SUMMARY OF NEW LOS ALAMOS NATIONAL LABORATORY GROUNDWATER DATA LOADED IN JANUARY 2008

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 (the Stipulated Order) signed by NMED, the 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. Because of problems with the database, only part of the data are available; the remainder will be included in a subsequent report.

The report includes two tables:

Table 1: NMED 1-08 Groundwater Report. This table satisfies the Stipulated Order requirements for reporting January 2008 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.

Because monitoring data acquired before June 14, 2007, preceded the effective date of the Stipulated Order, they are not included in evaluating new results against the criteria. This makes Table 1 quite large because many results that are similar to sampling results found at monitoring locations before June 14, 2007, now meet criteria in the Stipulated Order and are being reported for the first time.

Table 2: NMED 1-08 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, the name of the well or spring, the location of the well or spring, the depth of the screened interval, the groundwater zone sampled, analytical result, detection limit, values for regulatory standards, and analytical and secondary validation qualifiers. Additional information describing the locations and analytical data is also included. 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 01-08 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
C1	3	4	08/08/06	0.000000692	9.51E-07	8.215E-07	2	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	08/01/07		UF	CS	DIOX/FUR	Pentachlorodibenzofurans (Totals)	30402-15-4	0.000000692	0.84				0.000000692	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	3	4	08/08/06	0.0000109	0.0000109	0.0000109	1	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	08/01/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.0000109	1.00				0.0000109	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	3	4	08/08/06	0.00000298	0.00000404	0.00000351	2	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	08/01/07		UF	CS	DIOX/FUR	Heptachlorodibenzofurans (Total)	38998-75-3	0.00000404	1.15				0.00000404	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	3	4	08/08/06	0.00000408	0.00000408	0.00000408	1	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	08/01/07		UF	CS	DIOX/FUR	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	39001-02-0	0.00000408	1.00				0.00000408	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	3	4	08/08/06	0.00000118	0.00000118	0.00000118	1	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	08/01/07		UF	CS	DIOX/FUR	Hexachlorodibenzofurans (Total)	55684-94-1	0.00000118	1.00				0.00000118	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	3	4	08/08/06	0.00000404	0.00000404	0.00000404	1	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	08/01/07		UF	CS	DIOX/FUR	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	67562-39-4	0.00000404	1.00				0.00000404	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	3	4	08/08/06	0.00000118	0.00000118	0.00000118	1	Pueblo Canyon (includes Acid Canyon)	Alluvial	APCO-1	4.7	08/01/07		UF	CS	DIOX/FUR	Hexachlorodibenzofuran[1,2,3,4,7,8-]	70648-26-9	0.00000118	1.00				0.00000118	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/10/06	0.000000801	0.00000257	1.6855E-06	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	06/19/07		UF	CS	DIOX/FUR	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	19408-74-3	0.00000257	1.52	EPA TAP SCRN LVL C-5	0.00010844	0.0	0.00000257	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/10/06	0.00000117	0.0000043	0.00000139	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	06/19/07		UF	CS	DIOX/FUR	Pentachlorodibenzofurans (Totals)	30402-15-4	0.0000043	3.09				0.0000043	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/10/06	0.0000839	0.000117	0.00010045	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	06/19/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.000117	1.16				0.000117	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/10/06	0.00000234	0.0000215	0.00000603	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	06/19/07		UF	CS	DIOX/FUR	Hexachlorodibenzodioxins (Total)	34465-46-8	0.0000215	3.57				0.0000215	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/10/06	0.00000621	0.0000382	0.000018345	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	06/19/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	0.0000382	2.08				0.0000382	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/10/06	0.0000095	0.0000566	0.00003045	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	06/19/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	0.0000566	1.86				0.0000566	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/10/06	0.00000165	0.0000169	0.000008335	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	06/19/07		UF	CS	DIOX/FUR	Heptachlorodibenzofurans (Total)	38998-75-3	0.0000169	2.03				0.0000169	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/10/06	0.00000589	0.00000636	0.00000596	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	06/19/07		UF	CS	DIOX/FUR	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	39001-02-0	0.00000589	0.99				0.00000589	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/10/06	0.00000156	0.00000156	0.00000156	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	06/19/07		UF	CS	DIOX/FUR	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	39227-28-6	0.00000156	1.00				0.00000156	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/10/06	0.000000952	0.00000314	0.000001955	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	06/19/07		UF	CS	DIOX/FUR	Hexachlorodibenzofurans (Total)	55684-94-1	0.00000258	1.32				0.00000258	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/10/06	