SUMMARY OF NEW LOS ALAMOS NATIONAL LABORATORY GROUNDWATER DATA LOADED IN AUGUST 2011

INTRODUCTION

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

The report includes one table, *Table 1: NMED 8-11 Groundwater Report*. This table contains some values that are reported when they are detected for the first time since June 14, 2007, or are greater than other data collected since that time (as specified in the Consent Order). These reported data are often similar to data gathered before June 14, 2007.

This table includes additional comments on the significance of the results for those that appear to be exceptional or are first-time occurrences of results based on considering monitoring data acquired before June 14, 2007 (using statistics described below).

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

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

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

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

DESCRIPTION OF TABLE

The table is divided into separate categories that correspond to the seven screening criteria in the Consent Order and included below: they are labeled C1 through C6 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 one or more than one criteria and appear in the table multiple times. The table also presents only the instances where the results exceed criteria; therefore, not all seven criteria may appear in the table.

The criteria are as follows:

CA. The Respondents shall notify the Department orally within one business day after review of the analytical data if such data show detection of a contaminant in a well screen interval or spring at a concentration that exceeds either the NMWQCC water quality standard or the federal MCL if that contaminant has not previously exceeded such water quality standard or maximum contaminant level in such well screen interval or spring.

C1. Detection of a contaminant that is an organic compound in a spring or screened interval of a well if that contaminant has not previously been detected in the spring or screened interval.

C2. Detection of a contaminant that is a metal or other inorganic compound at a concentration above the background level in a spring or screened interval of a well if that contaminant has not previously exceeded the background level in the spring or screened interval.

C3. Detection of a contaminant in a spring or screened interval of a well at a concentration that exceeds either one-half the New Mexico water quality standard or one-half the federal maximum contaminant level, or if there is no such standard for the contaminant, one-half the EPA Region 6 human health medium-specific screening level for tap water (now the EPA Regional Screening Levels for tap water), if that contaminant has not previously exceeded one-half such standard or screening level in the spring or screened interval.

C4. Detection of perchlorate in a spring or screened interval of a well at a concentration of 2 µg/L or greater if perchlorate at such concentration has not previously been detected in the spring or screened interval.

C5. Detection of a contaminant that is a metal or other inorganic compound in a spring or screened interval of a well at a concentration that exceeds 2 times the background level for the third consecutive sampling of the spring or screened interval.

C6. Detection of a contaminant in a spring or screened interval of a well at a concentration that exceeds either one-half the New Mexico water quality standard or one-half the federal MCL, and that has increased for the third consecutive sampling of that spring or screened interval.

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

The subsequent columns contain location and sampling information:

Hdr 1—canyon where monitoring location is found

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

Location—monitoring location name

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

Start Date—sample date

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

Fld Prep—identifies whether samples are filtered or unfiltered

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

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

Analyte Desc—name of analyte

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

Std Result—the analytical result in standard measurement units

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

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

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

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

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

Std 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 08-11 Groundwater Report

