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Date: March 21, 2008
Refer To: EP2008-0132

James P. Bearzi, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

RECEIVED
MAR 2008
NMED Hazardous Waste Bureau

Subject: Review of February 2008 Groundwater Data

Dear Mr. Bearzi:

The Los Alamos National Laboratory (LANL) Water Stewardship Project (LWSP) met on March 13, 2008, to review new groundwater data received in February 2008. At that time, several groundwater samples were identified with contaminant concentrations above the New Mexico or federal water quality standards. Because of issues with the database, these data are incomplete; the remaining new data will be reviewed and sent to the New Mexico Environment Department (NMED) in a subsequent report.

The LWSP deputy program director notified the Hazardous Waste Bureau by telephone on March 13, 2008, and followed up with an email on the same day. The three instances of a contaminant above a standard for the first time (based on samples collected since June 14, 2007) are tabulated in the attached report. Samples collected before June 14, 2007, at these locations contained the same contaminant at concentrations above a standard.

This letter is our written submission that indicates in the accompanying report and tables the chemical constituents that meet the seven screening criteria laid out in the Settlement Agreement and Stipulated Final Order signed by NMED, the U.S. Department of Energy, and Los Alamos National Security, LLC, on June 14, 2007. The report identifies data collected since June 14, 2007, that meet these criteria.

If you have questions, please contact Ardyth Simmons at (505) 665-3935 (asimmons@lanl.gov) or Mat Johansen at (505) 665-5046 (mjohansen@doeal.gov).

Sincerely,

for Susan G. Stiger, Associate Director
Environmental Programs
Los Alamos National Laboratory

Sincerely,

David R. Gregory, Project Director
Environmental Operations
Los Alamos Site Office

SG/DR/PR/AS/DB:sm

Enclosure: Report and accompanying tables - Summary of New Los Alamos National Laboratory Groundwater Data Loaded in February 2008 (EP2008-0132)

Cy: (w/enc.)
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David Rogers, EP-LWSP, MS M992
RPF, MS M707 (with two CDs)
Public Reading Room, MS M992

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SUMMARY OF NEW LOS ALAMOS NATIONAL LABORATORY GROUNDWATER DATA LOADED IN FEBRUARY 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 is available; the remainder will be included in a subsequent report.

The report includes two tables:

Table 1: NMED 2-08 Groundwater Report. This table contains numerous values, often because new data are reported when they are detected for the first time since June 14, 2007 (as specified in the Stipulated Order) or are greater than some previous reference data which have a reference period that began only recently (June 14, 2007). These data are often very similar to corresponding data gathered before June 2007. Over time, the data that exceed the reference data are expected to be reduced substantially.

Table 2: NMED 2-08 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 Compliance Order on Consent (the Consent Order).