0.000000745	7.45E-07	0.000000745	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	06/19/07		UF	CS	DIOX/FUR	Hexachlorodibenzofuran[1,2,3,6,7,8-]	57117-44-9	0.000000745	1.00				0.000000745	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/10/06	0.00000108	0.00000347	0.000002275	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	06/19/07		UF	CS	DIOX/FUR	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	57653-85-7	0.00000347	1.53				0.00000347	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/10/06	0.00000165	0.00000518	0.00000492	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	06/19/07		UF	CS	DIOX/FUR	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	67562-39-4	0.00000518	1.05				0.00000518	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/10/06	0.000000874	8.74E-07	0.000000874	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-0.6	1.05	06/19/07		UF	CS	DIOX/FUR	Hexachlorodibenzofuran[1,2,3,4,7,8-]	70648-26-9	0.000000874	1.00				0.000000874	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	07/10/06	0.0000112	0.0000112	0.0000112	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	06/14/07		UF	CS	DIOX/FUR	Pentachlorodibenzofurans (Totals)	30402-15-4	0.0000112	1.00				0.0000112	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	07/10/06	0.00151	0.00151	0.00151	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	06/14/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.00151	1.00				0.00151	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	07/10/06	0.0000609	0.0000609	0.0000609	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	06/14/07		UF	CS	DIOX/FUR	Hexachlorodibenzodioxins (Total)	34465-46-8	0.0000609	1.00				0.0000609	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	07/10/06	0.0000106	0.000247	0.0001288	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	06/14/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	0.000247	1.92				0.000247	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	07/10/06	0.0000197	0.0005	0.00025985	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	06/14/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	0.0005	1.92				0.0005	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC

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
C1	2	2	07/10/06	0.0000147	0.000352	0.00018335	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	06/14/07		UF	CS	DIOX/FUR	Heptachlorodibenzofurans (Total)	38998-75-3	0.000352	1.92				0.000352	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	07/10/06	0.0000102	0.000211	0.0001106	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	06/14/07		UF	CS	DIOX/FUR	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	39001-02-0	0.000211	1.91				0.000211	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	07/10/06	0.00000346	0.0000969	0.00005018	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	06/14/07		UF	CS	DIOX/FUR	Hexachlorodibenzofurans (Total)	55684-94-1	0.0000969	1.93				0.0000969	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	07/10/06	0.00000323	0.00000323	0.00000323	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	06/14/07		UF	CS	DIOX/FUR	Hexachlorodibenzofuran[1,2,3,6,7,8-]	57117-44-9	0.00000323	1.00				0.00000323	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	07/10/06	0.0000107	0.0000107	0.0000107	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	06/14/07		UF	CS	DIOX/FUR	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	57653-85-7	0.0000107	1.00				0.0000107	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	07/10/06	0.00000405	0.000103	0.000053525	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	06/14/07		UF	CS	DIOX/FUR	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	67562-39-4	0.000103	1.92				0.000103	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	07/10/06	0.00000303	0.00000303	0.00000303	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-2	2	06/14/07		UF	CS	DIOX/FUR	Hexachlorodibenzofuran[1,2,3,4,7,8-]	70648-26-9	0.00000303	1.00				0.00000303	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/12/06	0.0000689	0.000193	0.00013095	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCA-1	2.4	06/20/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.0000689	0.53				0.0000689	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/12/06	0.00000499	0.0000166	0.00000961	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCA-1	2.4	06/20/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	0.00000499	0.52				0.00000499	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/12/06	0.00000313	0.0000103	0.00000802	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCA-1	2.4	06/20/07		UF	CS	DIOX/FUR	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	39001-02-0	0.00000313	0.39				0.00000313	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	10/24/06	0.0000109	0.0000572	0.0000181	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	21	06/05/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.0000109	0.60				0.0000109	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	5	7	07/06/06	0.00000233	0.00000233	0.00000233	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	06/04/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.00000233	1.00				0.00000233	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	3	3	11/01/06	0.00000123	0.00000123	0.00000123	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCA-2	45	06/05/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	0.00000123	1.00				0.00000123	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	3	3	11/01/06	0.00000314	0.00000314	0.00000314	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCA-2	45	06/05/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	0.00000314	1.00				0.00000314	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/06/06	0.00011	0.000135	0.0001225	