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fld QC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	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	Notes
C1	16	21	11/30/05	17.3	17.3	17.3	1	Sandia Canyon	Regional	R-10a	690	05/26/11		UF	CS	SVOA	Diethylphthalate	84-66-2	17.3	1.00	EPA TAP SCRN LVL N	29000	0.0	2.1	ug/L	1				SW-846:8270C	GELC	
C1	10	14	06/22/09	2.25	2.25	2.25	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-37	1026	07/13/11		UF	CS	SVOA	Diethylphthalate	84-66-2	2.25	1.00	EPA TAP SCRN LVL N	29000	0.0	2	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC	
C1	1	1	07/12/11	129	129	129	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	R-40	649.7	07/12/11		UF	CS	DRO	Total Petroleum Hydrocarbons Diesel Range Organics	TPH-DRO	129	1.00				65	ug/L	1	J	J	DR12e	SW-846:8015M_ EXTRACTABLE	GELC	
C1	7	7	02/15/10	0.0000749	0.0000749	0.0000749	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	830	07/12/11		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.0000749	1.00				0.0000112	ug/L	1	J	J	J_LAB	SW-846:8290	CFA	
C1	7	7	02/21/10	0.0000664	0.0000664	0.0000664	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	915	07/12/11		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.0000664	1.00				0.000011	ug/L	1	J	J	J_LAB	SW-846:8290	CFA	
C1	7	7	02/21/10	0.00000792	0.00000792	0.00000792	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	915	07/12/11		UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	0.00000792	1.00				0.00000552	ug/L	1	J	J	J_LAB	SW-846:8290	CFA	
C1	7	7	02/21/10	0.0000152	0.0000152	0.0000152	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	915	07/12/11		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	0.0000152	1.00				0.00000552	ug/L	1	J	J	J_LAB	SW-846:8290	CFA	
C1	10	10	06/23/09	0.000109	0.000109	0.000109	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-49	845	07/08/11		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.000109	1.00				0.0000102	ug/L	1				SW-846:8290	CFA	
C1	10	10	06/23/09	0.0000117	0.0000117	0.0000117	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-49	845	07/08/11		UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	0.0000117	1.00				0.0000051	ug/L	1	J	J	J_LAB	SW-846:8290	CFA	
C1	10	10	06/23/09	0.0000225	0.0000225	0.0000225	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-49	845	07/08/11		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	0.0000225	1.00				0.0000051	ug/L	1	J	J	J_LAB	SW-846:8290	CFA	
C1	10	12	06/23/09	23.3	23.3	23.3	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-49	845	07/08/11		UF	CS	SVOA	Diethylphthalate	84-66-2	23.3	1.00	EPA TAP SCRN LVL N	29000	0.0	2.2	ug/L	1				SW-846:8270C	GELC	
C1	3	3	07/01/10	0.0000531	0.0000531	0.0000531	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	910	07/13/11		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.0000531	1.00				0.0000106	ug/L	1	J	J	J_LAB	SW-846:8290	CFA	
C1	3	3	07/01/10	0.00000662	0.00000662	0.00000662	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	910	07/13/11		UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	0.00000662	1.00				0.00000601	ug/L	1	J	J	J_LAB	SW-846:8290	CFA	
C1	3	3	07/01/10	0.0000131	0.0000131	0.0000131	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	910	07/13/11		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	0.0000131	1.00				0.00000601	ug/L	1	J	J	J_LAB	SW-846:8290	CFA	
C1	3	3	07/01/10	0.0136	0.0136	0.0136	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	910	07/13/11		UF	CS	PEST/PCB	DDD[4,4'-]	72-54-8	0.0136	1.00	EPA TAP SCRN LVL C-5	2.8	0.0	0.011	ug/L	1	J	J	J_LAB	SW-846:8081A	GELC	found in field blank at R-53 sampled one day later
C1	3	4	07/01/10	31.4	31.4	31.4	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	910	07/13/11		UF	CS	SVOA	Diethylphthalate	84-66-2	31.4	1.00	EPA TAP SCRN LVL N	29000	0.0	2	ug/L	1				SW-846:8270C	GELC	
C1	3	3	06/25/10	0.0000437	0.0000437	0.0000437	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	971.5	07/13/11		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.0000437	1.00				0.0000109	ug/L	1	J	J	J_LAB	SW-846:8290	CFA	
C1	3	3	06/25/10	0.00000617	0.00000617	0.00000617	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	971.5	07/13/11		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	0.00000617	1.00				0.00000543	ug/L	1	J	J	J_LAB	SW-846:8290	CFA	
C1	3	3	06/25/10	0.039	0.039	0.039	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	971.5	07/13/11		UF	CS	PEST/PCB	Aroclor-1254	11097-69-1	0.039	1.00	EPA MCL	0.5	0.1	0.036	ug/L	1	J	J	J_LAB	SW-846:8082	GELC	possible contamination during sampling or analysis
C1	3	3	06/25/10	0.062	0.062	0.062	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	971.5	07/13/11		UF	CS	PEST/PCB	Aroclor-1242	53469-21-9	0.062	1.00	EPA MCL	0.5	0.1	0.036	ug/L	1	J	J	J_LAB	SW-846:8082	GELC	possible contamination during sampling or analysis
C1	6	7	05/10/10	0.25	0.25	0.25	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-29	1170	06/10/11		UF	CS	SVOA	Benzo(k)fluoranthene	207-08-9	0.25	1.00	EPA TAP SCRN LVL C-5	2.9	0.1	0.2	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC	possible contamination during sampling or analysis
C1	6	7	05/10/10	0.29	0.29	0.29	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-29	1170	06/10/11		UF	CS	SVOA	Benzo(a)pyrene	50-32-8	0.29	1.00	EPA MCL	0.2	1.5	0.2	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC	possible contamination during sampling or analysis
C1	5	9	05/19/10	0.489	0.489	0.489	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-30	1140	06/15/11		UF	CS	SVOA	Benzo(g,h,i)perylene	191-24-2	0.489	1.00				0.21	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC	possible contamination during sampling or analysis
C1	5	9	05/19/10	0.447	0.447	0.447	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-30	1140	06/15/11		UF	CS	SVOA	Indeno(1,2,3-cd)pyrene	193-39-5	0.447	1.00	EPA TAP SCRN LVL C-5	0.29	1.5	0.21	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC	possible contamination during sampling or analysis

