	1				SW-846:6020	GELC	
C2	4	4	06/27/05	4.4	11.6	8	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-33	995.5	08/27/07	F	CS	METALS	Copper	Cu	11.6	1.45	LANL Reg BG LVL	3	3.9	3	ug/L	1	J-	IWQ8		SW-846:6010B	GELC	
C2	4	4	06/27/05	213	918	263	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-33	995.5	08/27/07	F	CS	METALS	Iron	Fe	918	3.49	LANL Reg BG LVL	20.6	44.6	25	ug/L	1				SW-846:6010B	GELC	
C2	4	4	06/27/05	3.5	26.6	4.2	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-33	995.5	08/27/07	F	CS	METALS	Manganese	Mn	26.6	6.33	LANL Reg BG LVL	2	13.3	2	ug/L	1				SW-846:6010B	GELC	
C2	4	4	06/27/05	1.2	10.4	6.15	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-33	995.5	08/27/07	F	CS	METALS	Nickel	Ni	10.4	1.69	LANL Reg BG LVL	1	10.4	0.5	ug/L	1				SW-846:6020	GELC	
C2	4	4	06/27/05	5.1	38.6	18.6	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-33	995.5	08/27/07	F	CS	METALS	Zinc	Zn	5.1	0.27	LANL Reg BG LVL	2	2.6	2	ug/L	1	J			SW-846:6010B	GELC	

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C2	5	7	09/14/04	1.1	1.3	1.2	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial Spring	TA-18 Spring	0	09/17/07	F	CS	METALS	Cobalt	Co	1.3	1.08	LANL Avl BG LVL	0.5	2.6	1	ug/L	1	J			SW-846:6010B	GELC	
C2	5	7	09/14/04	1.1	1.3	1.3	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial Spring	TA-18 Spring	0	09/17/07	F	CS	METALS	Chromium	Cr	1.1	0.85	LANL Avl BG LVL	1	1.1	1	ug/L	1	J			SW-846:6020	GELC	
C2	5	6	08/29/06	15.3	18.6	17	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-BG-1	10	09/10/07	F	CS	GENINORG	Sodium	Na	15.9	0.94	LANL Avl BG LVL	15.54	1.0	0.045	mg/L	1				SW-846:6010B	GELC	
C2	5	6	08/29/06	1.3	3.2	2.25	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-BG-1	10	09/10/07	F	CS	METALS	Chromium	Cr	3.2	1.42	LANL Avl BG LVL	1	3.2	1	ug/L	1				SW-846:6020	GELC	
C2	5	6	08/29/06	4	4	4	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-BG-1	10	09/10/07	F	CS	METALS	Copper	Cu	4	1.00	LANL Avl BG LVL	3	1.3	3	ug/L	1	J	J-	IWQ6	SW-846:6010B	GELC	
C2	5	6	08/29/06	0.56	1.2	0.675	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-BG-1	10	09/10/07	F	CS	METALS	Nickel	Ni	1.2	1.78	LANL Avl BG LVL	1	1.2	0.5	ug/L	1	J			SW-846:6020	GELC	
C2	5	7	08/30/06	0.012	0.059	0.0355	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-8	8	09/13/07	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.059	1.66	LANL Avl BG LVL	0.05	1.2	0.024	mg/L	1				EPA:365.4	GELC	
C2	5	7	08/30/06	61.1	73.3	65.7	7	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-8	8	09/13/07	F	CS	METALS	Barium	Ba	73.3	1.12	LANL Avl BG LVL	68.57	1.1	1	ug/L	1				SW-846:6010B	GELC	
C2	5	7	08/30/06	6.7	6.7	6.7	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-8	8	09/13/07	UF	CS	METALS	Mercury	Hg	6.7	1.00	LANL Avl BG LVL	0.06	###	0.03	ug/L	1				EPA:245.2	GELC	
C2	5	7	08/30/06	0.12	4.1	2.11	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-8	8	09/13/07	F	CS	METALS	Mercury	Hg	4.1	1.94	LANL Avl BG LVL	0.06	68.3	0.03	ug/L	1				EPA:245.2	GELC	
C2	5	7	08/30/06	1.5	2.1	1.8	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-8	8	09/13/07	F	CS	METALS	Vanadium	V	2.1	1.17	LANL Avl BG LVL	1	2.1	1	ug/L	1	J			SW-846:6010B	GELC	
C2	5	6	08/31/06	0.039	0.155	0.0805	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-9	6	09/12/07	FD	F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.086	1.07	LANL Avl BG LVL	0.04	2.2	0.029	mg/L	1	J	JN-	IWQ2	EPA:351.2	GELC
C2	5	6	08/31/06	1.2	2.8	1.2	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-9	6	09/12/07	F	CS	METALS	Chromium	Cr	1.2	1.00	LANL Avl BG LVL	1	1.2	1	ug/L	1	J			SW-846:6020	GELC	
C2	5	6	08/31/06	1.2	2.8	1.2	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-9	6	09/12/07	FD	F	CS	METALS	Chromium	Cr	1.2	1.00	LANL Avl BG LVL	1	1.2	1	ug/L	1	J			SW-846:6020	GELC
C2	5	6	08/31/06	2.6	3	2.9	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-9	6	09/12/07	F	CS	METALS	Manganese	Mn	2.6	0.97	LANL Avl BG LVL	2	1.4	2	ug/L	1	J			SW-846:6010B	GELC	
C2	5	6	08/31/06	2.8	3	2.9	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-9	6	09/12/07	FD	F	CS	METALS	Manganese	Mn	3	1.03	LANL Avl BG LVL	2	1.5	2	ug/L	1	J			SW-846:6010B	GELC
C2	5	6	08/31/06	15.5	21.2	17.55	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	FD	F	CS	GENINORG	Sodium	Na	17.6	1.01	LANL Avl BG LVL	15.54	1.2	0.045	mg/L	1				SW-846:6010B	GELC
C2	5	6	08/31/06	15.5	21.2	17.55	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	F	CS	GENINORG	Sodium	Na	17.3	0.98	LANL Avl BG LVL	15.54	1.1	0.045	mg/L	1				SW-846:6010B	GELC	
C2	5	6	08/31/06	0.076	0.089	0.062	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.075	0.91	LANL Avl BG LVL	0.05	1.5	0.024	mg/L	1				EPA:365.4	GELC	
C2	5	6	08/31/06	0.075	0.089	0.062	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	FD	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.089	1.08	LANL Avl BG LVL	0.05	1.8	0.024	mg/L	1				EPA:365.4	GELC
C2	5	6	08/31/06	1.6	2.1	1.95	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	F	CS	METALS	Chromium	Cr	1.6	0.92	LANL Avl BG LVL	1	1.6	1	ug/L	1	J			SW-846:6020	GELC	
C2	5	6	08/31/06	1.8	2.1	1.95	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	FD	F	CS	METALS	Chromium	Cr	2.1	1.08	LANL Avl BG LVL	1	2.1	1	ug/L	1	J			SW-846:6020	GELC
C2	5	6	08/31/06	0.12	0.63	0.375	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	UF	CS	METALS	Mercury	Hg	0.12	0.32	LANL Avl BG LVL	0.06	2.0	0.03	ug/L	1	J	J, JN-	IWQ6, IWQ2	EPA:245.2	GELC	
C2	5	6	08/31/06	0.12	0.63	0.375	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	FD	UF	CS	METALS	Mercury	Hg	0.63	1.68	LANL Avl BG LVL	0.06	10.5	0.03	ug/L	1	J		IWQ6	EPA:245.2	GELC
C2	5	6	08/31/06	2.1	4	3.1	5	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	F	CS	METALS	Manganese	Mn	3.1	1.00	LANL Avl BG LVL	2	1.6	2	ug/L	1	J			SW-846:6010B	GELC	