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	06/06/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.000135	1.10				0.000135	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/06/06	0.0000049	0.0000049	0.0000049	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	06/06/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	0.0000049	1.00				0.0000049	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	07/06/06	0.00000229	0.0000111	0.000005905	4	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	06/06/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	0.0000111	1.88				0.0000111	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	06/27/06	0.000006	0.000006	0.000006	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	06/06/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.000006	1.00				0.000006	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	06/27/06	0.00000151	0.00000151	0.00000151	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	06/06/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	0.00000151	1.00				0.00000151	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	06/27/06	0.00000151	0.00000215	0.00000183	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	06/06/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	0.00000151	0.83				0.00000151	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	06/27/06	0.00000345	0.00000362	0.000003535	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	06/06/07		UF	CS	DIOX/FUR	Heptachlorodibenzofurans (Total)	38998-75-3	0.00000362	1.02				0.00000362	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	06/27/06	0.0000053	0.0000053	0.0000053	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	06/06/07		UF	CS	DIOX/FUR	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	39001-02-0	0.0000053	1.00				0.0000053	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	06/27/06	0.00000109	0.00000207	0.00000158	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	06/06/07		UF	CS	DIOX/FUR	Hexachlorodibenzofurans (Total)	55684-94-1	0.00000109	0.69				0.00000109	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	4	4	06/27/06	0.00000362	0.00000362	0.00000362	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-4	499	06/06/07		UF	CS	DIOX/FUR	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	67562-39-4	0.00000362	1.00				0.00000362	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC

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
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	06/05/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.00000651	0.49				0.00000651	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	06/05/07	FD	UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.00000784	0.59				0.00000784	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	5	9	06/29/06	0.00000164	0.00000164	0.00000164	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	06/05/07	FD	UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	0.00000164	1.00				0.00000164	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	5	9	06/29/06	0.00000265	0.00000373	0.00000275	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate	MCOI-6	686	06/05/07	FD	UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	0.00000373	1.36				0.00000373	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	5	8	07/06/06	0.00000351	0.00000493	0.00000422	2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-1	1031.1	06/11/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.00000351	0.83				0.00000351	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	3	3	01/23/07	0.00000181	0.00000181	0.00000181	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	3	05/09/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	0.00000181	1.00				0.00000181	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	01/25/07	0.00000313	0.00000313	0.00000313	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	05/08/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.00000313	1.00				0.00000313	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	31	38	03/23/00	0.384	27	3.75	30	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	10/30/07		UF	CS	HEXP	RDX	121-82-4	0.464	0.12	EPA TAP SCRN LVL C-5	6.112	0.1	0.13	ug/L	2		J-	LIS1	SW-846:8321A_MOD	GELC
C1	31	38	03/23/00	0.21	340	5.9	33	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	10/30/07		UF	CS	HEXP	HMX	2691-41-0	7.67	1.30	EPA TAP SCRN LVL N	1825	0.0	0.104	ug/L	2		J-	LIS1	SW-846:8321A_MOD	GELC
C1	10	11	04/17/01	33.2	33.2	33.2	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	10/30/07		UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	33.2	1.00	EPA PRIM DW STD	6	5.5	2.27	ug/L	1				SW-846:8270C	GELC
C1	3	4	01/26/07	0.00000227	0.00000305	0.00000266	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	05/08/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.00000227	0.85				0.00000227	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	29	36	03/28/00	7.6	112	24	35	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	10/30/07		UF	CS	HEXP	RDX	121-82-4	20	0.83	EPA TAP SCRN LVL C-5	6.112	3.3	0.649	ug/L	10				SW-846:8321A_MOD	GELC
C1	24	32	01/08/01	1.4	7.1	2.965	30	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	10/30/07		UF	CS	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0	3.54	1.19				0.13	ug/L	2				SW-846:8321A_MOD	GELC
C1	29	36	03/28/00	8.72	70.1	30	33	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	10/30/07		UF	CS	HEXP	HMX	2691-41-0	27.6	0.92	EPA TAP SCRN LVL N	1825	0.0	0.519	ug/L	10				SW-846:8321A_MOD	GELC
C1	24	32	01/08/01	1.1	4.83	2.73	28	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	10/30/07		UF	CS	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2	3.37	1.23				0.117	ug/L	2				SW-846:8321A_MOD	GELC