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fld QC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	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	Notes
C1	5	9	05/19/10	0.468	0.468	0.468	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-30	1140	06/15/11		UF	CS	SVOA	Dibenz(a,h)anthracene	53-70-3	0.468	1.00	EPA TAP SCRN LVL C-5	0.029	16.1	0.21	ug/L	1	J	J	SV7c	SW-846:8270C	GELC	possible contamination during sampling or analysis
C2	19	19	06/29/06	0.0793	1.24	0.499	17	Sandia Canyon	Regional	R-10	1042	05/26/11		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.24	2.48	LANL Reg BG LVL	0.89	1.4	0.05	mg/L	5				EPA:353.2	GELC	next highest is 0.56 mg/L
C2	10	11	06/22/09	2.77	8.06	3.43	8	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-37	1026	07/13/11		F	CS	METALS	Chromium	Cr	8.06	2.35	LANL Reg BG LVL	5.75	1.4	2	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	higher than usual but estimated
C2	6	6	04/19/10	0.038	0.201	0.12	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-53	849.2	07/14/11		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.201	1.68	LANL Reg BG LVL	0.16	1.3	0.015	mg/L	1		J	I4a	EPA:365.4	GELC	
C2	6	9	04/14/10	0.198	0.198	0.198	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-53	959.7	07/14/11	FD	F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.198	1.00	LANL Reg BG LVL	0.16	1.2	0.015	mg/L	1		J	I4a	EPA:365.4	GELC	
C2	4	4	09/14/10	0.418	0.461	0.431	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-55	994.4	07/14/11		F	CS	GENINORG	Perchlorate	ClO4	0.461	1.07	LANL Reg BG LVL	0.46	1.0	0.05	ug/L	1				SW-846:6850	GELC	
C2	22	32	06/23/06	0.0434	0.373	0.0715	8	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	07/11/11		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.117	1.64	LANL Int BG LVL	0.08	1.5	0.015	mg/L	1		J	I4a	EPA:365.4	GELC	
C2	7	7	02/15/10	0.215	1.06	0.286	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	830	07/12/11		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	1.06	3.71	LANL Reg BG LVL	0.89	1.2	0.05	mg/L	5				EPA:353.2	GELC	next highest is 0.33 mg/L
C2	3	3	07/01/10	0.042	0.0508	0.0464	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	910	07/13/11		F	CS	GENINORG	Ammonia as Nitrogen	NH3-N	0.0508	1.09	LANL Reg BG LVL	0.05	1.0	0.016	mg/L	1				EPA:350.1	GELC	
C2	3	3	06/25/10	0.204	0.204	0.204	1	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	971.5	07/13/11		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.204	1.00	LANL Reg BG LVL	0.16	1.3	0.015	mg/L	1		J	I4a	EPA:365.4	GELC	
C2	3	3	06/25/10	3.86	6.23	5.05	2	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	971.5	07/13/11		F	CS	METALS	Chromium	Cr	6.23	1.23	LANL Reg BG LVL	5.75	1.1	2	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	higher than usual but estimated