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

Criteria 5 and 6 involve conclusions based on 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 2-08 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	Symbol	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	Load Date
C1	3	3	08/10/06	0.00000948	0.00000948	0.00000948	1	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	08/02/07		UF	CS	DIOX/FUR	Pentachlorodibenzofurans (Totals)	30402-15-4		0.00000948	1.00				0.00000948	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC	09/14/07
C1	3	3	08/10/06	0.00000924	0.00000924	0.00000924	1	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	08/02/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9		0.00000924	1.00				0.00000924	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC	09/14/07
C1	3	3	08/10/06	0.0000019	0.00000285	0.000002375	2	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	08/02/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4		0.00000285	1.20				0.00000285	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC	09/14/07
C1	3	3	08/10/06	0.00000268	0.0000211	0.00001189	2	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	08/02/07		UF	CS	DIOX/FUR	Heptachlorodibenzofurans (Total)	38998-75-3		0.0000211	1.77				0.0000211	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC	09/14/07
C1	3	3	08/10/06	0.00000266	0.000017	0.00000983	2	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	08/02/07		UF	CS	DIOX/FUR	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	39001-02-0		0.000017	1.73				0.000017	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC	09/14/07
C1	3	3	08/10/06	0.0000156	0.0000156	0.0000156	1	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	08/02/07		UF	CS	DIOX/FUR	Hexachlorodibenzofurans (Total)	55684-94-1		0.0000156	1.00				0.0000156	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC	09/14/07
C1	3	3	08/10/06	0.0000104	0.0000104	0.0000104	1	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	08/02/07		UF	CS	DIOX/FUR	Tetrachlorodibenzofurans (Totals)	55722-27-5		0.0000104	1.00				0.0000104	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC	09/14/07
C1	3	3	08/10/06	0.0000211	0.0000211	0.0000211	1	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	08/02/07		UF	CS	DIOX/FUR	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	67562-39-4		0.0000211	1.00				0.0000211	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC	09/14/07
C1	3	3	08/10/06	0.00000692	0.00000692	0.00000692	1	Pueblo Canyon (includes Acid Canyon)	Alluvial	PAO-4	1.97	08/02/07		UF	CS	DIOX/FUR	Hexachlorodibenzofuran[1,2,3,4,7,8-]	70648-26-9		0.00000692	1.00				0.00000692	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC	09/14/07
C1	4	4	10/24/06	0.00000322	0.0000123	0.00000762	3	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-5	21	08/21/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4		0.00000322	0.42				0.00000322	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC	10/26/07
C1	5	5	07/03/06	0.00000148	0.00000148	0.00000148	1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-13	958.3	08/16/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4		0.00000148	1.00				0.00000148	ug/L	1	J	J	SWQ5	SW-846:8290	ALTC	10/26/07