C1	3	4	01/29/07	0.0000178	0.0000178	0.0000178	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	05/15/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.0000178	1.00				0.0000178	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	05/11/07	0.0000671	0.000074	0.00007055	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	05/11/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	0.0000671	0.95				0.0000671	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	05/11/07	0.0000096	0.000012	0.0000108	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	05/11/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9	0.0000096	0.89				0.0000096	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	05/11/07	0.0000208	0.0000315	0.00002615	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	05/11/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	0.0000208	0.80				0.0000208	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	05/11/07	0.0000067	0.0000067	0.0000067	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	05/11/07		UF	CS	DIOX/FUR	Heptachlorodibenzofurans (Total)	38998-75-3	0.0000067	1.00				0.0000067	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	05/11/07	0.00000703	0.00000703	0.00000703	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	05/11/07		UF	CS	DIOX/FUR	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	39001-02-0	0.00000703	1.00				0.00000703	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	2	2	05/11/07	0.00000279	0.00000279	0.00000279	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	05/11/07		UF	CS	DIOX/FUR	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	67562-39-4	0.00000279	1.00				0.00000279	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC
C1	3	3	02/01/07	0.00908	0.00908	0.00908	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	CdV-R-15-3	1640.1	10/23/07		UF	CS	PEST/PCB	Endosulfan Sulfate	1031-07-8	0.00908	1.00				0.00521	ug/L	1	J			SW-846:8081A	GELC
C1	3	3	02/01/07	0.0106	0.0106	0.0106	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	CdV-R-15-3	1640.1	10/23/07		UF	CS	PEST/PCB	DDD[4,4'-]	72-54-8	0.0106	1.00	EPA TAP SCRN LVL C-5	2.8013	0.0	0.00521	ug/L	1	J			SW-846:8081A	GELC
C1	5	8	04/10/02	0.55	2.8	1.47	4	Ancho Canyon	Regional	Test Well DT-9	1040	11/02/07		UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	2.26	1.54	EPA PRIM DW STD	6	0.4	2.11	ug/L	1	J			SW-846:8270C	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
C1	5	6	10/23/01	0.602	0.602	0.602	1	White Rock Canyon and Rio Grande	Regional Spring	Sacred Spring	0	09/19/07		UF	CS	VOA	Toluene	108-88-3	0.602	1.00	NM GW STD	750	0.0	0.25	ug/L	1	J			SW-846:8260B	GELC
C1	3	4	09/18/06	0.0937	0.0937	0.0937	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07		UF	CS	HEXP	Trinitrotoluene[2,4,6-]	118-96-7	0.0937	1.00	EPA TAP SCRN LVL C-5	22.411	0.0	0.0779	ug/L	2	J			SW-846:8321A_MOD	GELC
C2	21	26	05/24/01	0.02	0.413	0.2105	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	12/14/07		F	CS	GENINORG	Ammonia as Nitrogen	NH3-N	0.413	1.96	LANL Avl BG LVL	0.04	10.3	0.03	mg/L	1				EPA:350.1	GELC
C2	10	16	12/12/00	112	205	170.5	16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-6	34	12/17/07		F	CS	GENINORG	Total Dissolved Solids	TDS	169	0.99	LANL Avl BG LVL	139	1.2	2.38	mg/L	1				EPA:160.1	GELC
C2	12	17	06/27/00	0.047	1	0.15	9	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	CDBO-6	34	12/17/07		F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.047	0.31	LANL Avl BG LVL	0.04	1.2	0.029	mg/L	1	J	JN-	IWQ2	EPA:351.2	GELC
C2	9	12	06/07/05	0.122	0.122	0.122	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-34	895.15	08/14/07		F	CS	GENINORG	Bromide	Br(-1)	0.122	1.00	LANL Reg BG LVL	0.1	1.2	0.066	mg/L	1	J			EPA:300.0	GELC
C2	30	33	03/23/00	5720	13000	9650	33	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	10/30/07		F	CS	METALS	Barium	Ba	6060	0.63	LANL Avl BG LVL	68.57	88.4	1	ug/L	1				SW-846:6010B	GELC
C2	30	33	03/23/00	0.631	8.52	2.23	16	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	10/30/07		F	CS	METALS	Cobalt	Co	3.8	1.70	LANL Avl BG LVL	0.5	7.6	1	ug/L	1	J	JN-	IWQ2	SW-846:6010B	GELC
C2	30	33	03/23/00	2.98	1800	73.8	31	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	10/30/07		F	CS	METALS	Manganese	Mn	376	5.09	LANL Avl BG LVL	2	188.0	2	ug/L	1				SW-846:6010B	GELC
C2	30	33	03/23/00	0.955	6.4	2.22	19	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	10/30/07		F	CS	METALS	Nickel	Ni	3.9	1.76	LANL Avl BG LVL	1	3.9	0.5	ug/L	1				SW-846:6020	GELC
C2	30	33	03/23/00	0.054	0.64	0.113	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	10/30/07		F	CS	METALS	Lead	Pb	0.64	5.66	LANL Avl BG LVL	0.5	1.3	0.5	ug/L	1	J			SW-846:6020	GELC
C2	7	8	08/31/05	131	232	167	8	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	10/30/07		F	CS	METALS	Strontium	Sr	131	0.78	LANL Avl BG LVL	120	1.1	1	ug/L	1				SW-846:6010B	GELC
C2	30	33	03/23/00	3.14	23.9	5.65	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	10/30/07		F	CS	METALS	Zinc	Zn	4.9	0.87	LANL Avl BG LVL	2	2.5	2	ug/L	1	J			SW-846:6010B	GELC
C2	3	4	01/26/07	68.2	88.9	70.55	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	10/30/07		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3	88.9	1.26	LANL Avl BG LVL	76	1.2	0.725	mg/L	1				EPA:310.1	GELC
C2	3	4	01/26/07	0.0828	0.265	0.2505	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	10/30/07		F	CS	GENINORG	Perchlorate	ClO4	0.0828	0.33	LANL Avl BG LVL	0.05	1.7	0.05	ug/L	1	J			SW-846:6850	GELC
C2	7	8	08/29/05	142	183	170.5	8	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	10/30/07		F	CS	GENINORG	Total Dissolved Solids	TDS	175	1.03	LANL Avl BG LVL	139	1.3	2.38	mg/L	1				EPA:160.1	GELC
C2	3	4	01/26/07	0.087	0.137	0.111	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	10/30/07		F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.087	0.78	LANL Avl BG LVL	0.04	2.2	0.029	mg/L	1	J	JN-	IWQ2	EPA:351.2	GELC
C2	29	35	03/28/00	4890	8440	6410	35	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	10/30/07		F	CS	METALS	Barium	Ba	6910	1.08	LANL Avl BG LVL	68.57	100.8	1	ug/L	1				SW-846:6010B	GELC