C2	6	6	02/08/10	1.12	1.12	1.12	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CDV-37-1(i)	632	06/20/11		F	CS	METALS	Cobalt	Co	1.12	1.00	LANL Int BG LVL	0.5	2.2	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	6	6	12/11/09	2.13	2.13	2.13	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-27i	619	06/20/11		F	CS	METALS	Chromium	Cr	2.13	1.00	LANL Int BG LVL	1	2.1	2	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C2	7	8	08/09/02	133	192	171	8	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	06/15/11		F	CS	GENINORG	Total Dissolved Solids	TDS	192	1.12	LANL Reg BG LVL	191.68	1.0	2.4	mg/L	1				EPA:160.1	GELC	
C2	11	11	12/07/00	1.46	7.5	1.96	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	06/15/11		F	CS	METALS	Nickel	Ni	3.41	1.74	LANL Reg BG LVL	3.09	1.1	0.5	ug/L	1				SW-846:6020	GELC	
C2	14	15	12/11/00	22.9	35.2	29.1	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1606	06/16/11		F	CS	METALS	Iron	Fe	35.2	1.21	LANL Reg BG LVL	21	1.7	30	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C2	14	14	12/12/00	2.2	9	6.7	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1796	06/17/11		F	CS	METALS	Zinc	Zn	6.27	0.94	LANL Reg BG LVL	3.89	1.6	3.3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C3	6	7	05/10/10	0.29	0.29	0.29	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-29	1170	06/10/11		UF	CS	SVOA	Benzo(a)pyrene	50-32-8	0.29	1.00	EPA MCL	0.2	2.9	0.2	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC	possible contamination during sampling or analysis
C3	5	9	05/19/10	0.447	0.447	0.447	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-30	1140	06/15/11		UF	CS	SVOA	Indeno(1,2,3-cd)pyrene	193-39-5	0.447	1.00	EPA TAP SCRN LVL C-5	0.29	3.1	0.21	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC	possible contamination during sampling or analysis
C3	5	9	05/19/10	0.468	0.468	0.468	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-30	1140	06/15/11		UF	CS	SVOA	Dibenz(a,h)anthracene	53-70-3	0.468	1.00	EPA TAP SCRN LVL C-5	0.029	32.3	0.21	ug/L	1	J	J	SV7c	SW-846:8270C	GELC	possible contamination during sampling or analysis
C5	5	6	04/29/10	36.9	39.4	38.2	6	Pueblo Canyon (includes Acid Canyon)	Intermediate	TW-2Ar	102	06/20/11		F	CS	GENINORG	Calcium	Ca	39.4	1.03	LANL Int BG LVL	17.31	1.1	0.05	mg/L	1				SW-846:6010B	GELC	
C5	5	6	04/29/10	43.3	48.2	46.3	6	Pueblo Canyon (includes Acid Canyon)	Intermediate	TW-2Ar	102	06/20/11		F	CS	GENINORG	Chloride	Cl(-1)	43.3	0.94	LANL Int BG LVL	7.78	2.8	0.66	mg/L	10				EPA:300.0	GELC	
C5	5	6	04/29/10	0.482	0.565	0.503	6	Pueblo Canyon (includes Acid Canyon)	Intermediate	TW-2Ar	102	06/20/11		F	CS	GENINORG	Perchlorate	ClO4	0.482	0.96	LANL Int BG LVL	0.05	4.8	0.05	ug/L	1				SW-846:6850	GELC	
C5	5	6	04/29/10	0.131	0.335	0.307	6	Pueblo Canyon (includes Acid Canyon)	Intermediate	TW-2Ar	102	06/20/11		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.289	0.94	LANL Int BG LVL	0.08	1.8	0.015	mg/L	1		J	I4a	EPA:365.4	GELC	
C5	5	6	04/29/10	285	299	291	6	Pueblo Canyon (includes Acid Canyon)	Intermediate	TW-2Ar	102	06/20/11		F	CS	GENINORG	Total Dissolved Solids	TDS	289	0.99	LANL Int BG LVL	127	1.1	2.4	mg/L	1				EPA:160.1	GELC	