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C2	5	6	06/31/06	2.1	4	3.1	5	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	FD	F	CS	METALS	Manganese	Mn	3.1	1.00	LANL Avl BG LVL	2	1.6	2	ug/L	1	J			SW-846:6010B	GELC
C2	5	6	06/31/06	2.2	2.2	2.2	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	16-MW-11	27	09/13/07	FD	F	CS	METALS	Molybdenum	Mo	2.2	1.00	LANL Avl BG LVL	2	1.1	2	ug/L	1	J			SW-846:6010B	GELC
C2	5	6	09/31/06	1.1	2.6	2.1	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	16-MW-11	27	09/13/07	FD	F	CS	METALS	Vanadium	V	2.1	1.00	LANL Avl BG LVL	1	2.1	1	ug/L	1	J			SW-846:6010B	GELC
C2	5	6	09/31/06	1.1	2.6	2.1	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	F	F	CS	METALS	Vanadium	V	2.6	1.24	LANL Avl BG LVL	1	2.6	1	ug/L	1	J			SW-846:6010B	GELC
C2	5	6	06/28/06	1.2	1.7	1.45	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-18	12.5	09/12/07	F	F	CS	METALS	Chromium	Cr	1.2	0.83	LANL Avl BG LVL	1	1.2	1	ug/L	1	J			SW-846:6020	GELC
C2	5	6	08/28/06	2.1	2.9	2.8	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-18	12.5	09/12/07	F	F	CS	METALS	Manganese	Mn	2.1	0.75	LANL Avl BG LVL	2	1.1	2	ug/L	1	J			SW-846:6010B	GELC
C2	3	3	08/30/05	0.0612	0.102	0.0816	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	PCO-2	1.5	09/11/07	F	F	CS	GENINORG	Perchlorate	ClO4	0.102	1.25	LANL Avl BG LVL	0.05	2.0	0.05	ug/L	1	J			SW-846:6850	GELC
C2	7	8	09/10/04	3.57	15.3	10.8	8	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate Spring	Starmer Spring	0	09/20/07	F	F	CS	GENINORG	Chloride	Cl(-)	14.6	1.35	LANL Int BG LVL	8.37	1.7	0.066	mg/L	1				EPA:300.0	GELC
C2	6	6	06/21/05	0.43	1.3	0.72	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate Spring	Starmer Spring	0	09/20/07	UF	F	CS	METALS	Silver	Ag	1.3	1.81	LANL Int BG LVL	1	1.3	0.2	ug/L	1				SW-846:6020	GELC
C2	7	8	09/10/04	0.76	1.9	1	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate Spring	Starmer Spring	0	09/20/07	F	F	CS	METALS	Nickel	Ni	1	1.00	LANL Int BG LVL	1	1.0	0.5	ug/L	1	J			SW-846:6020	GELC
C2	7	6	09/10/04	2.3	3.4	2.85	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate Spring	Starmer Spring	0	09/20/07	F	F	CS	METALS	Zinc	Zn	2.3	0.81	LANL Int BG LVL	2	1.2	2	ug/L	1	J			SW-846:6010B	GELC
C2	2	2	07/11/07	0.273	0.273	0.273	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-9	21.3	09/17/07	F	F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.273	1.00	LANL Int BG LVL	0.04	6.8	0.029	mg/L	1				EPA:351.2	GELC
C2	6	6	06/27/06	1.3	14.3	3.1	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07	F	F	CS	METALS	Chromium	Cr	3.1	1.00	LANL Int BG LVL	1	3.1	1	ug/L	1				SW-846:6020	GELC
C2	6	6	06/27/06	600	14000	1566.5	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07	F	F	CS	METALS	Iron	Fe	2200	1.40	LANL Int BG LVL	839.99	2.6	25	ug/L	1				SW-846:6010B	GELC
C2	5	5	08/23/06	0.059	1.7	0.148	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07	F	F	CS	METALS	Mercury	Hg	1.7	11.49	LANL Int BG LVL	0.06	28.3	0.03	ug/L	1				EPA:245.2	GELC
C2	6	6	06/27/06	6.4	50.8	14.85	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07	F	F	CS	METALS	Zinc	Zn	10.7	0.72	LANL Int BG LVL	2	5.4	2	ug/L	1				SW-846:6010B	GELC
C2	6	7	06/23/06	196	35600	4590	7	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	09/14/07	F	F	CS	METALS	Aluminum	Al	4590	1.00	LANL Int BG LVL	1065.84	4.3	68	ug/L	1				SW-846:6010B	GELC
C2	6	7	06/23/06	3.1	14.8	3.5	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	09/14/07	F	F	CS	METALS	Chromium	Cr	3.2	0.91	LANL Int BG LVL	1	3.2	1	ug/L	1				SW-846:6020	GELC
C2	6	7	06/23/06	445	21300	2460	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	09/14/07	F	F	CS	METALS	Iron	Fe	2380	0.97	LANL Int BG LVL	839.99	2.6	25	ug/L	1				SW-846:6010B	GELC
C2	6	7	06/23/06	0.065	0.61	0.18	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	09/14/07	F	F	CS	METALS	Mercury	Hg	0.12	0.67	LANL Int BG LVL	0.06	2.0	0.03	ug/L	1	J	JN-	WQ2	EPA:245.2	GELC
C2	6	7	06/23/06	0.78	20	3	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	09/14/07	F	F	CS	METALS	Lead	Pb	2.8	0.93	LANL Int BG LVL	0.5	5.6	0.5	ug/L	1				SW-846:6020	GELC
C2	6	7	06/23/06	0.61	0.61	0.61	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	09/14/07	F	F	CS	METALS	Antimony	Sb	0.61	1.00	LANL Int BG LVL	0.5	1.2	0.5	ug/L	1	J			SW-846:6020	GELC
C2	6	7	06/23/06	3.3	64.9	17.15	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	09/14/07	F	F	CS	METALS	Zinc	Zn	13.4	0.76	LANL Int BG LVL	2	6.7	2	ug/L	1				SW-846:6010B	GELC
C2	10	10	03/12/01	0.58	0.88	0.6785	10	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-22	962.8	09/18/07	F	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	0.88	1.30	LANL Reg BG LVL	0.75	1.2	0.05	mg/L	5				EPA:353.2	GELC
C2	13	15	03/08/01	0.057	0.84	0.4485	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-22	1273.5	09/17/07	UF	F	CS	METALS	Mercury	Hg	0.84	1.87	LANL Reg BG LVL	0.06	14.0	0.03	ug/L	1				EPA:245.2	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
C2	8	8	09/24/01	4.35	5.51	5.015	8	White Rock Canyon and Rio Grande	Regional Spring	Spring 3	0	09/24/07		F	CS	GENINORG	Chloride	Cl(-1)	4.56	0.91	LANL Reg BG LVL	3.75	1.2	0.066	mg/L	1			EPA:300.0	GELC	
C2	4	4	09/26/05	0.394	0.458	0.4295	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 3	0	09/24/07		F	CS	GENINORG	Perchlorate	ClO4	0.44	1.02	LANL Reg BG LVL	0.44	1.0	0.05	ug/L	1			SW-846:6850	GELC	
C2	8	8	09/24/01	1.18	1.84	1.27	7	White Rock Canyon and Rio Grande	Regional Spring	Spring 3	0	09/24/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.27	1.00	LANL Reg BG LVL	0.75	1.7	0.05	mg/L	5	J	I14b	EPA:353.2	GELC	
C2	7	8	09/24/01	23	122	54.7	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 3	0	09/24/07		F	CS	METALS	Iron	Fe	54.7	1.00	LANL Reg BG LVL	20.6	2.7	25	ug/L	1	J		SW-846:6010B	GELC	
C2	6	7	10/06/03	224	240	236	7	White Rock Canyon and Rio Grande	Regional Spring	Spring 3	0	09/24/07		F	CS	METALS	Strontium	Sr	240	1.02	LANL Reg BG LVL	179.84	1.3	1	ug/L	1			SW-846:6010B	GELC	
C2	7	13	02/25/03	1.854	2.267	2.1	13	White Rock Canyon and Rio Grande	Regional Spring	Spring 3	0	09/24/07		F	CS	METALS	Uranium	U	1.9	0.90	LANL Reg BG LVL	1.77	1.1	0.05	ug/L	1			SW-846:6020	GELC	
C2	8	9	09/25/00	3.39	4.36	3.95	9	White Rock Canyon and Rio Grande	Regional Spring	Spring 3A	0	09/24/07		F	CS	GENINORG	Chloride	Cl(-1)	3.8	0.96	LANL Reg BG LVL	3.75	1.0	0.066	mg/L	1			EPA:300.0	GELC	
C2	8	9	09/25/00	0.946	1.56	1	9	White Rock Canyon and Rio Grande	Regional Spring	Spring 3A	0	09/24/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.04	1.04	LANL Reg BG LVL	0.75	1.4	0.05	mg/L	5	J	I14b	EPA:353.2	GELC	
C2	7	8	09/25/00	33.4	33.4	33.4	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 3A	0	09/24/07		F	CS	METALS	Iron	Fe	33.4	1.00	LANL Reg BG LVL	20.6	1.6	25	ug/L	1	J		SW-846:6010B	GELC	
C2	7	8	09/25/00	210	239	224	8	White Rock Canyon and Rio Grande	Regional Spring	Spring 3A	0	09/24/07		F	CS	METALS	Strontium	Sr	231	1.03	LANL Reg BG LVL	179.84	1.3	1	ug/L	1			SW-846:6010B	GELC	
C2	8	9	09/26/00	6.17	6.9	6.47	9	White Rock Canyon and Rio Grande	Regional Spring	Spring 4	0	09/24/07		F	CS	GENINORG	Chloride	Cl(-1)	6.47	1.00	LANL Reg BG LVL	3.75	1.7	0.066	mg/L	1			EPA:300.0	GELC	
C2	4	5	09/26/05	0.598	0.64	0.622	5	White Rock Canyon and Rio Grande	Regional Spring	Spring 4	0	09/24/07		F	CS	GENINORG	Perchlorate	ClO4	0.64	1.03	LANL Reg BG LVL	0.44	1.5	0.05	ug/L	1			SW-846:6850	GELC	
C2	6	9	09/25/00	1.22	1.66	1.34	9	White Rock Canyon and Rio Grande	Regional Spring	Spring 4	0	09/24/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.25	0.93	LANL Reg BG LVL	0.75	1.7	0.05	mg/L	5	J	I14b	EPA:353.2	GELC	
C2	8	9	09/25/00	9.24	9.94	9.39	9	White Rock Canyon and Rio Grande	Regional Spring	Spring 4	0	09/24/07		F	CS	GENINORG	Sulfate	SO4(-2)	9.24	0.98	LANL Reg BG LVL	6.22	1.5	0.1	mg/L	1			EPA:300.0	GELC	
C2	4	5	09/27/05	6.29	6.51	6.42	5	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	09/25/07		F	CS	GENINORG	Chloride	Cl(-1)	6.29	0.98	LANL Reg BG LVL	3.75	1.7	0.066	mg/L	1			EPA:300.0	GELC	
C2	4	5	09/27/05	0.666	0.702	0.643	5	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	09/25/07		F	CS	GENINORG	Perchlorate	ClO4	0.653	1.02	LANL Reg BG LVL	0.44	1.5	0.05	ug/L	1			SW-846:6850	GELC	
C2	4	5	09/27/05	1.32	1.38	1.35	5	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	09/25/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.38	1.02	LANL Reg BG LVL	0.75	1.8	0.05	mg/L	5	J	I14b	EPA:353.2	GELC	
C2	4	5	09/27/05	8.99	9.61	9.36	5	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	09/25/07		F	CS	GENINORG	Sulfate	SO4(-2)	8.99	0.96	LANL Reg BG LVL	6.22	1.5	0.1	mg/L	1			EPA:300.0	GELC	
C2	3	3	09/19/06	6.1	6.1	6.1	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	09/25/07		F	CS	METALS	Arsenic	As	6.1	1.00	LANL Reg BG LVL	6	1.0	1.5	ug/L	1			SW-846:6020	GELC	
C2	3	3	09/19/06	75.7	75.7	75.7	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	09/25/07		F	CS	METALS	Iron	Fe	75.7	1.00	LANL Reg BG LVL	20.6	3.7	25	ug/L	1	J		SW-846:6010B	GELC	
C2	3	3	09/19/06	1.3	1.9	1.7	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	09/25/07		F	CS	METALS	Uranium	U	1.9	1.12	LANL Reg BG LVL	1.77	1.1	0.05	ug/L	1			SW-846:6020	GELC	
C2	3	3	09/18/06	25.4	26.8	26.4	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	GENINORG	Calcium	Ca	26.4	1.00	LANL Reg BG LVL	24.12	1.1	0.03	mg/L	1			SW-846:6010B	GELC	
C2	4	4	09/26/05	7.19	7.9	7.585	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	GENINORG	Chloride	Cl(-1)	7.46	0.98	LANL Reg BG LVL	3.75	2.0	0.066	mg/L	1			EPA:300.0	GELC	
C2	4	4	09/26/05	0.321	0.452	0.3686	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	GENINORG	Perchlorate	ClO4	0.452	1.13	LANL Reg BG LVL	0.44	1.0	0.05	ug/L	1			SW-846:6850	GELC	
C2	3	3	09/18/06	5.21	5.6	5.41	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	GENINORG	Magnesium	Mg	5.41	1.00	LANL Reg BG LVL	4.81	1.1	0.085	mg/L	1			SW-846:6010B	GELC	
C2	4	4	09/26/05	0.239	0.795	0.527	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	0.795	1.51	LANL Reg BG LVL	0.75	1.1	0.05	mg/L	5	J	I14b	EPA:353.2	GELC	
C2	4	4	09/26/05	6.65	9.64	6.67	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	GENINORG	Sulfate	SO4(-2)	8.87	1.00	LANL Reg BG LVL	6.22	1.4	0.1	mg/L	1			EPA:300.0	GELC	
C2	3	3	09/18/06	0.979	1.53	0.992	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		UF	CS	GENINORG	Total Organic Carbon	TOC	0.992	1.00	LANL Reg BG LVL	0.46	2.2	0.33	mg/L	1	J		SW-846:9060	GELC	
C2	3	3	09/18/06	38.7	136	41.9	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	METALS	Iron	Fe	41.9	1.00	LANL Reg BG LVL	20.6	2.0	25	ug/L	1	J		SW-846:6010B	GELC	
C2	3	3	09/18/06	0.67	0.87	0.67	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		UF	CS	METALS	Mercury	Hg	0.87	1.00	LANL Reg BG LVL	0.06	14.5	0.03	ug/L	1	J+	HWQ6	EPA:245.2	GELC	
C2	3	3	09/18/06	11.4	12.8	12.1	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	METALS	Manganese	Mn	11.4	0.94	LANL Reg BG LVL	2	5.7	2	ug/L	1			SW-846:6010B	GELC	
C2	3	3	09/18/06	3.9	4.2	4.05	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	METALS	Zinc	Zn	3.9	0.96	LANL Reg BG LVL	2	2.0	2	ug/L	1	J		SW-846:6010B	GELC	
C2	4	4	09/27/05	5.52	5.85	5.72	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	09/24/07		F	CS	GENINORG	Chloride	Cl(-1)	5.7	1.00	LANL Reg BG LVL	3.75	1.5	0.066	mg/L	1			EPA:300.0	GELC	
C2	4	4	09/27/05	0.545	0.58	0.5655	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	09/24/07		F	CS	GENINORG	Perchlorate	ClO4	0.58	1.03	LANL Reg BG LVL	0.44	1.3	0.05	ug/L	1			SW-846:6850	GELC	
C2	3	3	09/18/06	5.08	5.66	5.55	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	09/24/07		F	CS	GENINORG	Magnesium	Mg	5.66	1.02	LANL Reg BG LVL	4.81	1.2	0.085	mg/L	1			SW-846:6010B	GELC	
C2	4	4	09/27/05	0.924	1.66	1.02	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	09/24/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.02	1.00	LANL Reg BG LVL	0.75	1.4	0.05	mg/L	5	J	I14b	EPA:353.2	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	Analyte1	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
C2	4	4	09/27/05	6.71	7.05	6.8	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	09/24/07		F	CS	GENINORG	Sulfate	SO4(-2)	6.78	1.00	LANL Reg BG LVL	6.22	1.1	0.1	mg/L	1				EPA:300.0	GELC
C2	4	4	09/27/05	0.063	0.552	0.3075	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	09/24/07		F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.063	0.20	LANL Reg BG LVL	0.04	1.6	0.029	mg/L	1	J	JN-	IWQ2	EPA:351.2	GELC
C2	10	12	09/25/00	4.37	5.12	4.605	12	White Rock Canyon and Rio Grande	Regional Spring	Spring 4A	0	09/24/07		F	CS	GENINORG	Chloride	Cl(-1)	4.53	0.98	LANL Reg BG LVL	3.75	1.2	0.066	mg/L	1				EPA:300.0	GELC
C2	4	5	09/27/05	0.457	0.529	0.509	5	White Rock Canyon and Rio Grande	Regional Spring	Spring 4A	0	09/24/07		F	CS	GENINORG	Perchlorate	ClO4	0.529	1.04	LANL Reg BG LVL	0.44	1.2	0.05	ug/L	1				SW-846:6850	GELC
C2	10	11	09/25/00	0.86	1.6	0.917	11	White Rock Canyon and Rio Grande	Regional Spring	Spring 4A	0	09/24/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	0.995	1.09	LANL Reg BG LVL	0.75	1.3	0.05	mg/L	5		J	I14b	EPA:353.2	GELC
C2	7	9	09/25/01	6.7	6.8	6.75	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 4A	0	09/24/07		F	CS	METALS	Zinc	Zn	6.7	0.99	LANL Reg BG LVL	2	3.4	2	ug/L	1	J			SW-846:6010B	GELC
C2	7	7	09/25/01	3.91	4.27	4.05	7	White Rock Canyon and Rio Grande	Regional Spring	Spring 5	0	09/25/07		F	CS	GENINORG	Chloride	Cl(-1)	4	0.99	LANL Reg BG LVL	3.75	1.1	0.066	mg/L	1				EPA:300.0	GELC
C2	7	7	09/25/01	1	1	1	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 5	0	09/25/07		F	CS	METALS	Nickel	Ni	1	1.00	LANL Reg BG LVL	1	1.0	0.5	ug/L	1	J			SW-846:6020	GELC
C2	7	7	09/25/01	4.1	6.7	5.4	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 5	0	09/25/07		F	CS	METALS	Zinc	Zn	4.1	0.76	LANL Reg BG LVL	2	2.1	2	ug/L	1	J			SW-846:6010B	GELC
C2	3	3	07/26/00	0.755	1.05	0.91	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 5B	0	09/25/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	0.755	0.83	LANL Reg BG LVL	0.75	1.0	0.01	mg/L	1				EPA:353.2	GELC
C2	6	7	09/26/00	3.43	15.7	3.46	3	White Rock Canyon and Rio Grande	Regional Spring	Ancho Spring	0	09/25/07		F	CS	METALS	Manganese	Mn	15.7	4.54	LANL Reg BG LVL	2	7.9	2	ug/L	1				SW-846:6010B	GELC
C2	3	3	09/27/05	0.176	0.176	0.176	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 6A	0	09/25/07		F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.176	1.00	LANL Reg BG LVL	0.04	4.4	0.029	mg/L	1				EPA:351.2	GELC
C2	6	6	09/25/01	1.1	1.1	1.1	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 6A	0	09/25/07		F	CS	METALS	Cobalt	Co	1.1	1.00	LANL Reg BG LVL	0.5	2.2	1	ug/L	1	J			SW-846:6010B	GELC
C2	6	6	09/25/01	0.77	3.1	2.73	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 6A	0	09/25/07		F	CS	METALS	Manganese	Mn	3.1	1.14	LANL Reg BG LVL	2	1.6	2	ug/L	1	J			SW-846:6010B	GELC
C2	2	2	09/20/06	0.923	1.57	1.2465	2	White Rock Canyon and Rio Grande	Regional Spring	Doe Spring	0	09/26/07		UF	CS	GENINORG	Total Organic Carbon	TOC	0.923	0.74	LANL Reg BG LVL	0.46	2.0	0.33	mg/L	1	J			SW-846:9060	GELC
C2	2	2	09/20/06	0.649	1.09	0.8695	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 9A	0	09/26/07		UF	CS	GENINORG	Total Organic Carbon	TOC	0.649	0.75	LANL Reg BG LVL	0.46	1.4	0.33	mg/L	1	J			SW-846:9060	GELC
C2	6	7	09/27/00	2.1	5.7	3.9	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 9A	0	09/26/07		F	CS	METALS	Zinc	Zn	2.1	0.54	LANL Reg BG LVL	2	1.1	2	ug/L	1	J			SW-846:6010B	GELC
C3	14	19	04/27/05	19.4	31.7	24.7	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	27	08/14/07	FD	F	CS	GENINORG	Perchlorate	ClO4	25.5	1.03	NMED GW CONS	4	12.8	2	ug/L	40		J	LMS1	SW-846:6850	GELC
C3	14	19	04/27/05	19.4	31.7	24.7	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	27	08/14/07		F	CS	GENINORG	Perchlorate	ClO4	25	1.01	NMED GW CONS	4	12.5	2	ug/L	40		J	LMS1	SW-846:6850	GELC
C3	35	43	02/24/00	0.852	1.51	1.1	43	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Fluoride	F(-1)	0.876	0.80	NM GW STD	1.6	1.1	0.033	mg/L	1		J+	IWO6	EPA:300.0	GELC
C3	35	43	02/24/00	0.852	1.51	1.1	43	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Fluoride	F(-1)	0.652	0.77	NM GW STD	1.6	1.1	0.033	mg/L	1		J+	IWO6	EPA:300.0	GELC
C3	13	17	04/28/05	23.5	47.5	27.7	17	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	GENINORG	Perchlorate	ClO4	24.5	0.88	NMED GW CONS	4	12.3	2	ug/L	40		J	LMS1	SW-846:6850	GELC
C3	36	44	02/24/00	1.07	2.13	1.36	43	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	GENINORG	Fluoride	F(-1)	1.25	0.92	NM GW STD	1.6	1.6	0.033	mg/L	1				EPA:300.0	GELC
C3	5	5	07/07/06	0.855	1.41	0.901	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	08/16/07		F	CS	GENINORG	Fluoride	F(-1)	1.13	1.25	NM GW STD	1.6	1.4	0.033	mg/L	1				EPA:300.0	GELC
C3	5	7	07/07/06	531	575	563	7	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	08/16/07		F	CS	GENINORG	Total Dissolved Solids	TDS	572	1.02	NM GW STD	1000	1.1	2.38	mg/L	1				EPA:160.1	GELC
C3	5	5	07/07/06	22.3	32.6	29.6	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	06/16/07		F	CS	METALS	Uranium	U	29.6	1.00	EPA PRIM DW STD	30	2.0	0.05	ug/L	1				SW-846:6020	GELC
C3	4	4	06/27/05	213	918	263	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-33	995.5	08/27/07		F	CS	METALS	Iron	Fe	918	3.49	NM GW STD	1000	1.8	25	ug/L	1				SW-846:6010B	GELC
C3	5	7	09/14/04	77.5	302	108	7	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial Spring	TA-18 Spring	0	09/17/07		F	CS	METALS	Manganese	Mn	141	1.31	NM GW STD	200	1.4	2	ug/L	1				SW-846:6010B	GELC
C3	5	6	08/29/06	583	3520	791.5	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-BG-1	10	09/10/07		F	CS	METALS	Aluminum	Al	3520	4.45	NM GW STD	5000	1.4	68	ug/L	1				SW-846:6010B	GELC
C3	5	7	08/30/06	6.7	6.7	6.7	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-5	8	09/13/07		UF	CS	METALS	Mercury	Hg	6.7	1.00	EPA PRIM DW STD	2	6.7	0.03	ug/L	1				EPA:245.2	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
C3	5	7	08/30/06	0.12	4.1	2.11	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-8	8	09/13/07	F	CS	METALS	Mercury	Hg	4.1	1.94	EPA PRIM DW STD	2	4.1	0.03	ug/L	1				EPA:245.2	GELC	
C3	5	6	08/31/06	238	545	368	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	F	CS	METALS	Iron	Fe	545	1.48	NM GW STD	1000	1.1	25	ug/L	1				SW-846:80103	GELC	
C3	5	6	08/31/06	0.0327	0.0327	0.0327	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	UF	CS	PEST/PCB	Dieldrin	60-57-1	0.0327	1.00	EPA TAP SCR N LVL C-5	0.04202	1.6	0.00532	ug/L	1	J			SW-846:8081A	GELC	
C3	2	2	07/11/07	0.122	0.135	0.1285	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-9	21.3	09/17/07	F	CS	GENINORG	Ammonia as Nitrogen	NH3-N	0.135	1.05	EPA TAP SCR N LVL	0.20657	1.3	0.03	mg/L	1		JN-	IWQ2	EPA:350.1	GELC	
C3	1	1	09/17/07	19.5	19.5	19.5	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-9	21.3	09/17/07	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	19.5	1.00	EPA PRIM DW STD	6	6.5	2.04	ug/L	1				SW-846:8270C	GELC	
C3	5	5	08/23/06	0.059	1.7	0.148	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07	F	CS	METALS	Mercury	Hg	1.7	11.49	EPA PRIM DW STD	2	1.7	0.03	ug/L	1				EPA:245.2	GELC	
C3	6	6	06/27/06	2.3	22.1	4.1	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07	UF	CS	METALS	Lead	Pb	8.8	2.15	EPA PRIM DW STD	15	1.2	0.5	ug/L	1				SW-846:8020	GELC	
C3	6	10	08/27/06	2.28	9.11	4.74	10	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07	UF	RE	VOA	Dichloroethene[1,1-]	75-35-4	4.68	0.99	NM GW STD	5	1.9	1.2	ug/L	4				SW-846:8260B	GELC	
C3	6	10	08/27/06	2.28	9.11	4.74	10	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07	UF	CS	VOA	Dichloroethene[1,1-]	75-35-4	5.73	1.21	NM GW STD	5	2.3	0.3	ug/L	1				SW-846:82805	GELC	
C3	6	7	06/23/06	3	23.5	4.5	7	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	09/14/07	UF	CS	METALS	Lead	Pb	12.6	2.80	EPA PRIM DW STD	15	1.7	0.5	ug/L	1				SW-846:8020	GELC	
C3	4	5	09/26/05	5.3	6.9	5.5	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 4	0	09/24/07	UF	CS	METALS	Arsenic	As	5.3	0.96	EPA PRIM DW STD	10	1.1	1.5	ug/L	1				SW-846:8020	GELC	
C3	3	3	09/19/06	6.1	6.1	6.1	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	09/25/07	F	CS	METALS	Arsenic	As	6.1	1.00	EPA PRIM DW STD	10	1.2	1.5	ug/L	1				SW-846:8020	GELC	
C3	6	7	09/25/01	5.8	5.8	5.8	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 6A	0	09/25/07	F	CS	METALS	Arsenic	As	5.8	1.00	EPA PRIM DW STD	10	1.2	1.5	ug/L	1				SW-846:8020	GELC	
C3	2	4	09/19/06	4.9	5	4.95	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 6AAA	0	09/25/07	FD	UF	CS	METALS	Arsenic	As	5	1.01	EPA PRIM DW STD	10	1.0	1.5	ug/L	1				SW-846:8020	GELC
C3	2	4	09/19/06	4.6	5.3	4.9	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 6AAA	0	09/25/07	FD	F	CS	METALS	Arsenic	As	5.3	1.08	EPA PRIM DW STD	10	1.1	1.5	ug/L	1				SW-846:8020	GELC
C4	14	19	04/27/05	19.4	31.7	24.7	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Perchlorate	ClO4	25.5	1.03	NMED GW CONS	4	12.6	2	ug/L	40	J	LMS1		SW-846:8850	GELC
C4	14	19	04/27/05	19.4	31.7	24.7	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	F	CS	GENINORG	Perchlorate	ClO4	25	1.01	NMED GW CONS	4	12.5	2	ug/L	40	J	LMS1		SW-846:8850	GELC	
C4	13	17	04/28/05	23.5	47.5	27.7	17	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07	F	CS	GENINORG	Perchlorate	ClO4	24.5	0.88	NMED GW CONS	4	12.3	2	ug/L	40	J	LMS1		SW-846:8850	GELC	
CA	14	19	04/27/05	19.4	31.7	24.7	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Perchlorate	ClO4	25.5	1.03	NMED GW CONS	4	6.4	2	ug/L	40	J	LMS1		SW-846:8850	GELC
CA	14	19	04/27/05	19.4	31.7	24.7	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	F	CS	GENINORG	Perchlorate	ClO4	25	1.01	NMED GW CONS	4	6.3	2	ug/L	40	J	LMS1		SW-846:8850	GELC	
CA	13	17	04/28/05	23.5	47.5	27.7	17	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07	F	CS	GENINORG	Perchlorate	ClO4	24.5	0.88	NMED GW CONS	4	6.1	2	ug/L	40	J	LMS1		SW-846:8850	GELC	
CA	5	7	08/30/06	6.7	6.7	6.7	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-8	8	09/13/07	UF	CS	METALS	Mercury	Hg	6.7	1.00	EPA PRIM DW STD	2	3.4	0.03	ug/L	1				EPA:245.2	GELC	
CA	5	7	06/30/06	0.12	4.1	2.11	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-8	8	09/13/07	F	CS	METALS	Mercury	Hg	4.1	1.94	EPA PRIM DW STD	2	2.1	0.03	ug/L	1				EPA:245.2	GELC	
CA	1	1	09/17/07	19.5	19.5	19.5	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-9	21.3	09/17/07	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	19.5	1.00	EPA PRIM DW STD	6	3.3	2.04	ug/L	1				SW-846:8270C	GELC	
CA	6	10	08/27/06	2.28	9.11	4.74	10	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07	UF	CS	VOA	Dichloroethene[1,1-]	75-35-4	5.73	1.21	NM GW STD	5	1.2	0.3	ug/L	1				SW-846:8280B	GELC	