C2	29	35	03/28/00	0.05	0.82	0.0825	8	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	10/30/07		F	CS	METALS	Lead	Pb	0.82	9.94	LANL Avl BG LVL	0.5	1.6	0.5	ug/L	1	J			SW-846:6020	GELC
C2	7	8	08/29/05	141	205	171.5	8	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	10/30/07		F	CS	METALS	Strontium	Sr	202	1.18	LANL Avl BG LVL	120	1.7	1	ug/L	1				SW-846:6010B	GELC
C2	29	35	03/28/00	0.909	10	1.875	14	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	10/30/07		F	CS	METALS	Vanadium	V	1.8	0.96	LANL Avl BG LVL	1	1.8	1	ug/L	1	J	JN-	IWQ2	SW-846:6010B	GELC
C2	1	1	10/24/07	0.107	0.107	0.107	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25279	2.7	10/24/07		F	CS	GENINORG	Bromide	Br(-1)	0.107	1.00	LANL Avl BG LVL	0.07	1.5	0.066	mg/L	1	J			EPA:300.0	GELC
C2	1	1	10/24/07	0.517	0.517	0.517	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25279	2.7	10/24/07		F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.517	1.00	LANL Avl BG LVL	0.04	12.9	0.029	mg/L	1				EPA:351.2	GELC
C2	1	1	10/24/07	18	18	18	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25279	2.7	10/24/07		F	CS	METALS	Cobalt	Co	18	1.00	LANL Avl BG LVL	0.5	36.0	1	ug/L	1				SW-846:6010B	GELC
C2	1	1	10/24/07	2.6	2.6	2.6	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25279	2.7	10/24/07		F	CS	METALS	Chromium	Cr	2.6	1.00	LANL Avl BG LVL	1	2.6	1	ug/L	1	J			SW-846:6020	GELC

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	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
C2	1	1	10/24/07	1.9	1.9	1.9	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25279	2.7	10/24/07		F	CS	METALS	Lead	Pb	1.9	1.00	LANL Avl BG LVL	0.5	3.8	0.5	ug/L	1	J			SW-846:6020	GELC
C2	1	1	10/24/07	14.6	14.6	14.6	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25279	2.7	10/24/07		F	CS	METALS	Zinc	Zn	14.6	1.00	LANL Avl BG LVL	2	7.3	2	ug/L	1				SW-846:6010B	GELC
C2	4	4	02/08/02	0.22	4.2	1.25	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1406.3	10/23/07		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	1.14	0.91	LANL Reg BG LVL	0.16	7.1	0.024	mg/L	1				EPA:365.4	GELC
C2	7	7	05/09/01	0.442	1.3	0.723	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1406.3	10/23/07		UF	CS	GENINORG	Total Organic Carbon	TOC	0.459	0.63	LANL Reg BG LVL	0.33	1.4	0.33	mg/L	1	J			SW-846:9060	GELC
C2	3	3	02/08/07	5.9	5.9	5.9	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1406.3	10/23/07		F	CS	METALS	Tin	Sn	5.9	1.00	LANL Reg BG LVL	3.26	1.8	2.5	ug/L	1	J			SW-846:6010B	GELC
C2	7	7	12/08/00	3.42	7.1	4	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1406.3	10/23/07		F	CS	METALS	Zinc	Zn	7.1	1.78	LANL Reg BG LVL	3.89	1.8	2	ug/L	1	J			SW-846:6010B	GELC
C2	4	4	02/13/02	0.214	0.53	0.312	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1796	10/29/07		F	CS	GENINORG	Total Phosphate as Phosphorus	PO4-P	0.214	0.69	LANL Reg BG LVL	0.16	1.3	0.024	mg/L	1				EPA:365.4	GELC
C2	7	8	08/20/01	0.211	15	0.531	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1796	10/29/07		UF	CS	GENINORG	Total Organic Carbon	TOC	0.661	1.24	LANL Reg BG LVL	0.33	2.0	0.33	mg/L	1	J			SW-846:9060	GELC
C2	3	5	12/05/06	0.507	0.76	0.613	5	Ancho Canyon	Regional	Test Well DT-9	1040	11/02/07	FD	UF	CS	GENINORG	Total Organic Carbon	TOC	0.507	0.83	LANL Reg BG LVL	0.33	1.5	0.33	mg/L	1	J			SW-846:9060	GELC
C2	3	5	12/05/06	0.507	0.76	0.613	5	Ancho Canyon	Regional	Test Well DT-9	1040	11/02/07		UF	CS	GENINORG	Total Organic Carbon	TOC	0.76	1.24	LANL Reg BG LVL	0.33	2.3	0.33	mg/L	1	J			SW-846:9060	GELC
C2	4	6	07/20/05	88.2	113	106	6	Ancho Canyon	Regional	Test Well DT-9	1040	11/02/07	FD	F	CS	METALS	Zinc	Zn	109	1.03	LANL Reg BG LVL	3.89	28.0	2	ug/L	1				SW-846:6010B	GELC
C2	4	6	07/20/05	88.2	113	106	6	Ancho Canyon	Regional	Test Well DT-9	1040	11/02/07		F	CS	METALS	Zinc	Zn	111	1.05	LANL Reg BG LVL	3.89	28.5	2	ug/L	1				SW-846:6010B	GELC
C2	4	5	07/19/05	2.7	3	2.85	2	Ancho Canyon	Regional	Test Well DT-10	1080	10/30/07		F	CS	METALS	Manganese	Mn	3	1.05	LANL Reg BG LVL	2.94	1.0	2	ug/L	1	J			SW-846:6010B	GELC
C2	4	5	07/19/05	65.1	112	94.4	5	Ancho Canyon	Regional	Test Well DT-10	1080	10/30/07		F	CS	METALS	Zinc	Zn	65.1	0.69	LANL Reg BG LVL	3.89	16.7	2	ug/L	1				SW-846:6010B	GELC
C2	8	14	10/19/00	30	41.7	31.15	14	White Rock Canyon and Rio Grande	Regional Spring	Sacred Spring	0	09/19/07		F	CS	GENINORG	Calcium	Ca	38.1	1.22	LANL Reg BG LVL	24.88	1.5	0.03	mg/L	1				SW-846:6010B	GELC
C2	8	14	10/19/00	2.3	3.11	2.64	14	White Rock Canyon and Rio Grande	Regional Spring	Sacred Spring	0	09/19/07		F	CS	GENINORG	Potassium	K	2.64	1.00	LANL Reg BG LVL	2.63	1.0	0.05	mg/L	1				SW-846:6010B	GELC
C2	8	17	10/19/00	166	230	190	17	White Rock Canyon and Rio Grande	Regional Spring	Sacred Spring	0	09/19/07		F	CS	GENINORG	Total Dissolved Solids	TDS	192	1.01	LANL Reg BG LVL	191.68	1.0	2.38	mg/L	1				EPA:160.1	GELC
C2	3	3	07/13/05	0.011	0.101	0.056	2	White Rock Canyon and Rio Grande	Regional Spring	Sacred Spring	0	09/19/07		F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN	0.101	1.80	LANL Reg BG LVL	0.1	1.0	0.029	mg/L	1		JN-	IWQ2	EPA:351.2	GELC
C2	2	2	09/14/06	1.26	1.26	1.26	1	White Rock Canyon and Rio Grande	Regional Spring	Sacred Spring	0	09/19/07		UF	CS	GENINORG	Total Organic Carbon	TOC	1.26	1.00	LANL Reg BG LVL	0.33	3.8	0.33	mg/L	1				SW-846:9060	GELC
C2	5	7	10/23/01	80.1	115	86.8	7	White Rock Canyon and Rio Grande	Regional Spring	Sacred Spring	0	09/19/07		F	CS	METALS	Barium	Ba	86.8	1.00	LANL Reg BG LVL	56.83	1.5	1	ug/L	1				SW-846:6010B	GELC
C2	5	7	10/23/01	36.3	102	54.55	4	White Rock Canyon and Rio Grande	Regional Spring	Sacred Spring	0	09/19/07		F	CS	METALS	Iron	Fe	102	1.87	LANL Reg BG LVL	21	4.9	25	ug/L	1				SW-846:6010B	GELC
C2	5	7	10/23/01	32.8	191	94.3	4	White Rock Canyon and Rio Grande	Regional Spring	Sacred Spring	0	09/19/07		F	CS	METALS	Manganese	Mn	191	2.03	LANL Reg BG LVL	2.94	65.0	2	ug/L	1				SW-846:6010B	GELC