C5	5	6	04/29/10	173	195	181	6	Pueblo Canyon (includes Acid Canyon)	Intermediate	TW-2Ar	102	06/20/11		F	CS	METALS	Boron	B	173	0.96	LANL Int BG LVL	15.12	5.7	15	ug/L	1				SW-846:6010B	GELC	
C5	5	6	04/29/10	2.78	3.61	3.2	6	Pueblo Canyon (includes Acid Canyon)	Intermediate	TW-2Ar	102	06/20/11		F	CS	METALS	Nickel	Ni	3.01	0.94	LANL Int BG LVL	1	1.5	0.5	ug/L	1				SW-846:6020	GELC	
C5	12	16	10/21/08	0.194	0.516	0.467	16	Sandia Canyon	Intermediate	SCI-2	548	06/02/11	FD	F	CS	GENINORG	Bromide	Br(-1)	0.507	1.09	LANL Int BG LVL	0.03	8.5	0.066	mg/L	1				EPA:300.0	GELC	
C5	12	16	10/21/08	0.194	0.516	0.467	16	Sandia Canyon	Intermediate	SCI-2	548	06/02/11		F	CS	GENINORG	Bromide	Br(-1)	0.505	1.08	LANL Int BG LVL	0.03	8.4	0.066	mg/L	1				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	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	Anyl Meth Code	Lab Code	Notes
C5	12	18	10/21/08	59.5	68.9	64.5	18	Sandia Canyon	Intermediate	SCI-2	548	06/02/11		F	CS	GENINORG	Calcium	Ca	68.3	1.06	LANL Int BG LVL	17.31	2.0	0.05	mg/L	1				SW-846:6010B	GELC	
C5	12	18	10/21/08	59.5	68.9	64.5	18	Sandia Canyon	Intermediate	SCI-2	548	06/02/11	FD	F	CS	GENINORG	Calcium	Ca	68.9	1.07	LANL Int BG LVL	17.31	2.0	0.05	mg/L	1				SW-846:6010B	GELC	
C5	12	16	10/21/08	53.4	63.5	56.7	16	Sandia Canyon	Intermediate	SCI-2	548	06/02/11	FD	F	CS	GENINORG	Chloride	Cl(-1)	58.7	1.04	LANL Int BG LVL	7.78	3.8	0.66	mg/L	10				EPA:300.0	GELC	
C5	12	16	10/21/08	53.4	63.5	56.7	16	Sandia Canyon	Intermediate	SCI-2	548	06/02/11		F	CS	GENINORG	Chloride	Cl(-1)	57.9	1.02	LANL Int BG LVL	7.78	3.7	0.66	mg/L	10				EPA:300.0	GELC	
C5	12	16	10/21/08	0.936	1.12	1.015	16	Sandia Canyon	Intermediate	SCI-2	548	06/02/11	FD	F	CS	GENINORG	Perchlorate	ClO4	1.02	1.00	LANL Int BG LVL	0.05	10.2	0.1	ug/L	2				SW-846:6850	GELC	
C5	12	16	10/21/08	0.936	1.12	1.015	16	Sandia Canyon	Intermediate	SCI-2	548	06/02/11		F	CS	GENINORG	Perchlorate	ClO4	1.06	1.04	LANL Int BG LVL	0.05	10.6	0.1	ug/L	2				SW-846:6850	GELC	
C5	12	18	10/21/08	13.1	15.9	14.7	16	Sandia Canyon	Intermediate	SCI-2	548	06/02/11		F	CS	GENINORG	Magnesium	Mg	15.6	1.06	LANL Int BG LVL	6.12	1.3	0.11	mg/L	1				SW-846:6010B	GELC	
C5	12	18	10/21/08	13.1	15.9	14.7	16	Sandia Canyon	Intermediate	SCI-2	548	06/02/11	FD	F	CS	GENINORG	Magnesium	Mg	15.9	1.08	LANL Int BG LVL	6.12	1.3	0.11	mg/L	1				SW-846:6010B	GELC	
C5	12	16	10/21/08	83.3	101	87.3	16	Sandia Canyon	Intermediate	SCI-2	548	06/02/11		F	CS	GENINORG	Sulfate	SO4(-2)	86.4	0.99	LANL Int BG LVL	40.03	1.1	1	mg/L	10				EPA:300.0	GELC	
C5	12	16	10/21/08	83.3	101	87.3	16	Sandia Canyon	Intermediate	SCI-2	548	06/02/11	FD	F	CS	GENINORG	Sulfate	SO4(-2)	88.5	1.01	LANL Int BG LVL	40.03	1.1	1	mg/L	10				EPA:300.0	GELC	
C5	12	16	10/21/08	354	451	415	16	Sandia Canyon	Intermediate	SCI-2	548	06/02/11	FD	F	CS	GENINORG	Total Dissolved Solids	TDS	443	1.07	LANL Int BG LVL	127	1.7	2.4	mg/L	1				EPA:160.1	GELC	