Table 2: NMED 11-07 Groundwater Report Summary

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	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	Comments
C1	5	9	06/29/06	0.00000651	0.000019	0.00001322	4	Intermediate	MCOI-6	686	02/26/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin [1,2,3,4,6,7,8,9-]	3268-87-9	0.0000186	1.41				0.0000186	ug/L	1	J	J	SWQ6	4th detection of compound from Feb. 07 sampling, FD was non detect.
C1	5	6	08/31/06	0.0247	0.0247	0.0247	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Heptachlor Epoxide	1024-57-3	0.0247	1.00	EPA PRIM DW STD	0.2	0.1	0.00532	ug/L	1		J	PWQ6	The following 15 pesticides were not detected in the FD. Most of the results were J-flagged. DDT[4,4'-], DDD[4,4'-], and DDE[4,4'-] were detected before 6/14/07.
C1	5	6	08/31/06	0.0568	0.0568	0.0568	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Endosulfan Sulfate	1031-07-8	0.0568	1.00				0.00532	ug/L	1		J	PWQ6	
C1	5	6	08/31/06	0.0124	0.0124	0.0124	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Aldrin	309-00-2	0.0124	1.00	EPA TAP SCR N LVL C-5	0.039548	0.3	0.00532	ug/L	1	J			
C1	5	6	08/31/06	0.0127	0.0127	0.0127	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	BHC[alpha-]	319-84-6	0.0127	1.00	EPA TAP SCR N LVL C-5	0.10672	0.1	0.00532	ug/L	1	J			
C1	5	6	08/31/06	0.0383	0.0383	0.0383	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	BHC[beta-]	319-85-7	0.0383	1.00	EPA TAP SCR N LVL C-5	0.37351	0.1	0.00899	ug/L	1		J	PWQ6	
C1	5	6	08/31/06	0.027	0.027	0.027	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	BHC[delta-]	319-86-8	0.027	1.00				0.00532	ug/L	1		J	PWQ6	
C1	5	6	08/31/06	0.0468	0.0468	0.0468	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Endosulfan II	33213-65-9	0.0468	1.00				0.00532	ug/L	1		J	PWQ6	
C1	5	6	08/31/06	0.0163	0.042	0.02915	2	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	DDT[4,4'-]	50-29-3	0.042	1.44	EPA TAP SCR N LVL C-5	1.9774	0.0	0.0106	ug/L	1	J			
C1	5	6	08/31/06	0.0102	0.0102	0.0102	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	BHC[gamma-]	58-89-9	0.0102	1.00	EPA PRIM DW STD	0.2	0.1	0.00532	ug/L	1	J			
C1	5	6	08/31/06	0.0327	0.0327	0.0327	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Dieldrin	60-57-1	0.0327	1.00	EPA TAP SCR N LVL C-5	0.04202	0.8	0.00532	ug/L	1	J			
C1	5	6	08/31/06	0.0346	0.0346	0.0346	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Endrin	72-20-8	0.0346	1.00	EPA PRIM DW STD	2	0.0	0.00532	ug/L	1	J			
C1	5	6	08/31/06	0.0151	0.0448	0.02995	2	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	DDD[4,4'-]	72-54-8	0.0448	1.50	EPA TAP SCR N LVL C-5	2.8013	0.0	0.00532	ug/L	1		J	PWQ6	
C1	5	6	08/31/06	0.0209	0.0321	0.0265	2	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	DDE[4,4'-]	72-55-9	0.0321	1.21	EPA TAP SCR N LVL C-5	1.9774	0.0	0.00532	ug/L	1	J			
C1	5	6	08/31/06	0.0114	0.0114	0.0114	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Heptachlor	76-44-8	0.0114	1.00	EPA PRIM DW STD	0.4	0.0	0.00697	ug/L	1	J			
C1	5	6	08/31/06	0.0265	0.0265	0.0265	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Endosulfan I	959-98-8	0.0265	1.00				0.00532	ug/L	1		J	PWQ6	
C2	5	5	07/07/06	1.2	4.4	2.8	2	Intermediate Spring	Pine Rock Spring	0	08/16/07		F	CS	METALS	Chromium	Cr	4.4	1.57	LANL Int BG LVL	1	4.4	1	ug/L	1	J-	IWQ6	Highest to date, about 4 times greater than prior values	

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	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	Comments
C2	5	7	08/30/06	6.7	6.7	6.7	1	Alluvial	18-MW-8	8	09/13/07		UF	CS	METALS	Mercury	Hg	6.7	1.00	LANL Avl BG LVL	0.06	####	0.03	ug/L	1				First UF mercury detection in five sampling rounds
C2	5	7	08/30/06	0.12	4.1	2.11	2	Alluvial	18-MW-8	8	09/13/07		F	CS	METALS	Mercury	Hg	4.1	1.94	LANL Avl BG LVL	0.06	68.3	0.03	ug/L	1				2nd detect, 1st above STD.
C2	5	6	08/31/06	0.12	0.63	0.375	2	Alluvial	18-MW-11	27	09/13/07		UF	CS	METALS	Mercury	Hg	0.12	0.32	LANL Avl BG LVL	0.06	2.0	0.03	ug/L	1	J	J, JN-	IWQ6, IWQ2	Duplicate samples are only detections for this location out of total 13 F and UF samples
C2	5	6	08/31/06	0.12	0.63	0.375	2	Alluvial	18-MW-11	27	09/13/07	FD	UF	CS	METALS	Mercury	Hg	0.63	1.68	LANL Avl BG LVL	0.06	10.5	0.03	ug/L	1		J	IWQ6	Duplicate samples are only detections for this location out of total 13 F and UF samples
C2	5	5	08/23/06	0.059	1.7	0.148	4	Intermediate	03-B-10	20.6	09/18/07		F	CS	METALS	Mercury	Hg	1.7	11.49	LANL Int BG LVL	0.06	28.3	0.03	ug/L	1				Highest result, UF was 0.14 ug/L, prior values range from 0.056 - 0.2 ug/L.
C2	13	15	03/08/01	0.057	0.84	0.4485	2	Regional	R-22	1273.5	09/17/07		UF	CS	METALS	Mercury	Hg	0.84	1.87	LANL Reg BG LVL	0.06	14.0	0.03	ug/L	1				Possible method blank contamination. 15 times greater than other detect, All F samples from this screen were non detect.
C2	3	3	09/19/06	6.1	6.1	6.1	1	Regional Spring	Spring 4C	0	09/25/07		F	CS	METALS	Arsenic	As	6.1	1.00	LANL Reg BG LVL	6	1.0	1.5	ug/L	1				UF was 4 ug/L, prior values range from 1.6 - 4 ug/L.
C2	3	3	09/18/06	0.87	0.87	0.87	1	Regional Spring	Spring 4B	0	09/25/07		UF	CS	METALS	Mercury	Hg	0.87	1.00	LANL Reg BG LVL	0.06	14.5	0.03	ug/L	1		J+	IWQ6	Onle detection for this well out of total 12 samples, including F and UF.
C3	5	7	08/30/06	6.7	6.7	6.7	1	Alluvial	18-MW-8	8	09/13/07		UF	CS	METALS	Mercury	Hg	6.7	1.00	EPA PRIM DW STD	2	6.7	0.03	ug/L	1				First UF mercury detection in five sampling rounds
C3	5	7	08/30/06	0.12	4.1	2.11	2	Alluvial	18-MW-8	8	09/13/07		F	CS	METALS	Mercury	Hg	4.1	1.94	EPA PRIM DW STD	2	4.1	0.03	ug/L	1				2nd detect, 1st above STD.
C3	5	6	08/31/06	0.0327	0.0327	0.0327	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Dieldrin	60-57-1	0.0327	1.00	EPA TAP SCRNLVL C-5	0.04202	1.6	0.00532	ug/L	1	J			FD was non detect
C3	5	5	08/23/06	0.059	1.7	0.148	4	Intermediate	03-B-10	20.6	09/18/07		F	CS	METALS	Mercury	Hg	1.7	11.49	EPA PRIM DW STD	2	1.7	0.03	ug/L	1				Highest result, UF was 0.14 ug/L, prior values range from 0.056 - 0.2 ug/L.
C3	6	6	06/27/06	2.3	22.1	4.1	6	Intermediate	03-B-10	20.6	09/18/07		UF	CS	METALS	Lead	Pb	8.8	2.15	EPA PRIM DW STD	15	1.2	0.5	ug/L	1				1st above 1/2 STD after 6/14/07. F was 2.3 ug/L.
C3	3	3	09/19/06	6.1	6.1	6.1	1	Regional Spring	Spring 4C	0	09/25/07		F	CS	METALS	Arsenic	As	6.1	1.00	EPA PRIM DW STD	10	1.2	1.5	ug/L	1				UF was 4 ug/L, prior values range from 1.6 - 4 ug/L.
C3	6	7	09/25/01	5.8	5.8	5.8	1	Regional Spring	Spring 6A	0	09/25/07		F	CS	METALS	Arsenic	As	5.8	1.00	EPA PRIM DW STD	10	1.2	1.5	ug/L	1				UF was 3 ug/L, prior values range from 2-4 ug/L.
C3	2	4	09/19/06	4.9	5	4.95	2	Regional Spring	Spring 6AAA	0	09/25/07	FD	UF	CS	METALS	Arsenic	As	5	1.01	EPA PRIM DW STD	10	1.0	1.5	ug/L	1				2nd detect, 1st above 1/2 STD.

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Zone	Location	Port Depth	Start Date	Fld QC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Comments
C3	2	4	09/19/06	4.5	5.3	4.9	2	Regional Spring	Spring 6AAA	0	09/25/07	FD	F	CS	METALS	Arsenic	As	5.3	1.08	EPA PRIM DW STD	10	1.1	1.5	ug/L	1				2nd detect, 1st above 1/2 STD.
CA	5	7	08/30/06	6.7	6.7	6.7	1	Alluvial	18-MW-8	8	09/13/07		UF	CS	METALS	Mercury	Hg	6.7	1.00	EPA PRIM DW STD	2	3.4	0.03	ug/L	1				First UF mercury detection in five sampling rounds
CA	5	7	08/30/06	0.12	4.1	2.11	2	Alluvial	18-MW-8	8	09/13/07		F	CS	METALS	Mercury	Hg	4.1	1.94	EPA PRIM DW STD	2	2.1	0.03	ug/L	1				2nd detect, 1st above STD.

SUMMARY OF NEW LOS ALAMOS NATIONAL LABORATORY GROUNDWATER DATA LOADED IN NOVEMBER 2007

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 Settlement Agreement and Stipulated Final Order (Stipulated Order) signed by NMED, U.S. Department of Energy, and Los Alamos National Security, LLC, on June 14, 2007. 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 tables.