C2	4	4	08/24/04	1.6	2.3	1.85	4	White Rock Canyon and Rio Grande	Regional Spring	Sacred Spring	0	09/19/07		F	CS	METALS	Uranium	U	2	1.08	LANL Reg BG LVL	1.9	1.1	0.05	ug/L	1				SW-846:6020	GELC
C2	8	11	09/25/00	28.5	32.9	31.3	11	White Rock Canyon and Rio Grande	Regional Spring	Spring 1	0	09/24/07		F	CS	GENINORG	Sodium	Na	29.4	0.94	LANL Reg BG LVL	24.5	1.2	0.045	mg/L	1				SW-846:6010B	GELC
C2	2	2	09/18/06	0.586	1.05	0.818	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 1	0	09/24/07		UF	CS	GENINORG	Total Organic Carbon	TOC	1.05	1.28	LANL Reg BG LVL	0.33	3.2	0.33	mg/L	1				SW-846:9060	GELC
C2	6	7	09/25/00	34.9	51.6	39.6	7	White Rock Canyon and Rio Grande	Regional Spring	Spring 1	0	09/24/07		F	CS	METALS	Boron	B	40.8	1.03	LANL Reg BG LVL	38.77	1.1	10	ug/L	1	J			SW-846:6010B	GELC
C2	6	7	09/25/00	25.3	40.8	30.7	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 1	0	09/24/07		F	CS	METALS	Iron	Fe	34.8	1.13	LANL Reg BG LVL	21	1.7	25	ug/L	1	J			SW-846:6010B	GELC
C2	6	7	09/25/00	1.62	3.2	1.9	3	White Rock Canyon and Rio Grande	Regional Spring	Spring 1	0	09/24/07		F	CS	METALS	Manganese	Mn	3.2	1.68	LANL Reg BG LVL	2.94	1.1	2	ug/L	1	J			SW-846:6010B	GELC
C2	4	5	09/13/04	2.19	2.6	2.3	5	White Rock Canyon and Rio Grande	Regional Spring	Spring 1	0	09/24/07		F	CS	METALS	Uranium	U	2.6	1.13	LANL Reg BG LVL	1.9	1.4	0.05	ug/L	1				SW-846:6020	GELC
C2	6	7	09/25/00	15	17.5	16.2	7	White Rock Canyon and Rio Grande	Regional Spring	Spring 1	0	09/24/07		F	CS	METALS	Vanadium	V	17.5	1.08	LANL Reg BG LVL	13.41	1.3	1	ug/L	1				SW-846:6010B	GELC
C2	6	7	09/25/00	1.82	5.9	3.86	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 1	0	09/24/07		F	CS	METALS	Zinc	Zn	5.9	1.53	LANL Reg BG LVL	3.89	1.5	2	ug/L	1	J			SW-846:6010B	GELC
C2	9	11	09/25/00	0.547	1.19	0.626	11	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07		F	CS	GENINORG	Fluoride	F(-1)	0.604	0.96	LANL Reg BG LVL	0.57	1.1	0.033	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
C2	9	11	09/25/00	0.547	1.19	0.626	11	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07	FD	F	CS	GENINORG	Fluoride	F(-1)	0.607	0.97	LANL Reg BG LVL	0.57	1.1	0.033	mg/L	1				EPA:300.0	GELC
C2	9	11	09/25/00	36.4	64	45.6	11	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07	FD	F	CS	GENINORG	Sodium	Na	45.6	1.00	LANL Reg BG LVL	24.5	1.9	0.045	mg/L	1				SW-846:6010B	GELC
C2	9	11	09/25/00	36.4	64	45.6	11	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07		F	CS	GENINORG	Sodium	Na	45	0.99	LANL Reg BG LVL	24.5	1.8	0.045	mg/L	1				SW-846:6010B	GELC
C2	9	12	09/25/00	147	234	197.5	12	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07	FD	F	CS	GENINORG	Total Dissolved Solids	TDS	204	1.03	LANL Reg BG LVL	191.68	1.1	2.38	mg/L	1				EPA:160.1	GELC
C2	9	12	09/25/00	147	234	197.5	12	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07		F	CS	GENINORG	Total Dissolved Solids	TDS	196	0.99	LANL Reg BG LVL	191.68	1.0	2.38	mg/L	1				EPA:160.1	GELC
C2	3	4	09/18/06	1.41	2.29	2.135	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07		UF	CS	GENINORG	Total Organic Carbon	TOC	2.29	1.07	LANL Reg BG LVL	0.33	6.9	0.33	mg/L	1				SW-846:9060	GELC
C2	3	4	09/18/06	1.41	2.29	2.135	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07	FD	UF	CS	GENINORG	Total Organic Carbon	TOC	2.27	1.06	LANL Reg BG LVL	0.33	6.9	0.33	mg/L	1				SW-846:9060	GELC
C2	6	7	09/24/01	9.7	27.8	23	5	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07		F	CS	METALS	Arsenic	As	10.3	0.45	LANL Reg BG LVL	10	1.0	1.5	ug/L	1				SW-846:6020	GELC
C2	6	7	09/24/01	42.1	72.5	47.1	7	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07		F	CS	METALS	Boron	B	46.4	0.99	LANL Reg BG LVL	38.77	1.2	10	ug/L	1	J			SW-846:6010B	GELC
C2	6	7	09/24/01	42.1	72.5	47.1	7	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07	FD	F	CS	METALS	Boron	B	47.1	1.00	LANL Reg BG LVL	38.77	1.2	10	ug/L	1	J			SW-846:6010B	GELC
C2	6	7	09/24/01	27.5	37.1	36.05	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07	FD	F	CS	METALS	Iron	Fe	36.1	1.00	LANL Reg BG LVL	21	1.7	25	ug/L	1	J			SW-846:6010B	GELC
C2	6	7	09/24/01	27.5	37.1	36.05	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07		F	CS	METALS	Iron	Fe	37.1	1.03	LANL Reg BG LVL	21	1.8	25	ug/L	1	J			SW-846:6010B	GELC
C2	4	6	09/26/05	1	1	1	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07	FD	F	CS	METALS	Mercury	Hg	1	1.00	LANL Reg BG LVL	0.07	14.3	0.03	ug/L	1		R	IWQ6	EPA:245.2	GELC
C2	5	6	09/13/04	0.64	2.5	2.2	6	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07		F	CS	METALS	Uranium	U	2.5	1.14	LANL Reg BG LVL	1.9	1.3	0.05	ug/L	1				SW-846:6020	GELC
C2	5	6	09/13/04	0.64	2.5	2.2	6	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07	FD	F	CS	METALS	Uranium	U	2.5	1.14	LANL Reg BG LVL	1.9	1.3	0.05	ug/L	1				SW-846:6020	GELC
C2	7	8	05/25/04	0.304	0.433	0.3415	8	White Rock Canyon and Rio Grande	Water Supply	Buckman 1	258	09/18/07		UF	CS	GENINORG	Perchlorate	ClO4	0.308	0.90	LANL Reg BG LVL	0.05	6.2	0.05	ug/L	1				SW-846:6850	GELC
C2	7	8	05/25/04	0.304	0.433	0.3415	8	White Rock Canyon and Rio Grande	Water Supply	Buckman 1	258	09/18/07	FD	UF	CS	GENINORG	Perchlorate	ClO4	0.306	0.90	LANL Reg BG LVL	0.05	6.1	0.05	ug/L	1				SW-846:6850	GELC
C2	6	9	10/10/02	316	434	394	9	White Rock Canyon and Rio Grande	Water Supply	Buckman 1	258	09/18/07	FD	UF	CS	GENINORG	Specific Conductance	SPEC_CONDC	403	1.02	LANL Reg BG LVL	287.21	1.4	1	uS/cm	1				EPA:120.1	GELC
C2	6	9	10/10/02	316	434	394	9	White Rock Canyon and Rio Grande	Water Supply	Buckman 1	258	09/18/07		UF	CS	GENINORG	Specific Conductance	SPEC_CONDC	403	1.02	LANL Reg BG LVL	287.21	1.4	1	uS/cm	1				EPA:120.1	GELC
C2	1	2	09/18/07	0.565	0.596	0.5805	2	White Rock Canyon and Rio Grande	Water Supply	Buckman 1	258	09/18/07		UF	CS	GENINORG	Total Organic Carbon	TOC	0.565	0.97	LANL Reg BG LVL	0.33	1.7	0.33	mg/L	1	J			SW-846:9060	GELC