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	10/30/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9		0.00000305	1.15				0.00000305	ug/L	1		J	SWQ5	SW-846:8290	ALTC	11/28/07
C1	46	61	01/31/00	0.0874	6.6	1.36	17	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		UF	CS	HEXP	Trinitrotoluene[2,4,6-]	118-96-7		0.27	0.20	EPA TAP SCRN LVL C-5	22.411	0.0	0.0779	ug/L	2	J			SW-846:8321A_MOD	GELC	11/27/07
C1	46	61	01/31/00	4.59	100	21.1	58	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		UF	CS	HEXP	RDX	121-82-4		21.8	1.03	EPA TAP SCRN LVL C-5	6.112	3.6	0.649	ug/L	10		J+	LMS2	SW-846:8321A_MOD	GELC	11/27/07
C1	39	54	01/31/00	0.137	1.12	0.28	35	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		UF	CS	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0		0.477	1.70				0.13	ug/L	2				SW-846:8321A_MOD	GELC	11/27/07
C1	46	61	01/31/00	0.243	12	1.985	56	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		UF	CS	HEXP	HMX	2691-41-0		2.81	1.42	EPA TAP SCRN LVL N	1825	0.0	0.104	ug/L	2		J-	LC3	SW-846:8321A_MOD	GELC	11/27/07
C1	39	54	01/31/00	0.11	0.59	0.24	35	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		UF	CS	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2		0.32	1.33				0.117	ug/L	2	J			SW-846:8321A_MOD	GELC	11/27/07
C1	46	61	01/31/00	0.11	1.8	0.458	41	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		UF	CS	HEXP	Trinitrobenzene[1,3,5-]	99-35-4		1.18	2.58	EPA TAP SCRN LVL N	1095	0.0	0.104	ug/L	2				SW-846:8321A_MOD	GELC	11/27/07
C1	26	36	03/21/00	0.48	3.9	1.7	34	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		UF	CS	VOA	Tetrachloroethene	127-18-4		1.37	0.81	EPA PRIM DW STD	5	0.3	0.25	ug/L	1				SW-846:8260B	GELC	11/27/07
C1	26	36	03/21/00	1.2	3.7	2	35	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		UF	CS	VOA	Trichloroethene	79-01-6		1.66	0.83	EPA PRIM DW STD	5	0.3	0.25	ug/L	1				SW-846:8260B	GELC	11/27/07
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	10/19/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9		0.000074	1.05				0.000074	ug/L	1		J	SWQ5	SW-846:8290	ALTC	11/21/07
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	10/19/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	35822-46-9		0.000012	1.11				0.000012	ug/L	1		J	SWQ5	SW-846:8290	ALTC	11/21/07
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	10/19/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4		0.0000315	1.20				0.0000315	ug/L	1		J	SWQ5	SW-846:8290	ALTC	11/21/07
C1	9	11	03/30/00	0.158	6.56	0.55	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	10/19/07		UF	CS	HEXP	RDX	121-82-4		0.172	0.31	EPA TAP SCRN LVL C-5	6.112	0.0	0.13	ug/L	2	J	J+	LMS2, LC2	SW-846:8321A_MOD	GELC	11/28/07
C1	9	11	03/30/00	2.66	54.3	10.2	11	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	10/19/07		UF	CS	HEXP	HMX	2691-41-0		11.1	1.09	EPA TAP SCRN LVL N	1825	0.0	0.104	ug/L	2		J+	LC2	SW-846:8321A_MOD	GELC	11/28/07
C1	9	9	03/30/00	3.56	17.2	4.3	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	10/19/07		UF	CS	VOA	Acetone	67-64-1		3.96	0.92	EPA TAP SCRN LVL N	5475	0.0	1.25	ug/L	1	J	J-	VWQ3, VWQ9	SW-846:8260B	GELC	11/28/07
C1	42	63	01/31/00	3.54	230	135	59	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		UF	CS	HEXP	RDX	121-82-4		117	0.87	EPA TAP SCRN LVL C-5	6.112	19.1	1.62	ug/L	25		J	LMS1	SW-846:8321A_MOD	GELC	11/27/07