C5	12	16	10/21/08	354	451	415	16	Sandia Canyon	Intermediate	SCI-2	548	06/02/11		F	CS	GENINORG	Total Dissolved Solids	TDS	420	1.01	LANL Int BG LVL	127	1.7	2.4	mg/L	1				EPA:160.1	GELC	
C5	12	24	10/21/08	441	658	549	24	Sandia Canyon	Intermediate	SCI-2	548	06/02/11		F	CS	METALS	Chromium	Cr	508	0.93	LANL Int BG LVL	1	254.0	2	ug/L	1				SW-846:6020	GELC	
C5	12	24	10/21/08	441	658	549	24	Sandia Canyon	Intermediate	SCI-2	548	06/02/11	FD	F	CS	METALS	Chromium	Cr	507	0.92	LANL Int BG LVL	1	253.5	2	ug/L	1				SW-846:6020	GELC	
C5	12	18	10/21/08	14.5	19.3	16.8	18	Sandia Canyon	Intermediate	SCI-2	548	06/02/11		F	CS	METALS	Nickel	Ni	17	1.01	LANL Int BG LVL	1	8.5	0.5	ug/L	1				SW-846:6020	GELC	
C5	12	18	10/21/08	14.5	19.3	16.8	18	Sandia Canyon	Intermediate	SCI-2	548	06/02/11	FD	F	CS	METALS	Nickel	Ni	16.8	1.00	LANL Int BG LVL	1	8.4	0.5	ug/L	1				SW-846:6020	GELC	
C5	12	18	10/21/08	278	333	307	18	Sandia Canyon	Intermediate	SCI-2	548	06/02/11	FD	F	CS	METALS	Strontium	Sr	318	1.04	LANL Int BG LVL	154.76	1.0	1	ug/L	1				SW-846:6010B	GELC	
C5	12	18	10/21/08	278	333	307	18	Sandia Canyon	Intermediate	SCI-2	548	06/02/11		F	CS	METALS	Strontium	Sr	316	1.03	LANL Int BG LVL	154.76	1.0	1	ug/L	1				SW-846:6010B	GELC	
C5	17	18	09/18/00	0.07	0.128	0.102	9	Sandia Canyon	Intermediate	R-12	459	06/03/11		F	CS	GENINORG	Bromide	Br(-1)	0.12	1.18	LANL Int BG LVL	0.03	2.0	0.066	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
C5	17	18	09/18/00	9.52	19.6	14.5	18	Sandia Canyon	Intermediate	R-12	459	06/03/11		F	CS	GENINORG	Chloride	Cl(-1)	19.6	1.35	LANL Int BG LVL	7.78	1.3	0.066	mg/L	1		J+	I6b	EPA:300.0	GELC	
C5	13	14	06/16/05	0.193	0.417	0.27	12	Sandia Canyon	Intermediate	R-12	459	06/03/11		F	CS	GENINORG	Perchlorate	ClO4	0.326	1.21	LANL Int BG LVL	0.05	3.3	0.05	ug/L	1		J	PE12e	SW-846:6850	GELC	
C5	18	19	09/18/00	33	122	50	17	Sandia Canyon	Intermediate	R-12	459	06/03/11		F	CS	METALS	Boron	B	53.3	1.07	LANL Int BG LVL	15.12	1.8	15	ug/L	1				SW-846:6010B	GELC	
C5	18	19	09/18/00	35.8	860	161	19	Sandia Canyon	Intermediate	R-12	459	06/03/11		F	CS	METALS	Manganese	Mn	148	0.92	LANL Int BG LVL	2	37.0	2	ug/L	1				SW-846:6010B	GELC	
C5	18	19	09/18/00	0.910000026	5.100000381	1.91	17	Sandia Canyon	Intermediate	R-12	459	06/03/11		F	CS	METALS	Nickel	Ni	2.55	1.34	LANL Int BG LVL	1	1.3	0.5	ug/L	1				SW-846:6020	GELC	
C5	16	24	08/29/07	26.2	62.3	33.6	24	Sandia Canyon	Regional	R-35b	825.4	06/01/11		F	CS	METALS	Zinc	Zn	28.2	0.84	LANL Reg BG LVL	3.89	3.6	3.3	ug/L	1				SW-846:6010B	GELC	
C5	13	15	05/12/08	1.43	1.74	1.64	15	Sandia Canyon	Regional	R-36	766.9	06/02/11		F	CS	GENINORG	Perchlorate	ClO4	1.64	1.00	LANL Reg BG LVL	0.46	1.8	0.2	ug/L	4				SW-846:6850	GELC	
C5	13	15	05/12/08	2.06	2.71	2.27	15	Sandia Canyon	Regional	R-36	766.9	06/02/11		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	2.71	1.19	LANL Reg BG LVL	0.89	1.5	0.05	mg/L	5				EPA:353.2	GELC	next highest is 2.49 mg/L