The report includes two tables:

Table 1: NMED 11-07 Groundwater Report. This table satisfies the Stipulated Order requirements for reporting November groundwater data and contains 278 items. In accordance with the Stipulated Order, previous data to be evaluated to determine whether specified levels have been exceeded, or to determine trends in data for three consecutive samples, include only data acquired after June 14, 2007, the effective date of the Stipulated Order.

Table 1 is quite large because monitoring data acquired before June 14, 2007, are not included in evaluating new results against the criteria. Thus, many results meet criteria in the Stipulated Order but are similar to sampling results found at monitoring locations before June 14, 2007.

Table 2: NMED 11-07 Groundwater Report Summary. This table focuses on results that are first-time occurrences of results based on considering monitoring data acquired before June 14, 2007 (using statistics described below) and contains 36 items. This table includes additional comments on significance of the results.

Both tables contain supplemental information summarizing monitoring results obtained before June 14, 2007.

The tables include sampling date, identification of the well or spring, the location of the well or spring, the depth of the screened interval, 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. Generally, all data have been through secondary validation, as indicated in the tables by a preliminary flag of N. The definitions for abbreviations in the tables may be found at <http://wqdbworld.lanl.gov/> under "Lookup Tables" under the menu on the left side of the page.

In accordance with the Stipulated 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 tables, 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 March 1, 2005, Compliance Order on Consent.

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 three consecutive samples. No results are included for these criteria in the tables because no location has been sampled a sufficient number of times since June 14, 2007, to meet the criteria.

DESCRIPTION OF TABLES

The tables are divided into separate categories that correspond to the seven screening criteria in the Stipulated 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 tables 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 number of sampling events and the 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://wqdbworld.lanl.gov/>)

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/RiskCode—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 11-07 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fld OC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code
C1	5	5	06/29/06	1.56	3.56	2.56	2	Sandia Canyon	Regional	R-10	1042	06/19/07		UF	CS	VOA	Acetone	67-64-1	1.56	0.61	EPA TAP SCRNLVL N	5475	0.0	1.25	ug/L	1	J			SW-846:8260B	GELC
C1	7	10	11/30/05	2.28	2.85	2.83	3	Sandia Canyon	Regional	R-10a	690	02/20/07		UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	2.28	0.81	EPA PRIM DW STD	6	0.4	2.17	ug/L	1	J			SW-846:8270C	GELC
C1	7	9	11/30/05	1.61	4.28	2.7	5	Sandia Canyon	Regional	R-10a	690	06/19/07		UF	CS	VOA	Acetone	67-64-1	1.85	0.69	EPA TAP SCRNLVL N	5475	0.0	1.25	ug/L	1	J			SW-846:8260B	GELC
C1	7	9	11/30/05	1.61	4.28	2.7	5	Sandia Canyon	Regional	R-10a	690	06/19/07	FD	UF	CS	VOA	Acetone	67-64-1	1.61	0.60	EPA TAP SCRNLVL N	5475	0.0	1.25	ug/L	1	J			SW-846:8260B	GELC
C1	10	11	08/07/01	2.11	3.2	2.655	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	2.11	0.79	EPA PRIM DW STD	6	0.4	2	ug/L	1	J			SW-846:8270C	GELC
C1	1	2	02/27/07	0.00000876	0.00000876	0.00000876	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-6	34	02/27/07	FD	UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.00000876	1.00				0.00000876	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	5	9	06/29/06	0.00000651	0.000019	0.00001322	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	02/26/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.0000186	1.41				0.0000186	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	5	6	08/31/06	0.0247	0.0247	0.0247	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Heptachlor Epoxide	1024-57-3	0.0247	1.00	EPA PRIM DW STD	0.2	0.1	0.00532	ug/L	1		J	PWQ6	SW-846:8081A	GELC
C1	5	6	08/31/06	0.0568	0.0568	0.0568	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Endosulfan Sulfate	1031-07-8	0.0568	1.00				0.00532	ug/L	1		J	PWQ6	SW-846:8081A	GELC
C1	5	6	08/31/06	0.0124	0.0124	0.0124	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Aldrin	309-00-2	0.0124	1.00	EPA TAP SCRNLVL C-5	0.039548	0.3	0.00532	ug/L	1	J			SW-846:8081A	GELC
C1	5	6	08/31/06	0.0127	0.0127	0.0127	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	BHC[alpha-]	319-84-6	0.0127	1.00	EPA TAP SCRNLVL C-5	0.10672	0.1	0.00532	ug/L	1	J			SW-846:8081A	GELC
C1	5	6	08/31/06	0.0383	0.0383	0.0383	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	BHC[beta-]	319-85-7	0.0383	1.00	EPA TAP SCRNLVL C-5	0.37351	0.1	0.00899	ug/L	1		J	PWQ6	SW-846:8081A	GELC
C1	5	6	08/31/06	0.027	0.027	0.027	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	BHC[delta-]	319-86-8	0.027	1.00				0.00532	ug/L	1		J	PWQ6	SW-846:8081A	GELC
C1	5	6	08/31/06	0.0468	0.0468	0.0468	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Endosulfan II	33213-65-9	0.0468	1.00				0.00532	ug/L	1		J	PWQ6	SW-846:8081A	GELC
C1	5	6	08/31/06	0.0163	0.042	0.02915	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	DDT[4,4'-]	50-29-3	0.042	1.44	EPA TAP SCRNLVL C-5	1.9774	0.0	0.0106	ug/L	1	J			SW-846:8081A	GELC
C1	5	6	08/31/06	0.0102	0.0102	0.0102	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	BHC[gamma-]	58-89-9	0.0102	1.00	EPA PRIM DW STD	0.2	0.1	0.00532	ug/L	1	J			SW-846:8081A	GELC
C1	5	6	08/31/06	0.0327	0.0327	0.0327	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Dieldrin	60-57-1	0.0327	1.00	EPA TAP SCRNLVL C-5	0.04202	0.8	0.00532	ug/L	1	J			SW-846:8081A	GELC
C1	5	6	08/31/06	0.0346	0.0346	0.0346	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Endrin	72-20-8	0.0346	1.00	EPA PRIM DW STD	2	0.0	0.00532	ug/L	1	J			SW-846:8081A	GELC
C1	5	6	08/31/06	0.0151	0.0448	0.02995	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	DDD[4,4'-]	72-54-8	0.0448	1.50	EPA TAP SCRNLVL C-5	2.8013	0.0	0.00532	ug/L	1		J	PWQ6	SW-846:8081A	GELC
C1	5	6	08/31/06	0.0209	0.0321	0.0265	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	DDE[4,4'-]	72-55-9	0.0321	1.21	EPA TAP SCRNLVL C-5	1.9774	0.0	0.00532	ug/L	1	J			SW-846:8081A	GELC
C1	5	6	08/31/06	0.0114	0.0114	0.0114	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Heptachlor	76-44-8	0.0114	1.00	EPA PRIM DW STD	0.4	0.0	0.00697	ug/L	1	J			SW-846:8081A	GELC
C1	5	6	08/31/06	0.0265	0.0265	0.0265	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Endosulfan I	959-98-8	0.0265	1.00				0.00532	ug/L	1		J	PWQ6	SW-846:8081A	GELC
C1	1	1	09/17/07	19.5	19.5	19.5	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-9	21.3	09/17/07		UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	19.5	1.00	EPA PRIM DW STD	6	3.3	2.04	ug/L	1				SW-846:8270C	GELC
C1	1	1	09/17/07	20.2	20.2	20.2	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-9	21.3	09/17/07		UF	CS	SVOA	Dioxane[1,4-]	123-91-1	20.2	1.00	EPA TAP SCRNLVL C-5	61.12	0.3	1.02	ug/L	1				SW-846:8270C	GELC
C1	2	2	07/11/07	0.32	0.32	0.32	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-9	21.3	09/17/07		UF	CS	VOA	Toluene	108-88-3	0.32	1.00	NM GW STD	750	0.0	0.25	ug/L	1	J			SW-846:8260B	GELC

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fid OC Type Code	Fid Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analytel	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	2	2	07/11/07	3.57	3.57	3.57	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-9	21.3	09/17/07		UF	CS	VOA	Acetone	67-64-1	3.57	1.00	EPA TAP SCR N LVL N	5475	0.0	1.25	ug/L	1	J	J-	VWQ9	SW-846:8260B	GELC
C1	6	10	06/27/06	1.02	1.02	1.02	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07		UF	RE	VOA	Toluene	108-88-3	1.02	1.00	NM GW STD	750	0.0	1	ug/L	4	J	J	VWQ5	SW-846:8260B	GELC
C1	2	2	10/17/06	0.386	0.386	0.386	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-17	1124	09/18/07		UF	CS	VOA	Diethyl Ether	60-29-7	0.386	1.00	EPA TAP SCR N LVL N	1216.7	0.0	0.3	ug/L	1	J			SW-846:8260B	GELC
C1	13	14	03/08/01	2.38	2.38	2.38	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-22	1273.5	09/17/07		UF	CS	VOA	Methylene Chloride	75-09-2	2.38	1.00	EPA PRIM DW STD	5	0.5	2	ug/L	1	J	J-	VWQ3	SW-846:8260B	GELC
C1	10	11	09/25/01	0.13	0.83	0.48	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring Upper Stormwater Filter Sample Port	0	07/28/06		UF	CS	HEXP	MNX	MNX	0.83	1.73				0.07	ug/L	1				SW-846:8330	STSL
C1	10	11	09/25/01	0.061	0.57	0.3155	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring Upper Stormwater Filter Sample Port	0	07/28/06		UF	CS	HEXP	TNX	TNX	0.57	1.81				0.041	ug/L	1				SW-846:8330	STSL
C1	5	5	09/26/00	6.38	6.38	6.38	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 8A	0	09/25/07		UF	CS	SVOA	Di-n-octylphthalate	117-84-0	6.38	1.00	EPA TAP SCR N LVL N	1460	0.0	3	ug/L	1	J	J+	SWQ9	SW-846:8270C	GELC
C1	4	4	09/27/00	3.61	3.61	3.61	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 9A	0	09/26/07		UF	CS	SVOA	Di-n-octylphthalate	117-84-0	3.61	1.00	EPA TAP SCR N LVL N	1460	0.0	3.19	ug/L	1	J	J+	SWQ9	SW-846:8270C	GELC
C2	4	4	10/12/06	0.465	0.56	0.514	4	Sandia Canyon	Regional	R-10	874	08/15/07		F	CS	GENINORG	Perchlorate	CIO4	0.501	0.97	LANL Reg BG LVL	0.44	1.1	0.05	ug/L	1		J	LMS1	SW-846:6850	GELC
C2	4	4	10/12/06	0.465	0.56	0.514	4	Sandia Canyon	Regional	R-10	874	02/21/07		F	CS	GENINORG	Perchlorate	CIO4	0.56	1.09	LANL Reg BG LVL	0.44	1.3	0.05	ug/L	1				SW-846:6850	GELC
C2	5	5	06/29/06	0.343	1.18	0.657	5	Sandia Canyon	Regional	R-10	874	08/15/07		UF	CS	GENINORG	Total Organic Carbon	TOC	0.695	1.06	LANL Reg BG LVL	0.46	1.5	0.33	mg/L	1	J			SW-846:9060	GELC
C2	4	4	10/12/06	8.4	14.8	11.2	4	Sandia Canyon	Regional	R-10	874	02/21/07		F	CS	METALS	Zinc	Zn	11.4	1.02	LANL Reg BG LVL	2	5.7	2	ug/L	1				SW-846:6010B	GELC
C2	4	4	10/12/06	8.4	14.8	11.2	4	Sandia Canyon	Regional	R-10	874	08/15/07		F	CS	METALS	Zinc	Zn	11	0.98	LANL Reg BG LVL	2	5.5	2	ug/L	1				SW-846:6010B	GELC
C2	5	5	06/29/06	0.102	0.102	0.102	1	Sandia Canyon	Regional	R-10	1042	06/19/07		F	CS	GENINORG	Bromide	Br(-1)	0.102	1.00	LANL Reg BG LVL	0.07	1.5	0.066	mg/L	1	J			EPA:300.0	GELC
C2	5	5	06/29/06	0.439	0.553	0.493	5	Sandia Canyon	Regional	R-10	1042	08/15/07		F	CS	GENINORG	Perchlorate	CIO4	0.455	0.92	LANL Reg BG LVL	0.44	1.0	0.05	ug/L	1		J	LMS1	SW-846:6850	GELC
C2	5	5	06/29/06	0.439	0.553	0.493	5	Sandia Canyon	Regional	R-10	1042	02/21/07		F	CS	GENINORG	Perchlorate	CIO4	0.553	1.12	LANL Reg BG LVL	0.44	1.3	0.05	ug/L	1				SW-846:6850	GELC
C2	5	5	06/29/06	0.488	1.28	0.6075	4	Sandia Canyon	Regional	R-10	1042	08/15/07		UF	CS	GENINORG	Total Organic Carbon	TOC	0.627	1.03	LANL Reg BG LVL	0.46	1.4	0.33	mg/L	1	J			SW-846:9060	GELC
C2	5	5	06/29/06	0.58	1.3	0.71	5	Sandia Canyon	Regional	R-10	1042	08/15/07		F	CS	METALS	Nickel	Ni	1.3	1.83	LANL Reg BG LVL	1	1.3	0.5	ug/L	1	J			SW-846:6020	GELC
C2	5	5	06/29/06	7	13.1	10.4	5	Sandia Canyon	Regional	R-10	1042	08/15/07		F	CS	METALS	Zinc	Zn	7.1	0.68	LANL Reg BG LVL	2	3.6	2	ug/L	1	J			SW-846:6010B	GELC
C2	5	5	06/29/06	7	13.1	10.4	5	Sandia Canyon	Regional	R-10	1042	02/21/07		F	CS	METALS	Zinc	Zn	10.4	1.00	LANL Reg BG LVL	2	5.2	2	ug/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	73.3	127	106	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	106	1.00	LANL Reg BG LVL	105.14	1.0	0.725	mg/L	1				EPA:310.1	GELC
C2	7	9	11/30/05	0.08	0.114	0.0995	6	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	GENINORG	Bromide	Br(-1)	0.114	1.15	LANL Reg BG LVL	0.07	1.6	0.066	mg/L	1	J			EPA:300.0	GELC
C2	7	9	11/30/05	29.3	35.2	31	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	GENINORG	Calcium	Ca	29.3	0.95	LANL Reg BG LVL	24.12	1.2	0.03	mg/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	29.3	35.2	31	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	GENINORG	Calcium	Ca	31	1.00	LANL Reg BG LVL	24.12	1.3	0.036	mg/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	5.83	6.29	5.99	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	GENINORG	Chloride	Cl(-1)	5.84	0.97	LANL Reg BG LVL	3.75	1.6	0.066	mg/L	1				EPA:300.0	GELC
C2	7	9	11/30/05	5.83	6.29	5.99	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	GENINORG	Chloride	Cl(-1)	6.09	1.02	LANL Reg BG LVL	3.75	1.6	0.066	mg/L	1				EPA:300.0	GELC
C2	6	8	02/01/06	0.6	0.753	0.645	8	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	GENINORG	Perchlorate	CIO4	0.646	1.00	LANL Reg BG LVL	0.44	1.5	0.05	ug/L	1				SW-846:6850	GELC
C2	6	8	02/01/06	0.6	0.753	0.645	8	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	GENINORG	Perchlorate	CIO4	0.644	1.00	LANL Reg BG LVL	0.44	1.5	0.05	ug/L	1		J	LMS1	SW-846:6850	GELC
C2	7	9	11/30/05	3.19	3.56	3.38	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	GENINORG	Potassium	K	3.56	1.05	LANL Reg BG LVL	3.14	1.1	0.05	mg/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	3.19	3.56	3.38	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	GENINORG	Potassium	K	3.29	0.97	LANL Reg BG LVL	3.14	1.1	0.05	mg/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	0.962	2.08	1.33	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.08	1.56	LANL Reg BG LVL	0.75	2.8	0.05	mg/L	5				EPA:353.1	GELC