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	Symbol	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	Load Date
C1	36	57	01/31/00	0.117	3.9000001	2.1	39	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		UF	CS	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0		1.67	0.80				0.13	ug/L	2				SW-846:8321A_MOD	GELC	11/27/07
C1	42	62	01/31/00	0.66	31.7	17.05	52	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		UF	CS	HEXP	HMX	2691-41-0		19.8	1.16	EPA TAP SCRN LVL N	1825	0.0	1.3	ug/L	25		J, J-	LC3, LMS1	SW-846:8321A_MOD	GELC	11/27/07
C1	36	56	01/31/00	0.5	3	1.6	37	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		UF	CS	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2		1.47	0.92				0.117	ug/L	2				SW-846:8321A_MOD	GELC	11/27/07
C1	23	26	03/21/00	0.268	0.62	0.386	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		UF	CS	VOA	Tetrachloroethene	127-18-4		0.386	1.00	EPA PRIM DW STD	5	0.1	0.25	ug/L	1	J			SW-846:8260B	GELC	11/27/07
C1	23	26	03/21/00	1.33	1.33	1.33	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		UF	CS	VOA	Carbon Disulfide	75-15-0		1.33	1.00	EPA TAP SCRN LVL N	1042.9	0.0	1.25	ug/L	1	J			SW-846:8260B	GELC	11/27/07
C1	23	26	03/21/00	0.259	0.78	0.52	17	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		UF	CS	VOA	Trichloroethene	79-01-6		0.259	0.50	EPA PRIM DW STD	5	0.1	0.25	ug/L	1	J			SW-846:8260B	GELC	11/27/07
C1	11	11	12/07/00	0.296	3.1	0.4525	8	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	10/17/07		UF	CS	HEXP	HMX	2691-41-0		0.301	0.67	EPA TAP SCRN LVL N	1825	0.0	0.104	ug/L	2	J	J-, J, J+	LC3, LMS1, LL2	SW-846:8321A_MOD	GELC	02/15/08
C1	4	4	08/09/05	0.356	0.375	0.3655	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	10/17/07		UF	CS	HEXP	2,4-Diamino-6-nitrotoluene	6629-29-4		0.375	1.03				0.26	ug/L	2	J	J	LMS1	SW-846:8321A_MOD	GELC	02/15/08
C1	9	9	12/07/00	0.262	0.74	0.68	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	10/17/07		UF	CS	VOA	Styrene	100-42-5		0.262	0.39	EPA PRIM DW STD	100	0.0	0.25	ug/L	1	J			SW-846:8260B	GELC	02/15/08
C1	9	9	12/07/00	0.288	0.288	0.288	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	10/17/07		UF	CS	VOA	Tetrachloroethene	127-18-4		0.288	1.00	EPA PRIM DW STD	5	0.1	0.25	ug/L	1	J			SW-846:8260B	GELC	02/15/08
C1	2	2	09/18/06	9.13E-07	0.00000537	3.1415E-06	2	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	09/24/07		UF	CS	DIOX/FUR	Pentachlorodibenzofurans (Totals)	30402-15-4		0.00000537	1.71				0.00000537	ug/L	1		J	SWQ5	SW-846:8290	ALTC	11/21/07
C1	2	2	09/18/06	0.0000164	0.0000164	0.0000164	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	09/24/07		UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9		0.0000164	1.00				0.0000164	ug/L	1		J	SWQ5	SW-846:8290	ALTC	11/21/07