C5	13	15	05/12/08	49.9	75.3	66.5	15	Sandia Canyon	Regional	R-36	766.9	06/02/11		F	CS	METALS	Zinc	Zn	50.4	0.76	LANL Reg BG LVL	3.89	6.5	3.3	ug/L	1				SW-846:6010B	GELC	
C5	22	24	11/30/05	6.7	111	9.3	23	Sandia Canyon	Regional	R-10a	690	05/26/11		F	CS	METALS	Zinc	Zn	9.79	1.05	LANL Reg BG LVL	3.89	1.3	3.3	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	22	32	06/23/06	18.5	610	107.5	32	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	07/11/11		F	CS	GENINORG	Chloride	Cl(-1)	34.5	0.32	LANL Int BG LVL	7.78	2.2	0.33	mg/L	5				EPA:300.0	GELC	
C5	22	32	06/23/06	0.0518	0.554	0.107	29	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	07/11/11		F	CS	GENINORG	Perchlorate	ClO4	0.107	1.00	LANL Int BG LVL	0.05	1.1	0.05	ug/L	1	J	J	J_LAB	SW-846:6850	GELC	
C5	22	32	06/23/06	24.1	347	85	32	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	07/11/11		F	CS	GENINORG	Sodium	Na	44	0.52	LANL Int BG LVL	12.19	1.8	0.1	mg/L	1				SW-846:6010B	GELC	
C5	22	32	06/23/06	81.1	35600	2850	32	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	07/11/11		F	CS	METALS	Aluminum	Al	7830	2.75	LANL Int BG LVL	1065.84	3.7	68	ug/L	1				SW-846:6010B	GELC	
C5	22	32	06/23/06	12.4	77.6	40.3	27	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	07/11/11		F	CS	METALS	Boron	B	54.6	1.35	LANL Int BG LVL	15.12	1.8	15	ug/L	1				SW-846:6010B	GELC	
C5	22	32	06/23/06	2.6	14.8	3.8	20	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	07/11/11		F	CS	METALS	Chromium	Cr	3.31	0.87	LANL Int BG LVL	1	1.7	2	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C5	22	32	06/23/06	3.1	681	24.5	32	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	07/11/11		F	CS	METALS	Manganese	Mn	27.4	1.12	LANL Int BG LVL	2	6.9	2	ug/L	1				SW-846:6010B	GELC	
C5	22	32	06/23/06	1.3	14.5	3	32	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	07/11/11		F	CS	METALS	Nickel	Ni	2.94	0.98	LANL Int BG LVL	1	1.5	0.5	ug/L	1				SW-846:6020	GELC	
C5	22	32	06/23/06	0.51	20	3.2	26	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	07/11/11		F	CS	METALS	Lead	Pb	4.01	1.25	LANL Int BG LVL	0.5	4.0	0.5	ug/L	1				SW-846:6020	GELC	
C5	22	32	06/23/06	3.3	83.5	31.1	31	Pajarito Canyon (includes Twomile and Threemile Canyons)	Intermediate	03-B-13	21.5	07/11/11		F	CS	METALS	Zinc	Zn	31.6	1.02	LANL Int BG LVL	2	7.9	3.3	ug/L	1				SW-846:6010B	GELC	
C5	7	7	02/15/10	1.08	3.08	2.03	6	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	830	07/12/11		F	CS	METALS	Cobalt	Co	1.9	0.94	LANL Reg BG LVL	0.5	1.9	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	7	7	02/15/10	101	3850	1530	7	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	830	07/12/11		F	CS	METALS	Iron	Fe	1530	1.00	LANL Reg BG LVL	21	36.4	30	ug/L	1				SW-846:6010B	GELC	note high values
C5	7	7	02/15/10	42.1	280	207	7	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-54	830	07/12/11		F	CS	METALS	Manganese	Mn	207	1.00	LANL Reg BG LVL	2.94	35.2	2	ug/L	1		J	I4a	SW-846:6010B	GELC	note high values