C2	1	2	09/18/07	0.565	0.596	0.5805	2	White Rock Canyon and Rio Grande	Water Supply	Buckman 1	258	09/18/07	FD	UF	CS	GENINORG	Total Organic Carbon	TOC	0.596	1.03	LANL Reg BG LVL	0.33	1.8	0.33	mg/L	1	J			SW-846:9060	GELC
C2	7	7	10/26/04	0.251	0.356	0.31	7	White Rock Canyon and Rio Grande	Water Supply	Buckman 2	234	09/18/07		UF	CS	GENINORG	Perchlorate	ClO4	0.265	0.85	LANL Reg BG LVL	0.05	5.3	0.05	ug/L	1				SW-846:6850	GELC
C2	6	8	10/10/02	460	1020	884.5	8	White Rock Canyon and Rio Grande	Water Supply	Buckman 2	234	09/18/07		UF	CS	GENINORG	Specific Conductance	SPEC_CONDC	967	1.09	LANL Reg BG LVL	287.21	3.4	1	uS/cm	1				EPA:120.1	GELC
C2	1	1	09/18/07	0.994	0.994	0.994	1	White Rock Canyon and Rio Grande	Water Supply	Buckman 2	234	09/18/07		UF	CS	GENINORG	Total Organic Carbon	TOC	0.994	1.00	LANL Reg BG LVL	0.33	3.0	0.33	mg/L	1	J			SW-846:9060	GELC
C2	8	8	05/25/04	0.244	0.301	0.275	8	White Rock Canyon and Rio Grande	Water Supply	Buckman 8	380	09/21/07		UF	CS	GENINORG	Perchlorate	ClO4	0.275	1.00	LANL Reg BG LVL	0.05	5.5	0.05	ug/L	1				SW-846:6850	GELC
C2	6	8	10/10/02	383	529	417.5	8	White Rock Canyon and Rio Grande	Water Supply	Buckman 8	380	09/21/07		UF	CS	GENINORG	Specific Conductance	SPEC_CONDC	440	1.05	LANL Reg BG LVL	287.21	1.5	1	uS/cm	1				EPA:120.1	GELC
C2	1	1	09/21/07	1.01	1.01	1.01	1	White Rock Canyon and Rio Grande	Water Supply	Buckman 8	380	09/21/07		UF	CS	GENINORG	Total Organic Carbon	TOC	1.01	1.00	LANL Reg BG LVL	0.33	3.1	0.33	mg/L	1				SW-846:9060	GELC
C3	10	15	06/14/05	1.26	3.95	2.59	15	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-3	2	12/10/07		F	CS	GENINORG	Perchlorate	ClO4	3.95	1.53	NMED GW CONS	4	2.0	0.25	ug/L	5				SW-846:6850	GELC
C3	23	31	05/24/01	0.712	1.07	0.9205	30	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	12/14/07		F	CS	GENINORG	Fluoride	F(-1)	0.876	0.95	NM GW STD	1.6	1.1	0.033	mg/L	1				EPA:300.0	GELC
C3	21	26	05/24/01	0.02	0.413	0.2105	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	12/14/07		F	CS	GENINORG	Ammonia as Nitrogen	NH3-N	0.413	1.96	EPA TAP SCRN LVL	0.20857	4.0	0.03	mg/L	1				EPA:350.1	GELC
C3	24	31	05/24/01	1.04	73.1	1.91	30	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	12/14/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.57	2.92	EPA PRIM DW STD	10	1.1	0.1	mg/L	10				EPA:353.2	GELC
C3	36	44	02/24/00	0.852	1.51	1.1	44	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	12/14/07		F	CS	GENINORG	Fluoride	F(-1)	0.976	0.89	NM GW STD	1.6	1.2	0.033	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
C3	37	46	02/24/00	1.07	2.13	1.36	45	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	12/14/07	FD	F	CS	GENINORG	Fluoride	F(-1)	1.23	0.90	NM GW STD	1.6	1.5	0.033	mg/L	1				EPA:300.0	GELC
C3	37	46	02/24/00	1.07	2.13	1.36	45	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	12/14/07		F	CS	GENINORG	Fluoride	F(-1)	1.23	0.90	NM GW STD	1.6	1.5	0.033	mg/L	1				EPA:300.0	GELC
C3	37	47	02/24/00	1.31	12.5	4.005	46	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	12/14/07	FD	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	9.77	2.44	EPA PRIM DW STD	10	2.0	0.1	mg/L	10				EPA:353.2	GELC
C3	37	47	02/24/00	1.31	12.5	4.005	46	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	12/14/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	10	2.50	EPA PRIM DW STD	10	2.0	0.1	mg/L	10				EPA:353.2	GELC
C3	30	33	03/23/00	5720	13000	9650	33	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	10/30/07		F	CS	METALS	Barium	Ba	6060	0.63	NM GW STD	1000	12.1	1	ug/L	1				SW-846:6010B	GELC
C3	30	33	03/23/00	2.98	1800	73.8	31	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	10/30/07		F	CS	METALS	Manganese	Mn	376	5.09	NM GW STD	200	3.8	2	ug/L	1				SW-846:6010B	GELC
C3	10	11	04/17/01	33.2	33.2	33.2	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	10/30/07		UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	33.2	1.00	EPA PRIM DW STD	6	11.1	2.27	ug/L	1				SW-846:8270C	GELC
C3	29	36	03/28/00	7.6	112	24	35	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	10/30/07		UF	CS	HEXP	RDX	121-82-4	20	0.83	EPA TAP SCRN LVL C-5	6.112	6.5	0.649	ug/L	10				SW-846:8321A_MOD	GELC
C3	29	35	03/28/00	4890	8440	6410	35	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	10/30/07		F	CS	METALS	Barium	Ba	6910	1.08	NM GW STD	1000	13.8	1	ug/L	1				SW-846:6010B	GELC
C3	1	1	10/24/07	4060	4060	4060	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	FLC-16-25279	2.7	10/24/07		F	CS	METALS	Aluminum	Al	4060	1.00	NM GW STD	5000	1.6	68	ug/L	1				SW-846:6010B	GELC
C3	8	12	06/07/01	0.23	8.5	0.885	10	Ancho Canyon	Regional	Test Well DT-9	1040	11/02/07	FD	UF	CS	METALS	Lead	Pb	8.5	9.60	EPA PRIM DW STD	15	1.1	0.5	ug/L	1				SW-846:6020	GELC
C3	5	7	10/23/01	32.8	191	94.3	4	White Rock Canyon and Rio Grande	Regional Spring	Sacred Spring	0	09/19/07		F	CS	METALS	Manganese	Mn	191	2.03	NM GW STD	200	1.9	2	ug/L	1				SW-846:6010B	GELC
C3	6	7	09/24/01	9.7	27.8	23	5	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07		F	CS	METALS	Arsenic	As	10.3	0.45	EPA PRIM DW STD	10	2.1	1.5	ug/L	1				SW-846:6020	GELC
C3	4	5	09/26/05	10	26.6	11	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07	FD	UF	CS	METALS	Arsenic	As	10.4	0.95	EPA PRIM DW STD	10	2.1	1.5	ug/L	1				SW-846:6020	GELC
C3	4	6	09/26/05	1	1	1	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07	FD	F	CS	METALS	Mercury	Hg	1	1.00	EPA PRIM DW STD	2	1.0	0.03	ug/L	1		R	IWQ6	EPA:245.2	GELC
C3	5	11	10/31/01	6.41	19.3	17.1	11	White Rock Canyon and Rio Grande	Water Supply	Buckman 1	258	09/18/07		UF	CS	METALS	Uranium	U	16.4	0.96	EPA PRIM DW STD	30	1.1	0.05	ug/L	1				SW-846:6020	GELC
C3	5	11	10/31/01	6.41	19.3	17.1	11	White Rock Canyon and Rio Grande	Water Supply	Buckman 1	258	09/18/07	FD	UF	CS	METALS	Uranium	U	16.2	0.95	EPA PRIM DW STD	30	1.1	0.05	ug/L	1				SW-846:6020	GELC
C3	5	7	10/31/01	18.4	200	24.4	7	White Rock Canyon and Rio Grande	Water Supply	Buckman 2	234	09/18/07		UF	CS	METALS	Uranium	U	112	4.59	EPA PRIM DW STD	30	7.5	0.05	ug/L	1				SW-846:6020	GELC