C1	2	2	09/18/06	0.0000059	0.0000059	0.0000059	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	09/24/07		UF	CS	DIOX/FUR	Tetrachlorodibenzofuran[2,3,7,8-]	51207-31-9		0.0000059	1.00				0.0000059	ug/L	1		NJ, J	SWQ5	SW-846:8290	ALTC	11/21/07
C1	2	2	09/18/06	0.0000105	0.0000105	0.0000105	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	09/24/07		UF	CS	DIOX/FUR	Tetrachlorodibenzofurans (Totals)	55722-27-5		0.0000105	1.00				0.0000105	ug/L	1		J	SWQ5	SW-846:8290	ALTC	11/21/07
C1	2	2	09/18/06	0.00000313	0.00000313	0.00000313	1	White Rock Canyon and Rio Grande	Regional Spring	Spring 4AA	0	09/24/07		UF	CS	DIOX/FUR	Pentachlorodibenzofuran[2,3,4,7,8-]	57117-31-4		0.00000313	1.00				0.00000313	ug/L	1		J	SWQ5	SW-846:8290	ALTC	11/21/07
C2	3	4	01/29/07	48.9	71.7	61.75	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3		62.8	1.02	LANL Int BG LVL	52	1.2	0.725	mg/L	1				EPA:310.1	GELC	11/27/07
C2	47	57	01/10/00	13.8	23	18.3	57	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		F	CS	GENINORG	Calcium	Ca		17.5	0.96	LANL Int BG LVL	17.31	1.0	0.03	mg/L	1				SW-846:6010B	GELC	11/27/07
C2	3	4	01/29/07	13.9	24.7	21.4	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		F	CS	GENINORG	Chloride	Cl(-1)		18.2	0.85	LANL Int BG LVL	7.78	2.3	0.066	mg/L	1				EPA:300.0	GELC	11/27/07
C2	3	4	01/29/07	0.542	0.562	0.552	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		F	CS	GENINORG	Perchlorate	ClO4		0.557	1.01	LANL Int BG LVL	0.05	11.1	0.05	ug/L	1				SW-846:6850	GELC	11/27/07
C2	3	4	01/29/07	0.18	0.252	0.1855	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		F	CS	GENINORG	Fluoride	F(-1)		0.252	1.36	LANL Int BG LVL	0.23	1.1	0.033	mg/L	1				EPA:300.0	GELC	11/27/07
C2	47	57	01/10/00	11	20.1	16	57	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		F	CS	GENINORG	Sodium	Na		14	0.88	LANL Int BG LVL	12.19	1.2	0.045	mg/L	1	E			SW-846:6010B	GELC	11/27/07
C2	7	10	08/26/05	109	169	140.5	10	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		F	CS	GENINORG	Total Dissolved Solids	TDS		151	1.07	LANL Int BG LVL	127	1.2	2.38	mg/L	1				EPA:160.1	GELC	11/27/07
C2	3	4	01/29/07	0.114	0.114	0.114	1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN		0.114	1.00	LANL Int BG LVL	0.04	2.9	0.029	mg/L	1				EPA:351.2	GELC	11/27/07
C2	43	49	01/10/00	9.31	24.3	16	18	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		F	CS	METALS	Boron	B		24.3	1.52	LANL Int BG LVL	15.12	1.6	10	ug/L	1	J			SW-846:6010B	GELC	11/27/07
C2	47	57	01/10/00	146	256	180	51	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		F	CS	METALS	Barium	Ba		198	1.10	LANL Int BG LVL	71.83	2.8	1	ug/L	1				SW-846:6010B	GELC	11/27/07
C2	47	57	01/10/00	0.795	4.21	1.6	21	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		F	CS	METALS	Nickel	Ni		1.5	0.94	LANL Int BG LVL	1	1.5	0.5	ug/L	1	J			SW-846:6020	GELC	11/27/07