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	Fld QC Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	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	Notes
C5	9	9	06/23/09	0.615	3.54	1.2	9	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-49	845	07/08/11		UF	CS	GENINORG	Total Organic Carbon	TOC	1.2	1.00	LANL Reg BG LVL	0.33	1.8	0.33	mg/L	1				SW-846:9060	GELC	
C5	3	3	07/01/10	13.7	78.6	64.7	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	910	07/13/11		F	CS	METALS	Manganese	Mn	64.7	1.00	LANL Reg BG LVL	2.94	11.0	2	ug/L	1				SW-846:6010B	GELC	
C5	3	3	06/25/10	9.42	16.5	10.8	3	Pajarito Canyon (includes Twomile and Threemile Canyons)	Regional	R-57	971.5	07/13/11		F	CS	METALS	Manganese	Mn	10.8	1.00	LANL Reg BG LVL	2.94	1.8	2	ug/L	1				SW-846:6010B	GELC	
C5	5	5	08/02/05	0.512	0.577	0.566	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	754.8	06/14/11		F	CS	GENINORG	Perchlorate	ClO4	0.533	0.94	LANL Int BG LVL	0.05	5.3	0.05	ug/L	1				SW-846:6850	GELC	
C5	9	9	11/14/00	91	270	163	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	754.8	06/14/11		F	CS	METALS	Boron	B	105	0.64	LANL Int BG LVL	15.12	3.5	15	ug/L	1				SW-846:6010B	GELC	
C5	9	9	11/14/00	1.7	11.5	6.3	8	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	754.8	06/14/11		F	CS	METALS	Cobalt	Co	7.73	1.23	LANL Int BG LVL	0.5	7.7	1	ug/L	1				SW-846:6010B	GELC	
C5	9	10	11/14/00	0.82	8.6	6.12	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	754.8	06/14/11		F	CS	METALS	Chromium	Cr	6.12	1.00	LANL Int BG LVL	1	3.1	2	ug/L	1	J	J	J_LAB	SW-846:6020	GELC	
C5	9	9	11/14/00	6.9	183	86	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	754.8	06/14/11		F	CS	METALS	Manganese	Mn	92.5	1.08	LANL Int BG LVL	2	23.1	2	ug/L	1				SW-846:6010B	GELC	
C5	9	9	11/14/00	9.5	731	454	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	754.8	06/14/11		F	CS	METALS	Nickel	Ni	623	1.37	LANL Int BG LVL	1	311.5	0.5	ug/L	1				SW-846:6020	GELC	
C5	6	8	12/21/09	0.0708	0.0841	0.0721	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-47i	840	06/21/11	FD	F	CS	GENINORG	Bromide	Br(-1)	0.0841	1.17	LANL Int BG LVL	0.03	1.4	0.066	mg/L	1	J	J	J_LAB	EPA:300.0	GELC	
C5	6	8	12/21/09	0.222	0.272	0.241	8	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-47i	840	06/21/11		F	CS	GENINORG	Perchlorate	ClO4	0.246	1.02	LANL Int BG LVL	0.05	2.5	0.05	ug/L	1				SW-846:6850	GELC	
C5	6	8	12/21/09	0.222	0.272	0.241	8	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-47i	840	06/21/11	FD	F	CS	GENINORG	Perchlorate	ClO4	0.254	1.05	LANL Int BG LVL	0.05	2.5	0.05	ug/L	1				SW-846:6850	GELC	
C5	6	6	02/08/10	0.112	0.257	0.126	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CDV-37-1(i)	632	06/20/11		F	CS	GENINORG	Perchlorate	ClO4	0.257	2.04	LANL Int BG LVL	0.05	2.6	0.05	ug/L	1				SW-846:6850	GELC	
C5	6	6	02/08/10	7.77	22.8	17.95	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CDV-37-1(i)	632	06/20/11		F	CS	METALS	Manganese	Mn	7.77	0.43	LANL Int BG LVL	2	1.9	2	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	6	6	02/08/10	9.77	30.7	13.95	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CDV-37-1(i)	632	06/20/11		F	CS	METALS	Zinc	Zn	15.1	1.08	LANL Int BG LVL	2	3.8	3.3	ug/L	1				SW-846:6010B	GELC	
C5	6	6	12/11/09	0.117	0.134	0.126	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-27i	619	06/20/11		F	CS	GENINORG	Perchlorate	ClO4	0.127	1.01	LANL Int BG LVL	0.05	1.3	0.05	ug/L	1	J	J	J_LAB	SW-846:6850	GELC	
C5	5	5	02/07/02	1.12	3.45	2.05	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	06/15/11		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	1.84	0.90	LANL Reg BG LVL	0.16	5.8	0.015	mg/L	1				EPA:365.4	GELC	
C5	8	9	05/08/01	2.65	10.3	4.5	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	06/15/11		UF	CS	GENINORG	Total Organic Carbon	TOC	2.65	0.59	LANL Reg BG LVL	0.33	4.0	0.33	mg/L	1				SW-846:9060	GELC	
C5	11	11	02/08/02	0.22	4.2	0.78	11	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1406.3	06/16/11		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.66	0.85	LANL Reg BG LVL	0.16	2.1	0.015	mg/L	1		J	I4a	EPA:365.4	GELC	
C5	6	6	05/10/10	1.09	1.29	1.22	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-29	1170	06/10/11		F	CS	METALS	Cobalt	Co	1.19	0.98	LANL Reg BG LVL	0.5	1.2	1	ug/L	1	J	J	J_LAB	SW-846:6010B	GELC	
C5	6	6	05/10/10	28.1	214	59.2	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-29	1170	06/10/11		F	CS	METALS	Manganese	Mn	28.1	0.47	LANL Reg BG LVL	2.94	4.8	2	ug/L	1				SW-846:6010B	GELC	
CA	6	7	05/10/10	0.29	0.29	0.29	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-29	1170	06/10/11		UF	CS	SVOA	Benzo(a)pyrene	50-32-8	0.29	1.00	EPA MCL	0.2	1.5	0.2	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC	possible contamination during sampling or analysis
CA	5	9	05/19/10	0.447	0.447	0.447	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-30	1140	06/15/11		UF	CS	SVOA	Indeno(1,2,3-cd)pyrene	193-39-5	0.447	1.00	EPA TAP SCRN LVL C-5	0.29	1.5	0.21	ug/L	1	J	J	J_LAB	SW-846:8270C	GELC	possible contamination during sampling or analysis
CA	5	9	05/19/10	0.468	0.468	0.468	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-30	1140	06/15/11		UF	CS	SVOA	Dibenz(a,h)anthracene	53-70-3	0.468	1.00	EPA TAP SCRN LVL C-5	0.029	16.1	0.21	ug/L	1	J	J	SV7c	SW-846:8270C	GELC	possible contamination during sampling or analysis