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	FH OC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analytel	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	7	9	11/30/05	0.962	2.08	1.33	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.19	0.89	LANL Reg BG LVL	0.75	1.6	0.05	mg/L	5		J-	I3a	EPA:353.2	GELC
C2	7	9	11/30/05	10	12.9	10.4	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	GENINORG	Sulfate	SO4(-2)	10	0.96	LANL Reg BG LVL	6.22	1.6	0.1	mg/L	1				EPA:300.0	GELC
C2	7	9	11/30/05	10	12.9	10.4	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	GENINORG	Sulfate	SO4(-2)	10.2	0.98	LANL Reg BG LVL	6.22	1.6	0.1	mg/L	1				EPA:300.0	GELC
C2	6	11	02/01/06	187	219	197	11	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	GENINORG	Total Dissolved Solids	TDS	190	0.96	LANL Reg BG LVL	182.54	1.0	2.38	mg/L	1				EPA:160.1	GELC
C2	6	11	02/01/06	187	219	197	11	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	GENINORG	Total Dissolved Solids	TDS	197	1.00	LANL Reg BG LVL	182.54	1.1	2.38	mg/L	1				EPA:160.1	GELC
C2	6	8	11/30/05	0.493	1.04	0.7825	6	Sandia Canyon	Regional	R-10a	690	08/15/07		UF	CS	GENINORG	Total Organic Carbon	TOC	0.793	1.01	LANL Reg BG LVL	0.46	1.7	0.33	mg/L	1	J			SW-846:9060	GELC
C2	7	9	11/30/05	87.2	104	91.7	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	METALS	Barium	Ba	90.9	0.99	LANL Reg BG LVL	69.2	1.3	1	ug/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	87.2	104	91.7	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	METALS	Barium	Ba	92.3	1.01	LANL Reg BG LVL	69.2	1.3	1	ug/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	3.1	5	3.85	6	Sandia Canyon	Regional	R-10a	690	06/19/07	FD	F	CS	METALS	Copper	Cu	3.3	0.86	LANL Reg BG LVL	3	1.1	3	ug/L	1	J			SW-846:6010B	GELC
C2	7	9	11/30/05	3.1	5	3.85	6	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	METALS	Copper	Cu	5	1.30	LANL Reg BG LVL	3	1.7	3	ug/L	1	J			SW-846:6010B	GELC
C2	7	9	11/30/05	3.1	5	3.85	6	Sandia Canyon	Regional	R-10a	690	06/19/07		F	CS	METALS	Copper	Cu	3.1	0.81	LANL Reg BG LVL	3	1.0	3	ug/L	1	J			SW-846:6010B	GELC
C2	7	9	11/30/05	28	79.8	38.55	6	Sandia Canyon	Regional	R-10a	690	06/19/07	FD	F	CS	METALS	Iron	Fe	29.5	0.77	LANL Reg BG LVL	20.6	1.4	18	ug/L	1	J			SW-846:6010B	GELC
C2	7	9	11/30/05	28	79.8	38.55	6	Sandia Canyon	Regional	R-10a	690	06/19/07		F	CS	METALS	Iron	Fe	29.2	0.76	LANL Reg BG LVL	20.6	1.4	18	ug/L	1	J			SW-846:6010B	GELC
C2	7	9	11/30/05	0.89	2	1.4	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	METALS	Nickel	Ni	1.4	1.00	LANL Reg BG LVL	1	1.4	0.5	ug/L	1	J			SW-846:6020	GELC
C2	7	9	11/30/05	0.89	2	1.4	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	METALS	Nickel	Ni	1	0.71	LANL Reg BG LVL	1	1.0	0.5	ug/L	1	J			SW-846:6020	GELC
C2	7	9	11/30/05	219	244	229	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	METALS	Strontium	Sr	236	1.03	LANL Reg BG LVL	179.84	1.3	1	ug/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	219	244	229	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	METALS	Strontium	Sr	222	0.97	LANL Reg BG LVL	179.84	1.2	1	ug/L	1				SW-846:6010B	GELC
C2	7	9	11/30/05	3	4.6	3.4	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	METALS	Uranium	U	3.4	1.00	LANL Reg BG LVL	1.77	1.9	0.05	ug/L	1				SW-846:6020	GELC
C2	7	9	11/30/05	3	4.6	3.4	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	METALS	Uranium	U	3.5	1.03	LANL Reg BG LVL	1.77	2.0	0.05	ug/L	1				SW-846:6020	GELC
C2	7	9	11/30/05	7.5	111	15.4	9	Sandia Canyon	Regional	R-10a	690	02/20/07		F	CS	METALS	Zinc	Zn	28.8	1.87	LANL Reg BG LVL	2	14.4	2	ug/L	1		J+	IWQ6	SW-846:6010B	GELC
C2	7	9	11/30/05	7.5	111	15.4	9	Sandia Canyon	Regional	R-10a	690	08/15/07		F	CS	METALS	Zinc	Zn	7.5	0.49	LANL Reg BG LVL	2	3.8	2	ug/L	1	J			SW-846:6010B	GELC
C2	23	30	05/24/01	1.04	73.1	1.88	29	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	08/13/07		F	RE	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.78	0.95	LANL Avl BG LVL	0.57	3.1	0.05	mg/L	5	H	J	I9	EPA:353.2	GELC
C2	20	26	05/24/01	0.136	0.542	0.2725	18	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	08/13/07		F	RE	GENINORG	Total Kjeldahl Nitrogen	TKN	0.283	1.04	LANL Avl BG LVL	0.04	7.1	0.029	mg/L	1	H	J	I9	EPA:351.2	GELC
C2	11	14	08/06/01	117	181	152	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	128	0.84	LANL Avl BG LVL	76	1.7	0.725	mg/L	1				EPA:310.1	GELC
C2	11	14	08/06/01	117	181	152	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	124	0.82	LANL Avl BG LVL	76	1.6	0.725	mg/L	1				EPA:310.1	GELC
C2	11	14	08/06/01	29	46.7	32	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Calcium	Ca	38.4	1.20	LANL Avl BG LVL	26.36	1.5	0.03	mg/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	29	46.7	32	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Calcium	Ca	37.9	1.18	LANL Avl BG LVL	26.36	1.4	0.03	mg/L	1				SW-846:6010B	GELC
C2	14	19	04/27/05	19.4	31.7	24.7	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Perchlorate	ClO4	25	1.01	LANL Avl BG LVL	0.05	####	2	ug/L	40		J	LMS1	SW-846:6850	GELC
C2	14	19	04/27/05	19.4	31.7	24.7	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Perchlorate	ClO4	25.5	1.03	LANL Avl BG LVL	0.05	####	2	ug/L	40		J	LMS1	SW-846:6850	GELC
C2	35	43	02/24/00	0.852	1.51	1.1	43	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Fluoride	F(-1)	0.852	0.77	LANL Avl BG LVL	0.27	3.2	0.033	mg/L	1		J+	IWQ6	EPA:300.0	GELC
C2	35	43	02/24/00	0.852	1.51	1.1	43	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Fluoride	F(-1)	0.876	0.80	LANL Avl BG LVL	0.27	3.2	0.033	mg/L	1		J+	IWQ6	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	Flt OC Type Code	Flt Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analytel	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	11	14	08/06/01	13.4	16.6	15.5	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Potassium	K	16.1	1.04	LANL Avl BG LVL	5.21	3.1	0.05	mg/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	13.4	16.6	15.5	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Potassium	K	15.8	1.02	LANL Avl BG LVL	5.21	3.0	0.05	mg/L	1				SW-846:6010B	GELC
C2	35	44	02/24/00	1.26	241	2.17	44	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.76	0.81	LANL Avl BG LVL	0.57	3.1	0.05	mg/L	5				EPA:353.2	GELC
C2	35	44	02/24/00	1.26	241	2.17	44	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.72	0.79	LANL Avl BG LVL	0.57	3.0	0.05	mg/L	5				EPA:353.2	GELC
C2	11	14	08/06/01	54	71.3	64.05	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Sodium	Na	63.5	0.99	LANL Avl BG LVL	15.54	4.1	0.045	mg/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	54	71.3	64.05	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Sodium	Na	65.2	1.02	LANL Avl BG LVL	15.54	4.2	0.045	mg/L	1				SW-846:6010B	GELC
C2	12	15	08/06/01	0.02	0.151	0.113	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.079	0.70	LANL Avl BG LVL	0.05	1.6	0.024	mg/L	1				EPA:365.4	GELC
C2	12	15	08/06/01	0.02	0.151	0.113	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.079	0.70	LANL Avl BG LVL	0.05	1.6	0.024	mg/L	1				EPA:365.4	GELC
C2	32	53	10/30/00	271	486	319	53	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Total Dissolved Solids	TDS	325	1.02	LANL Avl BG LVL	139	2.3	2.38	mg/L	1				EPA:160.1	GELC
C2	32	53	10/30/00	271	486	319	53	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Total Dissolved Solids	TDS	325	1.02	LANL Avl BG LVL	139	2.3	2.38	mg/L	1				EPA:160.1	GELC
C2	31	37	02/24/00	0.014	0.6	0.212	27	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.156	0.74	LANL Avl BG LVL	0.04	3.9	0.029	mg/L	1				EPA:351.2	GELC
C2	31	37	02/24/00	0.014	0.6	0.212	27	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.135	0.64	LANL Avl BG LVL	0.04	3.4	0.029	mg/L	1		JN- IWQ2		EPA:351.2	GELC
C2	11	14	08/06/01	54.1	97	73.9	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	METALS	Boron	B	59.1	0.80	LANL Avl BG LVL	51.89	1.1	10	ug/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	54.1	97	73.9	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	METALS	Boron	B	58.7	0.79	LANL Avl BG LVL	51.89	1.1	10	ug/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	82.4	117	93.25	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	METALS	Barium	Ba	111	1.19	LANL Avl BG LVL	68.57	1.6	1	ug/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	82.4	117	93.25	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	METALS	Barium	Ba	112	1.20	LANL Avl BG LVL	68.57	1.6	1	ug/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	38.1	89.7	62.9	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	METALS	Molybdenum	Mo	39.5	0.63	LANL Avl BG LVL	2	19.8	2	ug/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	38.1	89.7	62.9	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	METALS	Molybdenum	Mo	38.1	0.61	LANL Avl BG LVL	2	19.1	2	ug/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	2.4	8.6	2.7	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	METALS	Nickel	Ni	2.8	1.04	LANL Avl BG LVL	1	2.8	0.5	ug/L	1				SW-846:6020	GELC
C2	11	14	08/06/01	2.4	8.6	2.7	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	METALS	Nickel	Ni	2.7	1.00	LANL Avl BG LVL	1	2.7	0.5	ug/L	1				SW-846:6020	GELC
C2	11	14	08/06/01	120	189	136	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	METALS	Strontium	Sr	159	1.17	LANL Avl BG LVL	120	1.3	1	ug/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	120	189	136	14	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	METALS	Strontium	Sr	157	1.15	LANL Avl BG LVL	120	1.3	1	ug/L	1				SW-846:6010B	GELC
C2	11	14	08/06/01	0.821	1.4	1.3	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	METALS	Vanadium	V	1.4	1.08	LANL Avl BG LVL	1	1.4	1	ug/L	1	J			SW-846:6010B	GELC
C2	10	12	08/07/01	103	166	142.5	12	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	142	1.00	LANL Avl BG LVL	76	1.9	0.725	mg/L	1				EPA:310.1	GELC
C2	13	17	04/28/05	23.5	47.5	27.7	17	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	GENINORG	Perchlorate	CIO4	24.5	0.88	LANL Avl BG LVL	0.05	####	2	ug/L	40		J	LMS1	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	Flt OC 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	36	44	02/24/00	1.07	2.13	1.36	43	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	GENINORG	Fluoride	F(-1)	1.25	0.92	LANL Avl BG LVL	0.27	4.6	0.033	mg/L	1				EPA:300.0	GELC
C2	11	13	08/07/01	11.5	19.4	16.8	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	GENINORG	Potassium	K	17.2	1.02	LANL Avl BG LVL	5.21	3.3	0.05	mg/L	1				SW-846:6010B	GELC
C2	36	45	02/24/00	1.31	12.5	3.975	44	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.14	0.54	LANL Avl BG LVL	0.57	3.8	0.05	mg/L	5				EPA:353.2	GELC
C2	11	13	08/07/01	53.7	79.3	73.7	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	GENINORG	Sodium	Na	59.7	0.81	LANL Avl BG LVL	15.54	3.8	0.045	mg/L	1				SW-846:6010B	GELC
C2	11	13	08/07/01	0.04	0.416	0.287	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.299	1.04	LANL Avl BG LVL	0.05	6.0	0.024	mg/L	1				EPA:365.4	GELC
C2	32	46	10/30/00	260	366	313.5	46	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	GENINORG	Total Dissolved Solids	TDS	275	0.88	LANL Avl BG LVL	139	2.0	2.38	mg/L	1				EPA:160.1	GELC
C2	33	41	02/24/00	0.051	1.74	0.249	29	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.11	0.44	LANL Avl BG LVL	0.04	2.8	0.029	mg/L	1		JN-	IWQ2	EPA:351.2	GELC
C2	11	13	08/07/01	70.3	96.3	79.6	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	METALS	Boron	B	80.6	1.01	LANL Avl BG LVL	51.89	1.6	10	ug/L	1				SW-846:6010B	GELC
C2	11	13	08/07/01	154	211	189	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	METALS	Barium	Ba	192	1.02	LANL Avl BG LVL	68.57	2.8	1	ug/L	1				SW-846:6010B	GELC
C2	11	13	08/07/01	1	2.8	1.92	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	METALS	Chromium	Cr	1.9	0.99	LANL Avl BG LVL	1	1.9	1	ug/L	1	J			SW-846:6020	GELC
C2	11	13	08/07/01	56.1	92.1	80.7	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	METALS	Molybdenum	Mo	56.1	0.70	LANL Avl BG LVL	2	28.1	2	ug/L	1				SW-846:6010B	GELC
C2	11	13	08/07/01	2.1	7.38	3.3	11	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	METALS	Nickel	Ni	2.5	0.76	LANL Avl BG LVL	1	2.5	0.5	ug/L	1				SW-846:6020	GELC
C2	11	13	08/07/01	123	161	144	13	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	METALS	Strontium	Sr	144	1.00	LANL Avl BG LVL	120	1.2	1	ug/L	1				SW-846:6010B	GELC
C2	7	9	09/02/04	1.3	28.5	1.6	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	METALS	Uranium	U	1.3	0.81	LANL Avl BG LVL	1.03	1.3	0.05	ug/L	1				SW-846:6020	GELC
C2	11	13	08/07/01	1.8	3.3	2.45	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	METALS	Vanadium	V	3.2	1.31	LANL Avl BG LVL	1	3.2	1	ug/L	1	J			SW-846:6010B	GELC
C2	5	5	07/07/06	43.7	51.7	45.6	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	08/16/07		F	CS	GENINORG	Silicon Dioxide	SiO2	51.7	1.13	LANL Int BG LVL	50.72	1.0	0.032	mg/L	1				SW-846:6010B	GELC
C2	5	5	07/07/06	1.2	4.4	2.8	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	08/16/07		F	CS	METALS	Chromium	Cr	4.4	1.57	LANL Int BG LVL	1	4.4	1	ug/L	1		J-	IWQ6	SW-846:6020	GELC
C2	5	5	07/07/06	2.3	5.5	3.9	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	08/16/07		F	CS	METALS	Manganese	Mn	5.5	1.41	LANL Int BG LVL	2	2.8	2	ug/L	1	J			SW-846:6010B	GELC
C2	4	4	06/27/05	0.352	0.905	0.4695	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-33	995.5	08/27/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	0.905	1.93	LANL Reg BG LVL	0.75	1.2	0.05	mg/L	5				EPA:353.2	GELC
C2	4	4	06/27/05	4.1	8.6	7.1	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-33	995.5	08/27/07		F	CS	METALS	Chromium	Cr	8.6	1.21	LANL Reg BG LVL	6.62	1.3	1	ug/L	1				SW-846:6020	GELC
C2	4	4	06/27/05	4.4	11.6	8	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-33	995.5	08/27/07		F	CS	METALS	Copper	Cu	11.6	1.45	LANL Reg BG LVL	3	3.9	3	ug/L	1		J-	IWQ6	SW-846:6010B	GELC
C2	4	4	06/27/05	213	918	263	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-33	995.5	08/27/07		F	CS	METALS	Iron	Fe	918	3.49	LANL Reg BG LVL	20.6	44.6	25	ug/L	1				SW-846:6010B	GELC
C2	4	4	06/27/05	3.5	26.6	4.2	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-33	995.5	08/27/07		F	CS	METALS	Manganese	Mn	26.6	6.33	LANL Reg BG LVL	2	13.3	2	ug/L	1				SW-846:6010B	GELC
C2	4	4	06/27/05	1.2	10.4	6.15	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-33	995.5	08/27/07		F	CS	METALS	Nickel	Ni	10.4	1.69	LANL Reg BG LVL	1	10.4	0.5	ug/L	1				SW-846:6020	GELC
C2	4	4	06/27/05	5.1	38.6	18.6	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-33	995.5	08/27/07		F	CS	METALS	Zinc	Zn	5.1	0.27	LANL Reg BG LVL	2	2.6	2	ug/L	1	J			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 OC 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		
C2	5	7	09/14/04	1.1	1.3	1.2	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial Spring	TA-18 Spring	0	09/17/07		F	CS	METALS	Cobalt	Co	1.3	1.08	LANL Avl BG LVL	0.5	2.6	1	ug/L	1	J			SW-846:6010B	GELC		
C2	5	7	09/14/04	1.1	1.3	1.3	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial Spring	TA-18 Spring	0	09/17/07		F	CS	METALS	Chromium	Cr	1.1	0.85	LANL Avl BG LVL	1	1.1	1	ug/L	1	J			SW-846:6020	GELC		
C2	5	6	08/29/06	15.3	18.6	17	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-BG-1	10	09/10/07		F	CS	GENINORG	Sodium	Na	15.9	0.94	LANL Avl BG LVL	15.54	1.0	0.045	mg/L	1				SW-846:6010B	GELC		
C2	5	6	08/29/06	1.3	3.2	2.25	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-BG-1	10	09/10/07		F	CS	METALS	Chromium	Cr	3.2	1.42	LANL Avl BG LVL	1	3.2	1	ug/L	1					SW-846:6020	GELC	
C2	5	6	08/29/06	4	4	4	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-BG-1	10	09/10/07		F	CS	METALS	Copper	Cu	4	1.00	LANL Avl BG LVL	3	1.3	3	ug/L	1	J	J-	IWQ6	SW-846:6010B	GELC		
C2	5	6	08/29/06	0.58	1.2	0.675	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-BG-1	10	09/10/07		F	CS	METALS	Nickel	Ni	1.2	1.78	LANL Avl BG LVL	1	1.2	0.5	ug/L	1	J				SW-846:6020	GELC	
C2	5	7	08/30/06	0.012	0.059	0.0355	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-8	8	09/13/07		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.059	1.66	LANL Avl BG LVL	0.05	1.2	0.024	mg/L	1					EPA:365.4	GELC	
C2	5	7	08/30/06	61.1	73.3	65.7	7	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-8	8	09/13/07		F	CS	METALS	Barium	Ba	73.3	1.12	LANL Avl BG LVL	68.57	1.1	1	ug/L	1					SW-846:6010B	GELC	
C2	5	7	08/30/06	6.7	6.7	6.7	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-8	8	09/13/07		UF	CS	METALS	Mercury	Hg	6.7	1.00	LANL Avl BG LVL	0.06	####	0.03	ug/L	1					EPA:245.2	GELC	
C2	5	7	08/30/06	0.12	4.1	2.11	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-8	8	09/13/07		F	CS	METALS	Mercury	Hg	4.1	1.94	LANL Avl BG LVL	0.06	68.3	0.03	ug/L	1					EPA:245.2	GELC	
C2	5	7	08/30/06	1.5	2.1	1.8	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-8	8	09/13/07		F	CS	METALS	Vanadium	V	2.1	1.17	LANL Avl BG LVL	1	2.1	1	ug/L	1	J				SW-846:6010B	GELC	
C2	5	6	08/31/06	0.039	0.155	0.0805	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-9	6	09/12/07	FD	F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.086	1.07	LANL Avl BG LVL	0.04	2.2	0.029	mg/L	1	J	JN-	IWQ2	EPA:351.2	GELC		
C2	5	6	08/31/06	1.2	2.8	1.2	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-9	6	09/12/07		F	CS	METALS	Chromium	Cr	1.2	1.00	LANL Avl BG LVL	1	1.2	1	ug/L	1	J				SW-846:6020	GELC	
C2	5	6	08/31/06	1.2	2.8	1.2	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-9	6	09/12/07	FD	F	CS	METALS	Chromium	Cr	1.2	1.00	LANL Avl BG LVL	1	1.2	1	ug/L	1	J				SW-846:6020	GELC	
C2	5	6	08/31/06	2.8	3	2.9	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-9	6	09/12/07		F	CS	METALS	Manganese	Mn	2.8	0.97	LANL Avl BG LVL	2	1.4	2	ug/L	1	J				SW-846:6010B	GELC	
C2	5	6	08/31/06	2.8	3	2.9	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-9	6	09/12/07	FD	F	CS	METALS	Manganese	Mn	3	1.03	LANL Avl BG LVL	2	1.5	2	ug/L	1	J				SW-846:6010B	GELC	
C2	5	6	08/31/06	15.5	21.2	17.55	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	FD	F	CS	GENINORG	Sodium	Na	17.8	1.01	LANL Avl BG LVL	15.54	1.2	0.045	mg/L	1					SW-846:6010B	GELC	
C2	5	6	08/31/06	15.5	21.2	17.55	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		F	CS	GENINORG	Sodium	Na	17.3	0.99	LANL Avl BG LVL	15.54	1.1	0.045	mg/L	1					SW-846:6010B	GELC	
C2	5	6	08/31/06	0.075	0.089	0.082	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.075	0.91	LANL Avl BG LVL	0.05	1.5	0.024	mg/L	1					EPA:365.4	GELC	
C2	5	6	08/31/06	0.075	0.089	0.082	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	FD	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.089	1.09	LANL Avl BG LVL	0.05	1.8	0.024	mg/L	1					EPA:365.4	GELC	
C2	5	6	08/31/06	1.8	2.1	1.95	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		F	CS	METALS	Chromium	Cr	1.8	0.92	LANL Avl BG LVL	1	1.8	1	ug/L	1	J				SW-846:6020	GELC	
C2	5	6	08/31/06	1.8	2.1	1.95	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	FD	F	CS	METALS	Chromium	Cr	2.1	1.08	LANL Avl BG LVL	1	2.1	1	ug/L	1	J				SW-846:6020	GELC	
C2	5	6	08/31/06	0.12	0.63	0.375	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	METALS	Mercury	Hg	0.12	0.32	LANL Avl BG LVL	0.06	2.0	0.03	ug/L	1	J	J, JN-	IWQ6, IWQ2	EPA:245.2	GELC		
C2	5	6	08/31/06	0.12	0.63	0.375	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	FD	UF	CS	METALS	Mercury	Hg	0.63	1.68	LANL Avl BG LVL	0.06	10.5	0.03	ug/L	1	J				IWQ6	EPA:245.2	GELC
C2	5	6	08/31/06	2.1	4	3.1	5	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		F	CS	METALS	Manganese	Mn	3.1	1.00	LANL Avl BG LVL	2	1.6	2	ug/L	1	J				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 OC 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	5	6	08/31/06	2.1	4	3.1	5	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	FD	F	CS	METALS	Manganese	Mn	3.1	1.00	LANL Avl BG LVL	2	1.6	2	ug/L	1	J			SW-846:6010B	GELC		
C2	5	6	08/31/06	2.2	2.2	2.2	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	FD	F	CS	METALS	Molybdenum	Mo	2.2	1.00	LANL Avl BG LVL	2	1.1	2	ug/L	1	J			SW-846:6010B	GELC		
C2	5	6	08/31/06	1.1	2.6	2.1	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	FD	F	CS	METALS	Vanadium	V	2.1	1.00	LANL Avl BG LVL	1	2.1	1	ug/L	1	J			SW-846:6010B	GELC		
C2	5	6	08/31/06	1.1	2.6	2.1	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07	F	F	CS	METALS	Vanadium	V	2.6	1.24	LANL Avl BG LVL	1	2.6	1	ug/L	1	J			SW-846:6010B	GELC		
C2	5	6	08/28/06	1.2	1.7	1.45	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-18	12.5	09/12/07	F	F	CS	METALS	Chromium	Cr	1.2	0.83	LANL Avl BG LVL	1	1.2	1	ug/L	1	J			SW-846:6020	GELC		
C2	5	6	08/28/06	2.1	2.9	2.8	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-18	12.5	09/12/07	F	F	CS	METALS	Manganese	Mn	2.1	0.75	LANL Avl BG LVL	2	1.1	2	ug/L	1	J			SW-846:6010B	GELC		
C2	3	3	08/30/05	0.0612	0.102	0.0816	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	PCO-2	1.5	09/11/07	F	F	CS	GENINORG	Perchlorate	ClO4	0.102	1.25	LANL Avl BG LVL	0.05	2.0	0.05	ug/L	1	J			SW-846:6850	GELC		
C2	7	8	09/10/04	3.57	15.3	10.8	8	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate Spring	Starmer Spring	0	09/20/07	F	F	CS	GENINORG	Chloride	Cl(-1)	14.6	1.35	LANL Int BG LVL	8.37	1.7	0.066	mg/L	1				EPA:300.0	GELC		
C2	6	6	06/21/05	0.43	1.3	0.72	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate Spring	Starmer Spring	0	09/20/07	UF	F	CS	METALS	Silver	Ag	1.3	1.81	LANL Int BG LVL	1	1.3	0.2	ug/L	1					SW-846:6020	GELC	
C2	7	8	09/10/04	0.76	1.9	1	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate Spring	Starmer Spring	0	09/20/07	F	F	CS	METALS	Nickel	Ni	1	1.00	LANL Int BG LVL	1	1.0	0.5	ug/L	1	J			SW-846:6020	GELC		
C2	7	8	09/10/04	2.3	3.4	2.85	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate Spring	Starmer Spring	0	09/20/07	F	F	CS	METALS	Zinc	Zn	2.3	0.81	LANL Int BG LVL	2	1.2	2	ug/L	1	J			SW-846:6010B	GELC		
C2	2	2	07/11/07	0.273	0.273	0.273	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-9	21.3	09/17/07	F	F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.273	1.00	LANL Int BG LVL	0.04	6.8	0.029	mg/L	1					EPA:351.2	GELC	
C2	6	6	06/27/06	1.3	14.3	3.1	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07	F	F	CS	METALS	Chromium	Cr	3.1	1.00	LANL Int BG LVL	1	3.1	1	ug/L	1					SW-846:6020	GELC	
C2	6	6	06/27/06	800	14000	1566.5	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07	F	F	CS	METALS	Iron	Fe	2200	1.40	LANL Int BG LVL	839.99	2.6	25	ug/L	1					SW-846:6010B	GELC	
C2	5	5	08/23/06	0.059	1.7	0.148	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07	F	F	CS	METALS	Mercury	Hg	1.7	11.49	LANL Int BG LVL	0.06	28.3	0.03	ug/L	1					EPA:245.2	GELC	
C2	6	6	06/27/06	6.4	50.8	14.85	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07	F	F	CS	METALS	Zinc	Zn	10.7	0.72	LANL Int BG LVL	2	5.4	2	ug/L	1					SW-846:6010B	GELC	
C2	6	7	06/23/06	196	35600	4590	7	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	09/14/07	F	F	CS	METALS	Aluminum	Al	4590	1.00	LANL Int BG LVL	1065.84	4.3	68	ug/L	1					SW-846:6010B	GELC	
C2	6	7	06/23/06	3.1	14.8	3.5	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	09/14/07	F	F	CS	METALS	Chromium	Cr	3.2	0.91	LANL Int BG LVL	1	3.2	1	ug/L	1					SW-846:6020	GELC	
C2	6	7	06/23/06	445	21300	2450	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	09/14/07	F	F	CS	METALS	Iron	Fe	2380	0.97	LANL Int BG LVL	839.99	2.8	25	ug/L	1					SW-846:6010B	GELC	
C2	6	7	06/23/06	0.065	0.61	0.18	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	09/14/07	F	F	CS	METALS	Mercury	Hg	0.12	0.67	LANL Int BG LVL	0.06	2.0	0.03	ug/L	1	J	JN-	IWQ2	EPA:245.2	GELC		
C2	6	7	06/23/06	0.78	20	3	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	09/14/07	F	F	CS	METALS	Lead	Pb	2.8	0.93	LANL Int BG LVL	0.5	5.6	0.5	ug/L	1					SW-846:6020	GELC	
C2	6	7	06/23/06	0.61	0.61	0.61	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	09/14/07	F	F	CS	METALS	Antimony	Sb	0.61	1.00	LANL Int BG LVL	0.5	1.2	0.5	ug/L	1	J					SW-846:6020	GELC
C2	6	7	06/23/06	3.3	64.9	17.15	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	09/14/07	F	F	CS	METALS	Zinc	Zn	13.4	0.78	LANL Int BG LVL	2	6.7	2	ug/L	1					SW-846:6010B	GELC	
C2	10	10	03/12/01	0.58	0.88	0.6765	10	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-22	962.8	09/18/07	F	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	0.88	1.30	LANL Reg BG LVL	0.75	1.2	0.05	mg/L	5					EPA:353.2	GELC	
C2	13	15	03/08/01	0.057	0.84	0.4485	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-22	1273.5	09/17/07	UF	F	CS	METALS	Mercury	Hg	0.84	1.87	LANL Reg BG LVL	0.06	14.0	0.03	ug/L	1					EPA:245.2	GELC	