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	Symbol	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	Load Date
C2	2	2	05/11/07	0.189	0.261	0.225	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	10/19/07		F	CS	GENINORG	Fluoride	F(-1)		0.261	1.16	LANL Int BG LVL	0.23	1.1	0.033	mg/L	1				EPA:300.0	GELC	11/28/07
C2	2	2	05/11/07	1.41	1.56	1.485	2	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	10/19/07		F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN		1.56	1.05	LANL Int BG LVL	0.04	39.0	0.029	mg/L	1				EPA:351.2	GELC	11/28/07
C2	9	9	03/30/00	470	10800	4870	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	10/19/07		F	CS	METALS	Aluminum	Al		1210	0.25	LANL Int BG LVL	1065.84	1.1	68	ug/L	1				SW-846:6010B	GELC	11/28/07
C2	8	8	03/30/00	29.1	67.7	39.15	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	10/19/07		F	CS	METALS	Boron	B		40.9	1.04	LANL Int BG LVL	15.12	2.7	10	ug/L	1	J			SW-846:6010B	GELC	11/28/07
C2	9	9	03/30/00	206	382	330	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	10/19/07		F	CS	METALS	Barium	Ba		238	0.72	LANL Int BG LVL	71.83	3.3	1	ug/L	1				SW-846:6010B	GELC	11/28/07
C2	9	9	03/30/00	1.5	10.6	1.7	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	10/19/07		F	CS	METALS	Cobalt	Co		1.5	0.88	LANL Int BG LVL	0.5	3.0	1	ug/L	1	J	JN-	IWQ2	SW-846:6010B	GELC	11/28/07
C2	9	9	03/30/00	410	6360	2810	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	10/19/07		F	CS	METALS	Iron	Fe		850	0.30	LANL Int BG LVL	839.99	1.0	25	ug/L	1				SW-846:6010B	GELC	11/28/07
C2	9	9	03/30/00	18.5	299	87.6	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	10/19/07		F	CS	METALS	Manganese	Mn		151	1.72	LANL Int BG LVL	2	75.5	2	ug/L	1				SW-846:6010B	GELC	11/28/07
C2	9	9	03/30/00	2.1	5.6	4.575	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	10/19/07		F	CS	METALS	Nickel	Ni		3	0.66	LANL Int BG LVL	1	3.0	0.5	ug/L	1				SW-846:6020	GELC	11/28/07
C2	9	9	03/30/00	0.75	6.07	2.6	7	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	10/19/07		F	CS	METALS	Lead	Pb		0.75	0.29	LANL Int BG LVL	0.5	1.5	0.5	ug/L	1	J			SW-846:6020	GELC	11/28/07
C2	9	9	03/30/00	4	30.2	25.9	7	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	10/19/07		F	CS	METALS	Zinc	Zn		4	0.15	LANL Int BG LVL	2	2.0	2	ug/L	1	J			SW-846:6010B	GELC	11/28/07
C2	3	4	01/30/07	92.4	104	93.05	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		F	CS	GENINORG	Alkalinity-CO3+HCO3	ALK-CO3+HCO3		92.6	1.00	LANL Int BG LVL	52	1.8	0.725	mg/L	1				EPA:310.1	GELC	11/27/07
C2	43	46	01/10/00	15.5	42.8	32.6	46	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		F	CS	GENINORG	Calcium	Ca		25.3	0.78	LANL Int BG LVL	17.31	1.5	0.03	mg/L	1				SW-846:6010B	GELC	11/27/07
C2	3	4	01/30/07	20.9	32.4	28.85	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		F	CS	GENINORG	Chloride	Cl(-1)		20.9	0.72	LANL Int BG LVL	7.78	2.7	0.132	mg/L	2				EPA:300.0	GELC	11/27/07
C2	3	4	01/30/07	0.476	0.558	0.541	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		F	CS	GENINORG	Perchlorate	ClO4		0.476	0.88	LANL Int BG LVL	0.05	9.5	0.05	ug/L	1				SW-846:6850	GELC	11/27/07
C2	3	4	01/30/07	0.479	0.581	0.484	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		F	CS	GENINORG	Fluoride	F(-1)		0.479	0.99	LANL Int BG LVL	0.23	2.1	0.033	mg/L	1				EPA:300.0	GELC	11/27/07
C2	43	46	01/10/00	4.5	10	7.6	44	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		F	CS	GENINORG	Magnesium	Mg		6.12	0.81	LANL Int BG LVL	6.12	1.0	0.085	mg/L	1				SW-846:6010B	GELC	11/27/07
C2	43	46	01/10/00	17	50.2	35.3	46	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		F	CS	GENINORG	Sodium	Na		25.4	0.72	LANL Int BG LVL	12.19	2.1	0.045	mg/L	1	E			SW-846:6010B	GELC	11/27/07
C2	7	9	08/25/05	188	245	240	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		F	CS	GENINORG	Total Dissolved Solids	TDS		211	0.88	LANL Int BG LVL	127	1.7	2.38	mg/L	1				EPA:160.1	GELC	11/27/07
C2	3	5	01/30/07	0.2	2.39	0.235	3	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		F	CS	GENINORG	Total Kjeldahl Nitrogen	TKN		0.2	0.85	LANL Int BG LVL	0.04	5.0	0.029	mg/L	1				EPA:351.2	GELC	11/27/07
C2	39	42	01/10/00	570	2840	2070	42	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		F	CS	METALS	Boron	B		1310	0.63	LANL Int BG LVL	15.12	86.6	10	ug/L	1				SW-846:6010B	GELC	11/27/07
C2	43	46	01/10/00	122	243	180	39	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		F	CS	METALS	Barium	Ba		154	0.86	LANL Int BG LVL	71.83	2.1	1	ug/L	1				SW-846:6010B	GELC	11/27/07
C2	43	46	01/10/00	0.752	2.2	1.355	16	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		F	CS	METALS	Chromium	Cr		1.6	1.18	LANL Int BG LVL	1	1.6	1	ug/L	1	J			SW-846:6020	GELC	11/27/07
C2	43	46	01/10/00	1.73	23.4	8.89	21	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		F	CS	METALS	Manganese	Mn		9.9	1.11	LANL Int BG LVL	2	5.0	2	ug/L	1	J			SW-846:6010B	GELC	11/27/07
C2	43	46	01/10/00	0.87	2.3	1.2	13	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		F	CS	METALS	Nickel	Ni		1	0.83	LANL Int BG LVL	1	1.0	0.5	ug/L	1	J			SW-846:6020	GELC	11/27/07