C3	5	6	10/10/02	6.6	7.14	6.63	3	White Rock Canyon and Rio Grande	Water Supply	Buckman 8	380	09/21/07		UF	CS	METALS	Arsenic	As	6.6	1.00	EPA PRIM DW STD	10	1.3	1.5	ug/L	1				SW-846:6020	GELC
C3	5	11	10/31/01	14.2	22.8	15.3	11	White Rock Canyon and Rio Grande	Water Supply	Buckman 8	380	09/21/07		UF	CS	METALS	Uranium	U	18.5	1.21	EPA PRIM DW STD	30	1.2	0.05	ug/L	1				SW-846:6020	GELC
CA	21	26	05/24/01	0.02	0.413	0.2105	6	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	8.9	12/14/07		F	CS	GENINORG	Ammonia as Nitrogen	NH3-N	0.413	1.96	EPA TAP SCRN LVL	0.20857	2.0	0.03	mg/L	1				EPA:350.1	GELC
CA	37	47	02/24/00	1.31	12.5	4.005	46	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	12/14/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	10	2.50	EPA PRIM DW STD	10	1.0	0.1	mg/L	10				EPA:353.2	GELC
CA	30	33	03/23/00	5720	13000	9650	33	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	10/30/07		F	CS	METALS	Barium	Ba	6060	0.63	NM GW STD	1000	6.1	1	ug/L	1				SW-846:6010B	GELC
CA	30	33	03/23/00	2.98	1800	73.8	31	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	10/30/07		F	CS	METALS	Manganese	Mn	376	5.09	NM GW STD	200	1.9	2	ug/L	1				SW-846:6010B	GELC
CA	10	11	04/17/01	33.2	33.2	33.2	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	1.9	10/30/07		UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	33.2	1.00	EPA PRIM DW STD	6	5.5	2.27	ug/L	1				SW-846:8270C	GELC
CA	29	36	03/28/00	7.6	112	24	35	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	10/30/07		UF	CS	HEXP	RDX	121-82-4	20	0.83	EPA TAP SCRN LVL C-5	6.112	3.3	0.649	ug/L	10				SW-846:8321A_MOD	GELC
CA	29	35	03/28/00	4890	8440	6410	35	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	1.7	10/30/07		F	CS	METALS	Barium	Ba	6910	1.08	NM GW STD	1000	6.9	1	ug/L	1				SW-846:6010B	GELC
CA	4	5	09/26/05	10	26.6	11	4	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07	FD	UF	CS	METALS	Arsenic	As	10.4	0.95	EPA PRIM DW STD	10	1.0	1.5	ug/L	1				SW-846:6020	GELC

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Hdr 1	Zone	Location	Port Depth	Start Date	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
CA	6	7	09/24/01	9.7	27.8	23	5	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	0	09/24/07		F	CS	METALS	Arsenic	As	10.3	0.45	EPA PRIM DW STD	10	1.0	1.5	ug/L	1				SW-846:6020	GELC
CA	5	7	10/31/01	18.4	200	24.4	7	White Rock Canyon and Rio Grande	Water Supply	Buckman 2	234	09/18/07		UF	CS	METALS	Uranium	U	112	4.59	EPA PRIM DW STD	30	3.7	0.05	ug/L	1				SW-846:6020	GELC

Table 2: NMED 01-08 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	3	3	02/01/07	0.00908	0.00908	0.00908	1	Regional	CdV-R-15-3	1640.1	10/23/07		UF	CS	PEST/PCB	Endosulfan Sulfate	1031-07-8	0.00908	1.00				0.00521	ug/L	1	J			Six pesticides detected for first time in this sample. Analyzed five prior times since 2001.
C1	3	3	02/01/07	0.0106	0.0106	0.0106	1	Regional	CdV-R-15-3	1640.1	10/23/07		UF	CS	PEST/PCB	DDD[4,4'-]	72-54-8	0.0106	1.00	EPA TAP SCRN LVL C-5	2.8013	0.0	0.00521	ug/L	1	J			same
C1	3	4	09/18/06	0.0937	0.0937	0.0937	1	Regional Spring	Spring 2	0	09/24/07		UF	CS	HEXP	Trinitrotoluene[2,4,6-]	118-96-7	0.0937	1.00	EPA TAP SCRN LVL C-5	22.411	0.0	0.0779	ug/L	2	J			Not detected in field duplicate, four prior nondetects since 1998
C2	1	1	10/24/07	18	18	18	1	Alluvial	FLC-16-25279	2.7	10/24/07		F	CS	METALS	Cobalt	Co	18	1.00	LANL Avl BG LVL	0.5	36.0	1	ug/L	1				First sample of well, result at upper end for nearby wells
C2	1	1	10/24/07	2.6	2.6	2.6	1	Alluvial	FLC-16-25279	2.7	10/24/07		F	CS	METALS	Chromium	Cr	2.6	1.00	LANL Avl BG LVL	1	2.6	1	ug/L	1	J			
C2	1	1	10/24/07	1.9	1.9	1.9	1	Alluvial	FLC-16-25279	2.7	10/24/07		F	CS	METALS	Lead	Pb	1.9	1.00	LANL Avl BG LVL	0.5	3.8	0.5	ug/L	1	J			
C2	1	1	10/24/07	14.6	14.6	14.6	1	Alluvial	FLC-16-25279	2.7	10/24/07		F	CS	METALS	Zinc	Zn	14.6	1.00	LANL Avl BG LVL	2	7.3	2	ug/L	1				
C2	4	6	09/26/05	1	1	1	1	Regional Spring	Spring 2	0	09/24/07	FD	F	CS	METALS	Mercury	Hg	1	1.00	LANL Reg BG LVL	0.07	14.3	0.03	ug/L	1		R	IWQ6	Result rejected due to analytical QA failure
C3	24	31	05/24/01	1.04	73.1	1.91	30	Alluvial	MCO-4B	8.9	12/14/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	5.57	2.92	EPA PRIM DW STD	10	1.1	0.1	mg/L	10				Results for 2 of 4 wells sampled at this time much above post 2000 values; results at different dilutions contradictory but meet analytical QA requirements.
C3	37	47	02/24/00	1.31	12.5	4.005	46	Alluvial	MCO-7	39	12/14/07	FD	F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	9.77	2.44	EPA PRIM DW STD	10	2.0	0.1	mg/L	10				same
C3	37	47	02/24/00	1.31	12.5	4.005	46	Alluvial	MCO-7	39	12/14/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	10	2.50	EPA PRIM DW STD	10	2.0	0.1	mg/L	10				same
C3	8	12	06/07/01	0.23	8.5	0.885	10	Regional	Test Well DT-9	1040	11/02/07	FD	UF	CS	METALS	Lead	Pb	8.5	9.60	EPA PRIM DW STD	15	1.1	0.5	ug/L	1				Field duplicate result was 2.4 ug/L; higher results in early 90s due to flaking from well components.
C3	4	6	09/26/05	1	1	1	1	Regional Spring	Spring 2	0	09/24/07	FD	F	CS	METALS	Mercury	Hg	1	1.00	EPA PRIM DW STD	2	1.0	0.03	ug/L	1		R	IWQ6	Result rejected due to analytical QA failure
C3	5	7	10/31/01	18.4	200	24.4	7	Water Supply	Buckman 2	234	09/18/07		UF	CS	METALS	Uranium	U	112	4.59	EPA PRIM DW STD	30	7.5	0.05	ug/L	1				Natural uranium, results similar to range of earlier samples.
CA	37	47	02/24/00	1.31	12.5	4.005	46	Alluvial	MCO-7	39	12/14/07		F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	NO3+NO2-N	10	2.50	EPA PRIM DW STD	10	1.0	0.1	mg/L	10				Results for 2 of 4 wells sampled at this time much above post 2000 values; results at different dilutions contradictory but meet analytical QA requirements.
CA	5	7	10/31/01	18.4	200	24.4	7	Water Supply	Buckman 2	234	09/18/07		UF	CS	METALS	Uranium	U	112	4.59	EPA PRIM DW STD	30	3.7	0.05	ug/L	1				Natural uranium, results similar to range of earlier samples.