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fid OC 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
C2	8	8	09/24/01	4.35	5.51	5.015	8	White Rock Canyon and Rio Grande	Regional Spring	Spring 3	0	09/24/07		F	CS	GENINORG	Chloride	Cl(-1)	4.56	0.91	LANL Reg BG LVL	3.75	1.2	0.066	mg/L	1			EPA:300.0	GELC	
C2	4	4	09/26/05	0.394	0.458	0.4295	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 3	0	09/24/07		F	CS	GENINORG	Perchlorate	CIO4	0.44	1.02	LANL Reg BG LVL	0.44	1.0	0.05	ug/L	1			SW-846:6850	GELC	
C2	8	8	09/24/01	1.18	1.84	1.27	7	White Rock Canyon and Rio Grande	Regional Spring	Spring 3	0	09/24/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.27	1.00	LANL Reg BG LVL	0.75	1.7	0.05	mg/L	5	J	I14b	EPA:353.2	GELC	
C2	7	8	09/24/01	23	122	54.7	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 3	0	09/24/07		F	CS	METALS	Iron	Fe	54.7	1.00	LANL Reg BG LVL	20.6	2.7	25	ug/L	1	J		SW-846:6010B	GELC	
C2	6	7	10/06/03	224	240	236	7	White Rock Canyon and Rio Grande	Regional Spring	Spring 3	0	09/24/07		F	CS	METALS	Strontium	Sr	240	1.02	LANL Reg BG LVL	179.84	1.3	1	ug/L	1			SW-846:6010B	GELC	
C2	7	13	02/25/03	1.854	2.267	2.1	13	White Rock Canyon and Rio Grande	Regional Spring	Spring 3	0	09/24/07		F	CS	METALS	Uranium	U	1.9	0.90	LANL Reg BG LVL	1.77	1.1	0.05	ug/L	1			SW-846:6020	GELC	
C2	8	9	09/25/00	3.39	4.36	3.95	9	White Rock Canyon and Rio Grande	Regional Spring	Spring 3A	0	09/24/07		F	CS	GENINORG	Chloride	Cl(-1)	3.8	0.96	LANL Reg BG LVL	3.75	1.0	0.066	mg/L	1			EPA:300.0	GELC	
C2	8	9	09/25/00	0.946	1.56	1	9	White Rock Canyon and Rio Grande	Regional Spring	Spring 3A	0	09/24/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.04	1.04	LANL Reg BG LVL	0.75	1.4	0.05	mg/L	5	J	I14b	EPA:353.2	GELC	
C2	7	8	09/25/00	33.4	33.4	33.4	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 3A	0	09/24/07		F	CS	METALS	Iron	Fe	33.4	1.00	LANL Reg BG LVL	20.6	1.6	25	ug/L	1	J		SW-846:6010B	GELC	
C2	7	8	09/25/00	210	239	224	8	White Rock Canyon and Rio Grande	Regional Spring	Spring 3A	0	09/24/07		F	CS	METALS	Strontium	Sr	231	1.03	LANL Reg BG LVL	179.84	1.3	1	ug/L	1			SW-846:6010B	GELC	
C2	8	9	09/25/00	6.17	6.9	6.47	9	White Rock Canyon and Rio Grande	Regional Spring	Spring 4	0	09/24/07		F	CS	GENINORG	Chloride	Cl(-1)	6.47	1.00	LANL Reg BG LVL	3.75	1.7	0.066	mg/L	1			EPA:300.0	GELC	
C2	4	5	09/26/05	0.598	0.64	0.622	5	White Rock Canyon and Rio Grande	Regional Spring	Spring 4	0	09/24/07		F	CS	GENINORG	Perchlorate	CIO4	0.64	1.03	LANL Reg BG LVL	0.44	1.5	0.05	ug/L	1			SW-846:6850	GELC	
C2	8	9	09/25/00	1.22	1.66	1.34	9	White Rock Canyon and Rio Grande	Regional Spring	Spring 4	0	09/24/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.25	0.93	LANL Reg BG LVL	0.75	1.7	0.05	mg/L	5	J	I14b	EPA:353.2	GELC	
C2	8	9	09/25/00	9.24	9.94	9.39	9	White Rock Canyon and Rio Grande	Regional Spring	Spring 4	0	09/24/07		F	CS	GENINORG	Sulfate	SO4(-2)	9.24	0.98	LANL Reg BG LVL	6.22	1.5	0.1	mg/L	1			EPA:300.0	GELC	
C2	4	5	09/27/05	6.29	6.51	6.42	5	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	09/25/07		F	CS	GENINORG	Chloride	Cl(-1)	6.29	0.98	LANL Reg BG LVL	3.75	1.7	0.066	mg/L	1			EPA:300.0	GELC	
C2	4	5	09/27/05	0.606	0.702	0.643	5	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	09/25/07		F	CS	GENINORG	Perchlorate	CIO4	0.653	1.02	LANL Reg BG LVL	0.44	1.5	0.05	ug/L	1			SW-846:6850	GELC	
C2	4	5	09/27/05	1.32	1.38	1.35	5	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	09/25/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.38	1.02	LANL Reg BG LVL	0.75	1.8	0.05	mg/L	5	J	I14b	EPA:353.2	GELC	
C2	4	5	09/27/05	8.99	9.61	9.36	5	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	09/25/07		F	CS	GENINORG	Sulfate	SO4(-2)	8.99	0.96	LANL Reg BG LVL	6.22	1.5	0.1	mg/L	1			EPA:300.0	GELC	
C2	3	3	09/19/06	6.1	6.1	6.1	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	09/25/07		F	CS	METALS	Arsenic	As	6.1	1.00	LANL Reg BG LVL	6	1.0	1.5	ug/L	1			SW-846:6020	GELC	
C2	3	3	09/19/06	75.7	75.7	75.7	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	09/25/07		F	CS	METALS	Iron	Fe	75.7	1.00	LANL Reg BG LVL	20.6	3.7	25	ug/L	1	J		SW-846:6010B	GELC	
C2	3	3	09/19/06	1.3	1.9	1.7	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	09/25/07		F	CS	METALS	Uranium	U	1.9	1.12	LANL Reg BG LVL	1.77	1.1	0.05	ug/L	1			SW-846:6020	GELC	
C2	3	3	09/18/06	25.4	26.8	26.4	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	GENINORG	Calcium	Ca	26.4	1.00	LANL Reg BG LVL	24.12	1.1	0.03	mg/L	1			SW-846:6010B	GELC	
C2	4	4	09/26/05	7.19	7.9	7.585	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	GENINORG	Chloride	Cl(-1)	7.46	0.98	LANL Reg BG LVL	3.75	2.0	0.066	mg/L	1			EPA:300.0	GELC	
C2	4	4	09/26/05	0.321	0.452	0.3985	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	GENINORG	Perchlorate	CIO4	0.452	1.13	LANL Reg BG LVL	0.44	1.0	0.05	ug/L	1			SW-846:6850	GELC	
C2	3	3	09/18/06	5.21	5.6	5.41	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	GENINORG	Magnesium	Mg	5.41	1.00	LANL Reg BG LVL	4.81	1.1	0.085	mg/L	1			SW-846:6010B	GELC	
C2	4	4	09/26/05	0.239	0.795	0.527	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	0.795	1.51	LANL Reg BG LVL	0.75	1.1	0.05	mg/L	5	J	I14b	EPA:353.2	GELC	
C2	4	4	09/26/05	8.65	9.64	8.87	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	GENINORG	Sulfate	SO4(-2)	8.87	1.00	LANL Reg BG LVL	6.22	1.4	0.1	mg/L	1			EPA:300.0	GELC	
C2	3	3	09/18/06	0.979	1.53	0.992	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		UF	CS	GENINORG	Total Organic Carbon	TOC	0.992	1.00	LANL Reg BG LVL	0.46	2.2	0.33	mg/L	1	J		SW-846:9060	GELC	
C2	3	3	09/18/06	38.7	138	41.9	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	METALS	Iron	Fe	41.9	1.00	LANL Reg BG LVL	20.6	2.0	25	ug/L	1	J		SW-846:6010B	GELC	
C2	3	3	09/18/06	0.87	0.87	0.87	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		UF	CS	METALS	Mercury	Hg	0.87	1.00	LANL Reg BG LVL	0.06	14.5	0.03	ug/L	1	J+	IWQ6	EPA:245.2	GELC	
C2	3	3	09/18/06	11.4	12.8	12.1	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	METALS	Manganese	Mn	11.4	0.94	LANL Reg BG LVL	2	5.7	2	ug/L	1			SW-846:6010B	GELC	
C2	3	3	09/18/06	3.9	4.2	4.05	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 4B	0	09/25/07		F	CS	METALS	Zinc	Zn	3.9	0.96	LANL Reg BG LVL	2	2.0	2	ug/L	1	J		SW-846:6010B	GELC	
C2	4	4	09/27/05	5.52	5.85	5.72	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	09/24/07		F	CS	GENINORG	Chloride	Cl(-1)	5.7	1.00	LANL Reg BG LVL	3.75	1.5	0.066	mg/L	1			EPA:300.0	GELC	
C2	4	4	09/27/05	0.545	0.58	0.5655	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	09/24/07		F	CS	GENINORG	Perchlorate	CIO4	0.58	1.03	LANL Reg BG LVL	0.44	1.3	0.05	ug/L	1			SW-846:6850	GELC	
C2	3	3	09/18/06	5.08	5.66	5.55	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	09/24/07		F	CS	GENINORG	Magnesium	Mg	5.66	1.02	LANL Reg BG LVL	4.81	1.2	0.085	mg/L	1			SW-846:6010B	GELC	
C2	4	4	09/27/05	0.924	1.66	1.02	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	09/24/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.02	1.00	LANL Reg BG LVL	0.75	1.4	0.05	mg/L	5	J	I14b	EPA:353.2	GELC	