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	Symbol	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	Load Date
C2	3	4	02/01/07	0.204	0.246	0.2295	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-26	659.3	10/17/07		F	CS	GENINORG	Perchlorate	ClO4		0.235	1.02	LANL Int BG LVL	0.05	4.7	0.05	ug/L	1				SW-846:6850	GELC	12/10/07
C2	7	8	04/13/05	56.3	59.2	57.7	8	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-26	659.3	10/17/07		F	CS	GENINORG	Silicon Dioxide	SiO2		57.7	1.00	LANL Int BG LVL	50.72	1.1	0.032	mg/L	1				SW-846:6010B	GELC	12/10/07
C2	7	8	04/13/05	7.6	8.5	8.25	8	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-26	659.3	10/17/07		F	CS	METALS	Vanadium	V		7.6	0.92	LANL Int BG LVL	4.91	1.6	1	ug/L	1				SW-846:6010B	GELC	12/10/07
C2	6	6	12/07/00	18.5	25.1	21.4	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	10/17/07		F	CS	GENINORG	Calcium	Ca		25.1	1.17	LANL Reg BG LVL	24.88	1.0	0.03	mg/L	1				SW-846:6010B	GELC	02/15/08
C2	6	6	12/07/00	2.34	4.8	4.475	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	10/17/07		F	CS	GENINORG	Magnesium	Mg		4.35	0.97	LANL Reg BG LVL	4.15	1.1	0.085	mg/L	1				SW-846:6010B	GELC	02/15/08
C2	5	6	05/08/01	3.44	10.3	6.83	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	10/17/07		UF	CS	GENINORG	Total Organic Carbon	TOC		4.22	0.62	LANL Reg BG LVL	0.33	12.8	0.33	mg/L	1				SW-846:9060	GELC	02/15/08
C2	6	6	12/07/00	52.1	141	120	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	10/17/07		F	CS	METALS	Boron	B		52.1	0.43	LANL Reg BG LVL	38.77	1.3	10	ug/L	1				SW-846:6010B	GELC	02/15/08
C2	6	6	12/07/00	0.31	2	0.4935	4	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	10/17/07		F	CS	METALS	Cobalt	Co		2	4.05	LANL Reg BG LVL	0.5	4.0	1	ug/L	1	J			SW-846:6010B	GELC	02/15/08
C2	6	6	12/07/00	8.1	396	235	6	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	10/17/07		F	CS	METALS	Manganese	Mn		8.1	0.03	LANL Reg BG LVL	2.94	2.8	2	ug/L	1	J			SW-846:6010B	GELC	02/15/08
C2	6	6	12/07/00	2.7	9.87	7	5	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	1303.4	10/17/07		F	CS	METALS	Molybdenum	Mo		2.7	0.39	LANL Reg BG LVL	2	1.4	2	ug/L	1	J	JN-	IWQ2	SW-846:6010B	GELC	02/15/08
C2	4	4	08/24/05	5.4	10.6	9	4	Ancho Canyon	Regional	Test Well DT-5A	1172	11/10/07		F	CS	METALS	Manganese	Mn		9.6	1.07	LANL Reg BG LVL	2.94	3.3	2	ug/L	1	J			SW-846:6010B	GELC	01/31/08
C2	4	4	08/24/05	175	228	194.5	4	Ancho Canyon	Regional	Test Well DT-5A	1172	11/10/07		F	CS	METALS	Zinc	Zn		175	0.90	LANL Reg BG LVL	3.89	45.0	2	ug/L	1				SW-846:6010B	GELC	01/31/08
C2	6	7	12/14/00	1.34	3.6	3.54	7	Ancho Canyon	Regional	R-31	830.9	11/02/07		F	CS	GENINORG	Potassium	K		3.54	1.00	LANL Reg BG LVL	2.63	1.4	0.05	mg/L	1				SW-846:6010B	GELC	12/12/07