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fld OC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analytel	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	4	4	09/27/05	6.71	7.05	6.8	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	09/24/07		F	CS	GENINORG	Sulfate	SO4(-2)	6.78	1.00	LANL Reg BG LVL	6.22	1.1	0.1	mg/L	1			EPA:300.0	GELC	
C2	4	4	09/27/05	0.063	0.552	0.3075	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	09/24/07		F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.063	0.20	LANL Reg BG LVL	0.04	1.6	0.029	mg/L	1	J	JN-	IWQ2	EPA:351.2	GELC
C2	10	12	09/25/00	4.37	5.12	4.605	12	White Rock Canyon and Rio Grande	Regional Spring	Spring 4A	0	09/24/07		F	CS	GENINORG	Chloride	Cl(-1)	4.53	0.98	LANL Reg BG LVL	3.75	1.2	0.066	mg/L	1			EPA:300.0	GELC	
C2	4	5	09/27/05	0.457	0.529	0.509	5	White Rock Canyon and Rio Grande	Regional Spring	Spring 4A	0	09/24/07		F	CS	GENINORG	Perchlorate	CIO4	0.529	1.04	LANL Reg BG LVL	0.44	1.2	0.05	ug/L	1			SW-846:6850	GELC	
C2	10	11	09/25/00	0.86	1.6	0.917	11	White Rock Canyon and Rio Grande	Regional Spring	Spring 4A	0	09/24/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	0.995	1.09	LANL Reg BG LVL	0.75	1.3	0.05	mg/L	5	J	I14b	EPA:353.2	GELC	
C2	7	9	09/25/01	6.7	6.8	6.75	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 4A	0	09/24/07		F	CS	METALS	Zinc	Zn	6.7	0.99	LANL Reg BG LVL	2	3.4	2	ug/L	1	J		SW-846:6010B	GELC	
C2	7	7	09/25/01	3.91	4.27	4.05	7	White Rock Canyon and Rio Grande	Regional Spring	Spring 5	0	09/25/07		F	CS	GENINORG	Chloride	Cl(-1)	4	0.99	LANL Reg BG LVL	3.75	1.1	0.066	mg/L	1			EPA:300.0	GELC	
C2	7	7	09/25/01	1	1	1	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 5	0	09/25/07		F	CS	METALS	Nickel	Ni	1	1.00	LANL Reg BG LVL	1	1.0	0.5	ug/L	1	J		SW-846:6020	GELC	
C2	7	7	09/25/01	4.1	6.7	5.4	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 5	0	09/25/07		F	CS	METALS	Zinc	Zn	4.1	0.76	LANL Reg BG LVL	2	2.1	2	ug/L	1	J		SW-846:6010B	GELC	
C2	3	3	07/26/00	0.755	1.05	0.91	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 5B	0	09/25/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	0.755	0.83	LANL Reg BG LVL	0.75	1.0	0.01	mg/L	1			EPA:353.2	GELC	
C2	6	7	09/26/00	3.43	15.7	3.46	3	White Rock Canyon and Rio Grande	Regional Spring	Ancho Spring	0	09/25/07		F	CS	METALS	Manganese	Mn	15.7	4.54	LANL Reg BG LVL	2	7.9	2	ug/L	1			SW-846:6010B	GELC	
C2	3	3	09/27/05	0.176	0.176	0.176	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 6A	0	09/25/07		F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.176	1.00	LANL Reg BG LVL	0.04	4.4	0.029	mg/L	1			EPA:351.2	GELC	
C2	6	6	09/25/01	1.1	1.1	1.1	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 6A	0	09/25/07		F	CS	METALS	Cobalt	Co	1.1	1.00	LANL Reg BG LVL	0.5	2.2	1	ug/L	1	J		SW-846:6010B	GELC	
C2	6	6	09/25/01	0.77	3.1	2.73	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 6A	0	09/25/07		F	CS	METALS	Manganese	Mn	3.1	1.14	LANL Reg BG LVL	2	1.6	2	ug/L	1	J		SW-846:6010B	GELC	
C2	2	2	09/20/06	0.923	1.57	1.2465	2	White Rock Canyon and Rio Grande	Regional Spring	Doe Spring	0	09/26/07		UF	CS	GENINORG	Total Organic Carbon	TOC	0.923	0.74	LANL Reg BG LVL	0.46	2.0	0.33	mg/L	1	J		SW-846:9060	GELC	
C2	2	2	09/20/06	0.649	1.09	0.8695	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 9A	0	09/26/07		UF	CS	GENINORG	Total Organic Carbon	TOC	0.649	0.75	LANL Reg BG LVL	0.46	1.4	0.33	mg/L	1	J		SW-846:9060	GELC	
C2	6	7	09/27/00	2.1	5.7	3.9	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 9A	0	09/26/07		F	CS	METALS	Zinc	Zn	2.1	0.54	LANL Reg BG LVL	2	1.1	2	ug/L	1	J		SW-846:6010B	GELC	
C3	14	19	04/27/05	19.4	31.7	24.7	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Perchlorate	CIO4	25.5	1.03	NMED GW CONS	4	12.8	2	ug/L	40	J	LMS1	SW-846:6850	GELC	
C3	14	19	04/27/05	19.4	31.7	24.7	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Perchlorate	CIO4	25	1.01	NMED GW CONS	4	12.5	2	ug/L	40	J	LMS1	SW-846:6850	GELC	
C3	35	43	02/24/00	0.852	1.51	1.1	43	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Fluoride	F(-1)	0.876	0.80	NM GW STD	1.6	1.1	0.033	mg/L	1	J+	IWQ6	EPA:300.0	GELC	
C3	35	43	02/24/00	0.852	1.51	1.1	43	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Fluoride	F(-1)	0.852	0.77	NM GW STD	1.6	1.1	0.033	mg/L	1	J+	IWQ6	EPA:300.0	GELC	
C3	13	17	04/28/05	23.5	47.5	27.7	17	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	GENINORG	Perchlorate	CIO4	24.5	0.88	NMED GW CONS	4	12.3	2	ug/L	40	J	LMS1	SW-846:6850	GELC	
C3	36	44	02/24/00	1.07	2.13	1.36	43	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	GENINORG	Fluoride	F(-1)	1.25	0.92	NM GW STD	1.6	1.6	0.033	mg/L	1			EPA:300.0	GELC	
C3	5	5	07/07/06	0.855	1.41	0.901	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	08/16/07		F	CS	GENINORG	Fluoride	F(-1)	1.13	1.25	NM GW STD	1.6	1.4	0.033	mg/L	1			EPA:300.0	GELC	
C3	5	7	07/07/06	531	575	563	7	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	08/16/07		F	CS	GENINORG	Total Dissolved Solids	TDS	572	1.02	NM GW STD	1000	1.1	2.38	mg/L	1			EPA:160.1	GELC	
C3	5	5	07/07/06	22.3	32.6	29.6	5	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	0	08/16/07		F	CS	METALS	Uranium	U	29.6	1.00	EPA PRIM DW STD	30	2.0	0.05	ug/L	1			SW-846:6020	GELC	
C3	4	4	06/27/05	213	918	263	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-33	995.5	08/27/07		F	CS	METALS	Iron	Fe	918	3.49	NM GW STD	1000	1.8	25	ug/L	1			SW-846:6010B	GELC	
C3	5	7	09/14/04	77.5	302	108	7	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial Spring	TA-18 Spring	0	09/17/07		F	CS	METALS	Manganese	Mn	141	1.31	NM GW STD	200	1.4	2	ug/L	1			SW-846:6010B	GELC	
C3	5	6	08/29/06	583	3520	791.5	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-BG-1	10	09/10/07		F	CS	METALS	Aluminum	Al	3520	4.45	NM GW STD	5000	1.4	68	ug/L	1			SW-846:6010B	GELC	
C3	5	7	08/30/06	6.7	6.7	6.7	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-8	8	09/13/07		UF	CS	METALS	Mercury	Hg	6.7	1.00	EPA PRIM DW STD	2	6.7	0.03	ug/L	1			EPA:245.2	GELC	