C2	6	7	12/14/00	2.8	241	4.3	3	Ancho Canyon	Regional	R-31	830.9	11/02/07		F	CS	METALS	Zinc	Zn		4.3	1.00	LANL Reg BG LVL	3.89	1.1	2	ug/L	1	J			SW-846:6010B	GELC	12/12/07
C3	46	61	01/31/00	4.59	100	21.1	58	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		UF	CS	HEXP	RDX	121-82-4		21.8	1.03	EPA TAP SCRN LVL C-5	6.112	7.1	0.649	ug/L	10		J+	LMS2	SW-846:8321A_MOD	GELC	11/27/07
C3	9	9	03/30/00	410	6360	2810	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	10/19/07		F	CS	METALS	Iron	Fe		850	0.30	NM GW STD	1000	1.7	25	ug/L	1				SW-846:6010B	GELC	11/28/07
C3	9	9	03/30/00	18.5	299	87.6	9	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	10/19/07		F	CS	METALS	Manganese	Mn		151	1.72	NM GW STD	200	1.5	2	ug/L	1				SW-846:6010B	GELC	11/28/07
C3	9	9	03/30/00	1.9	13.8	5.285	8	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	0	10/19/07		UF	CS	METALS	Lead	Pb		13.8	2.61	EPA PRIM DW STD	15	1.8	0.5	ug/L	1				SW-846:6020	GELC	11/28/07
C3	42	63	01/31/00	3.54	230	135	59	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		UF	CS	HEXP	RDX	121-82-4		117	0.87	EPA TAP SCRN LVL C-5	6.112	38.3	1.62	ug/L	25		J	LMS1	SW-846:8321A_MOD	GELC	11/27/07
C3	39	42	01/10/00	570	2840	2070	42	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		F	CS	METALS	Boron	B		1310	0.63	NM GW STD	750	3.5	10	ug/L	1				SW-846:6010B	GELC	11/27/07
CA	46	61	01/31/00	4.59	100	21.1	58	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Burning Ground Spring	0	10/19/07		UF	CS	HEXP	RDX	121-82-4		21.8	1.03	EPA TAP SCRN LVL C-5	6.112	3.6	0.649	ug/L	10		J+	LMS2	SW-846:8321A_MOD	GELC	11/27/07
CA	42	63	01/31/00	3.54	230	135	59	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		UF	CS	HEXP	RDX	121-82-4		117	0.87	EPA TAP SCRN LVL C-5	6.112	19.1	1.62	ug/L	25		J	LMS1	SW-846:8321A_MOD	GELC	11/27/07
CA	39	42	01/10/00	570	2840	2070	42	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	0	10/19/07		F	CS	METALS	Boron	B		1310	0.63	NM GW STD	750	1.8	10	ug/L	1				SW-846:6010B	GELC	11/27/07

Table 2: NMED 2-08 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	4	4	10/24/06	0.00000322	0.0000123	0.00000762	3	Alluvial	MCO-5	21	08/21/07		UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	0.00000322	0.42				0.00000322	ug/L	1	J	J	SWQ5	Third detection at location; also in field blank
C1	9	9	12/07/00	0.288	0.288	0.288	1	Regional	R-25	1303.4	10/17/07		UF	CS	VOA	Tetrachloroethene	127-18-4	0.288	1.00	EPA PRIM DW STD	5	0.1	0.25	ug/L	1	J			first detection of tetrachloroethene in this port
C2	6	6	12/07/00	0.31	2	0.4935	4	Regional	R-25	1303.4	10/17/07		F	CS	METALS	Cobalt	Co	2	4.05	LANL Reg BG LVL	0.5	4.0	1	ug/L	1	J			result is estimated and is much higher than prior values
C3	9	9	03/30/00	1.9	13.8	5.285	8	Intermediate Spring	Fish Ladder Spring	0	10/19/07		UF	CS	METALS	Lead	Pb	13.8	2.61	EPA PRIM DW STD	15	1.8	0.5	ug/L	1				Highest result, but two prior UF results of 11 ug/L