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fid OC 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
C3	5	7	08/30/06	0.12	4.1	2.11	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-8	8	09/13/07		F	CS	METALS	Mercury	Hg	4.1	1.94	EPA PRIM DW STD	2	4.1	0.03	ug/L	1			EPA:245.2	GELC	
C3	5	6	08/31/06	238	545	368	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		F	CS	METALS	Iron	Fe	545	1.48	NM GW STD	1000	1.1	25	ug/L	1			SW-846:6010B	GELC	
C3	5	6	08/31/06	0.0327	0.0327	0.0327	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Dieldrin	60-57-1	0.0327	1.00	EPA TAP SCRNL LVL C-5	0.04202	1.6	0.00532	ug/L	1	J		SW-846:8081A	GELC	
C3	2	2	07/11/07	0.122	0.135	0.1285	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-9	21.3	09/17/07		F	CS	GENINORG	Ammonia as Nitrogen	NH3-N	0.135	1.05	EPA TAP SCRNL LVL	0.20857	1.3	0.03	mg/L	1	JN-	IWQ2	EPA:350.1	GELC	
C3	1	1	09/17/07	19.5	19.5	19.5	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-9	21.3	09/17/07		UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	19.5	1.00	EPA PRIM DW STD	6	6.5	2.04	ug/L	1			SW-846:8270C	GELC	
C3	5	5	08/23/06	0.059	1.7	0.148	4	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07		F	CS	METALS	Mercury	Hg	1.7	11.49	EPA PRIM DW STD	2	1.7	0.03	ug/L	1			EPA:245.2	GELC	
C3	6	6	06/27/06	2.3	22.1	4.1	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07		UF	CS	METALS	Lead	Pb	8.8	2.15	EPA PRIM DW STD	15	1.2	0.5	ug/L	1			SW-846:6020	GELC	
C3	6	10	06/27/06	2.28	9.11	4.74	10	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07		UF	RE	VOA	Dichloroethene[1,1-]	75-35-4	4.68	0.99	NM GW STD	5	1.9	1.2	ug/L	4			SW-846:8260B	GELC	
C3	6	10	06/27/06	2.28	9.11	4.74	10	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07		UF	CS	VOA	Dichloroethene[1,1-]	75-35-4	5.73	1.21	NM GW STD	5	2.3	0.3	ug/L	1			SW-846:8260B	GELC	
C3	6	7	06/23/06	3	23.5	4.5	7	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	09/14/07		UF	CS	METALS	Lead	Pb	12.6	2.80	EPA PRIM DW STD	15	1.7	0.5	ug/L	1			SW-846:6020	GELC	
C3	4	5	09/26/05	5.3	6.9	5.5	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 4	0	09/24/07		UF	CS	METALS	Arsenic	As	5.3	0.96	EPA PRIM DW STD	10	1.1	1.5	ug/L	1			SW-846:6020	GELC	
C3	3	3	09/19/06	6.1	6.1	6.1	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	0	09/25/07		F	CS	METALS	Arsenic	As	6.1	1.00	EPA PRIM DW STD	10	1.2	1.5	ug/L	1			SW-846:6020	GELC	
C3	6	7	09/25/01	5.8	5.8	5.8	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 6A	0	09/25/07		F	CS	METALS	Arsenic	As	5.8	1.00	EPA PRIM DW STD	10	1.2	1.5	ug/L	1			SW-846:6020	GELC	
C3	2	4	09/19/06	4.9	5	4.95	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 6AAA	0	09/25/07	FD	UF	CS	METALS	Arsenic	As	5	1.01	EPA PRIM DW STD	10	1.0	1.5	ug/L	1			SW-846:6020	GELC	
C3	2	4	09/19/06	4.5	5.3	4.9	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 6AAA	0	09/25/07	FD	F	CS	METALS	Arsenic	As	5.3	1.08	EPA PRIM DW STD	10	1.1	1.5	ug/L	1			SW-846:6020	GELC	
C4	14	19	04/27/05	19.4	31.7	24.7	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Perchlorate	CIO4	25.5	1.03	NMED GW CONS	4	12.8	2	ug/L	40	J	LMS1	SW-846:6850	GELC	
C4	14	19	04/27/05	19.4	31.7	24.7	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Perchlorate	CIO4	25	1.01	NMED GW CONS	4	12.5	2	ug/L	40	J	LMS1	SW-846:6850	GELC	
C4	13	17	04/28/05	23.5	47.5	27.7	17	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	GENINORG	Perchlorate	CIO4	24.5	0.88	NMED GW CONS	4	12.3	2	ug/L	40	J	LMS1	SW-846:6850	GELC	
CA	14	19	04/27/05	19.4	31.7	24.7	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07	FD	F	CS	GENINORG	Perchlorate	CIO4	25.5	1.03	NMED GW CONS	4	6.4	2	ug/L	40	J	LMS1	SW-846:6850	GELC	
CA	14	19	04/27/05	19.4	31.7	24.7	19	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	08/14/07		F	CS	GENINORG	Perchlorate	CIO4	25	1.01	NMED GW CONS	4	6.3	2	ug/L	40	J	LMS1	SW-846:6850	GELC	
CA	13	17	04/28/05	23.5	47.5	27.7	17	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	08/28/07		F	CS	GENINORG	Perchlorate	CIO4	24.5	0.88	NMED GW CONS	4	6.1	2	ug/L	40	J	LMS1	SW-846:6850	GELC	
CA	5	7	08/30/06	6.7	6.7	6.7	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-8	8	09/13/07		UF	CS	METALS	Mercury	Hg	6.7	1.00	EPA PRIM DW STD	2	3.4	0.03	ug/L	1			EPA:245.2	GELC	
CA	5	7	08/30/06	0.12	4.1	2.11	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Alluvial	18-MW-8	8	09/13/07		F	CS	METALS	Mercury	Hg	4.1	1.94	EPA PRIM DW STD	2	2.1	0.03	ug/L	1			EPA:245.2	GELC	
CA	1	1	09/17/07	19.5	19.5	19.5	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-9	21.3	09/17/07		UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	19.5	1.00	EPA PRIM DW STD	6	3.3	2.04	ug/L	1			SW-846:8270C	GELC	
CA	6	10	06/27/06	2.28	9.11	4.74	10	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-10	20.6	09/18/07		UF	CS	VOA	Dichloroethene[1,1-]	75-35-4	5.73	1.21	NM GW STD	5	1.2	0.3	ug/L	1			SW-846:8260B	GELC	

Table 2: NMED 11-07 Groundwater Report Summary

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Zone	Location	Port Depth	Start Date	Fld QC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Comments
C1	5	9	06/29/06	0.00000651	0.000019	0.00001322	4	Intermediate	MCOI-6	686	02/26/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin [1,2,3,4,6,7,8,9-]	3268-87-9	0.0000186	1.41				0.0000186	ug/L	1	J	J	SWQ5	4th detection of compound from Feb. 07 sampling, FD was non detect.
C1	5	6	08/31/06	0.0247	0.0247	0.0247	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Heptachlor Epoxide	1024-57-3	0.0247	1.00	EPA PRIM DW STD	0.2	0.1	0.00532	ug/L	1		J	PWQ6	The following 15 pesticides were not detected in the FD. Most of the results were J-flagged. DDT[4,4'-], DDD[4,4'-], and DDE[4,4'-] were detected before 6/14/07.
C1	5	6	08/31/06	0.0568	0.0568	0.0568	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Endosulfan Sulfate	1031-07-8	0.0568	1.00				0.00532	ug/L	1		J	PWQ6	
C1	5	6	08/31/06	0.0124	0.0124	0.0124	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Aldrin	309-00-2	0.0124	1.00	EPA TAP SCRNLVL C-5	0.039548	0.3	0.00532	ug/L	1	J			
C1	5	6	08/31/06	0.0127	0.0127	0.0127	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	BHC[alpha-]	319-84-6	0.0127	1.00	EPA TAP SCRNLVL C-5	0.10672	0.1	0.00532	ug/L	1	J			
C1	5	6	08/31/06	0.0383	0.0383	0.0383	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	BHC[beta-]	319-85-7	0.0383	1.00	EPA TAP SCRNLVL C-5	0.37351	0.1	0.00899	ug/L	1		J	PWQ6	
C1	5	6	08/31/06	0.027	0.027	0.027	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	BHC[delta-]	319-86-8	0.027	1.00				0.00532	ug/L	1		J	PWQ6	
C1	5	6	08/31/06	0.0468	0.0468	0.0468	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Endosulfan II	33213-65-9	0.0468	1.00				0.00532	ug/L	1		J	PWQ6	
C1	5	6	08/31/06	0.0163	0.042	0.02915	2	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	DDT[4,4'-]	50-29-3	0.042	1.44	EPA TAP SCRNLVL C-5	1.9774	0.0	0.0106	ug/L	1	J			
C1	5	6	08/31/06	0.0102	0.0102	0.0102	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	BHC[gamma-]	58-89-9	0.0102	1.00	EPA PRIM DW STD	0.2	0.1	0.00532	ug/L	1	J			
C1	5	6	08/31/06	0.0327	0.0327	0.0327	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Dieldrin	60-57-1	0.0327	1.00	EPA TAP SCRNLVL C-5	0.04202	0.8	0.00532	ug/L	1	J			
C1	5	6	08/31/06	0.0346	0.0346	0.0346	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Endrin	72-20-8	0.0346	1.00	EPA PRIM DW STD	2	0.0	0.00532	ug/L	1	J			
C1	5	6	08/31/06	0.0151	0.0448	0.02995	2	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	DDD[4,4'-]	72-54-8	0.0448	1.50	EPA TAP SCRNLVL C-5	2.8013	0.0	0.00532	ug/L	1		J	PWQ6	
C1	5	6	08/31/06	0.0209	0.0321	0.0265	2	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	DDE[4,4'-]	72-55-9	0.0321	1.21	EPA TAP SCRNLVL C-5	1.9774	0.0	0.00532	ug/L	1	J			
C1	5	6	08/31/06	0.0114	0.0114	0.0114	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Heptachlor	76-44-8	0.0114	1.00	EPA PRIM DW STD	0.4	0.0	0.00697	ug/L	1	J			
C1	5	6	08/31/06	0.0265	0.0265	0.0265	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Endosulfan I	959-98-8	0.0265	1.00				0.00532	ug/L	1		J	PWQ6	
C2	5	5	07/07/06	1.2	4.4	2.8	2	Intermediate Spring	Pine Rock Spring	0	08/16/07		F	CS	METALS	Chromium	Cr	4.4	1.57	LANL Int BG LVL	1	4.4	1	ug/L	1	J-	IWQ6	Highest to date, about 4 times greater than prior values	

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Zone	Location	Port Depth	Start Date	Fld QC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Comments
C2	5	7	08/30/06	6.7	6.7	6.7	1	Alluvial	18-MW-8	8	09/13/07		UF	CS	METALS	Mercury	Hg	6.7	1.00	LANL Avl BG LVL	0.06	####	0.03	ug/L	1				First UF mercury detection in five sampling rounds
C2	5	7	08/30/06	0.12	4.1	2.11	2	Alluvial	18-MW-8	8	09/13/07		F	CS	METALS	Mercury	Hg	4.1	1.94	LANL Avl BG LVL	0.06	68.3	0.03	ug/L	1				2nd detect, 1st above STD.
C2	5	6	08/31/06	0.12	0.63	0.375	2	Alluvial	18-MW-11	27	09/13/07		UF	CS	METALS	Mercury	Hg	0.12	0.32	LANL Avl BG LVL	0.06	2.0	0.03	ug/L	1	J	J, JN-	IWQ6, IWQ2	Duplicate samples are only detections for this location out of total 13 F and UF samples
C2	5	6	08/31/06	0.12	0.63	0.375	2	Alluvial	18-MW-11	27	09/13/07	FD	UF	CS	METALS	Mercury	Hg	0.63	1.68	LANL Avl BG LVL	0.06	10.5	0.03	ug/L	1		J	IWQ6	Duplicate samples are only detections for this location out of total 13 F and UF samples
C2	5	5	08/23/06	0.059	1.7	0.148	4	Intermediate	03-B-10	20.6	09/18/07		F	CS	METALS	Mercury	Hg	1.7	11.49	LANL Int BG LVL	0.06	28.3	0.03	ug/L	1				Highest result, UF was 0.14 ug/L, prior values range from 0.056 - 0.2 ug/L.
C2	13	15	03/08/01	0.057	0.84	0.4485	2	Regional	R-22	1273.5	09/17/07		UF	CS	METALS	Mercury	Hg	0.84	1.87	LANL Reg BG LVL	0.06	14.0	0.03	ug/L	1				Possible method blank contamination. 15 times greater than other detect, All F samples from this screen were non detect.
C2	3	3	09/19/06	6.1	6.1	6.1	1	Regional Spring	Spring 4C	0	09/25/07		F	CS	METALS	Arsenic	As	6.1	1.00	LANL Reg BG LVL	6	1.0	1.5	ug/L	1				UF was 4 ug/L, prior values range from 1.6 - 4 ug/L.
C2	3	3	09/18/06	0.87	0.87	0.87	1	Regional Spring	Spring 4B	0	09/25/07		UF	CS	METALS	Mercury	Hg	0.87	1.00	LANL Reg BG LVL	0.06	14.5	0.03	ug/L	1		J+	IWQ6	Onle detection for this well out of total 12 samples, including F and UF.
C3	5	7	08/30/06	6.7	6.7	6.7	1	Alluvial	18-MW-8	8	09/13/07		UF	CS	METALS	Mercury	Hg	6.7	1.00	EPA PRIM DW STD	2	6.7	0.03	ug/L	1				First UF mercury detection in five sampling rounds
C3	5	7	08/30/06	0.12	4.1	2.11	2	Alluvial	18-MW-8	8	09/13/07		F	CS	METALS	Mercury	Hg	4.1	1.94	EPA PRIM DW STD	2	4.1	0.03	ug/L	1				2nd detect, 1st above STD.
C3	5	6	08/31/06	0.0327	0.0327	0.0327	1	Alluvial	18-MW-11	27	09/13/07		UF	CS	PEST/PCB	Dieldrin	60-57-1	0.0327	1.00	EPA TAP SCRNLVL C-5	0.04202	1.6	0.00532	ug/L	1	J			FD was non detect
C3	5	5	08/23/06	0.059	1.7	0.148	4	Intermediate	03-B-10	20.6	09/18/07		F	CS	METALS	Mercury	Hg	1.7	11.49	EPA PRIM DW STD	2	1.7	0.03	ug/L	1				Highest result, UF was 0.14 ug/L, prior values range from 0.056 - 0.2 ug/L.
C3	6	6	06/27/06	2.3	22.1	4.1	6	Intermediate	03-B-10	20.6	09/18/07		UF	CS	METALS	Lead	Pb	8.8	2.15	EPA PRIM DW STD	15	1.2	0.5	ug/L	1				1st above 1/2 STD after 6/14/07. F was 2.3 ug/L.
C3	3	3	09/19/06	6.1	6.1	6.1	1	Regional Spring	Spring 4C	0	09/25/07		F	CS	METALS	Arsenic	As	6.1	1.00	EPA PRIM DW STD	10	1.2	1.5	ug/L	1				UF was 4 ug/L, prior values range from 1.6 - 4 ug/L.
C3	6	7	09/25/01	5.8	5.8	5.8	1	Regional Spring	Spring 6A	0	09/25/07		F	CS	METALS	Arsenic	As	5.8	1.00	EPA PRIM DW STD	10	1.2	1.5	ug/L	1				UF was 3 ug/L, prior values range from 2-4 ug/L.
C3	2	4	09/19/06	4.9	5	4.95	2	Regional Spring	Spring 6AAA	0	09/25/07	FD	UF	CS	METALS	Arsenic	As	5	1.01	EPA PRIM DW STD	10	1.0	1.5	ug/L	1				2nd detect, 1st above 1/2 STD.

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Zone	Location	Port Depth	Start Date	Fld QC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Std Result	Result/Median	LVL Type/Risk Code	Screen Level	Exceedance Ratio	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Comments
C3	2	4	09/19/06	4.5	5.3	4.9	2	Regional Spring	Spring 6AAA	0	09/25/07	FD	F	CS	METALS	Arsenic	As	5.3	1.08	EPA PRIM DW STD	10	1.1	1.5	ug/L	1				2nd detect, 1st above 1/2 STD.
CA	5	7	08/30/06	6.7	6.7	6.7	1	Alluvial	18-MW-8	8	09/13/07		UF	CS	METALS	Mercury	Hg	6.7	1.00	EPA PRIM DW STD	2	3.4	0.03	ug/L	1				First UF mercury detection in five sampling rounds
CA	5	7	08/30/06	0.12	4.1	2.11	2	Alluvial	18-MW-8	8	09/13/07		F	CS	METALS	Mercury	Hg	4.1	1.94	EPA PRIM DW STD	2	2.1	0.03	ug/L	1				2nd detect, 1st above STD.