SUMMARY OF NEW LOS ALAMOS NATIONAL LABORATORY GROUNDWATER DATA LOADED IN APRIL 2012

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 and contains results for chemical constituents that meet the seven screening criteria laid out in the Compliance Order on Consent (Consent Order). The report covers groundwater samples taken from wells or springs (listed in the accompanying table) that provide surveillance of the groundwater zones indicated in the table.

The report includes one table, *Table 1: NMED 4-12 Groundwater Report*. This table contains some values that are reported when they are detected for the first time since June 14, 2007, or are greater than other data collected since that time (as specified in the Consent Order). These reported data may be similar to data gathered before June 14, 2007.

This table includes the following:

- Additional comments on results that appear to be exceptional or based on consideration of monitoring data acquired before the current result (using statistics described below)
- Supplemental information summarizing monitoring results obtained before the current result
- Sampling date, name of the well or spring, location of the well or spring, depth of the screened interval, groundwater zone sampled, analytical result, detection limit, values for regulatory standards or screening levels, and analytical and secondary validation qualifiers. Additional information describing the locations and analytical data is also included. All data have been through secondary validation.

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

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

DESCRIPTION OF TABLE

The table is divided into separate categories that correspond to the seven screening criteria in the Consent Order. Some data meet one or more than one criteria and appear in the table multiple times. The table also presents only the instances where the results exceed criteria; therefore, not all seven criteria may appear in the table.

The criteria are as follows:

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

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

The subsequent columns contain location and sampling information:

Hdr 1—canyon where monitoring location is found

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

Location—monitoring location name

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

Start Date—sample date

Fld QC Type Code—identifies regular samples (REG) or field duplicates (FD)

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—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—analytical result in standard measurement units

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

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

Screen Level—value of the LVL Type/Risk Code

Exceedance Ratio—ratio of Std Result to LVL Type/Risk Code. In earlier versions of this report, the ratio was divided by the basis for comparison in the criterion, but that is no longer the case. For example, for a criterion (such as C3) that compares the value to one-half the standard, a value equal to a standard previously had an exceedance ratio of 2. The current report shows this ratio as 1.

Std Mdl—method detection limit in standard measurement units

Std UOM—standard units of measurement

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

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

Concat Flag Code—secondary validation qualifier

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

Anyl Meth Code—analytical method number

Lab Code—analytical laboratory name

Comment—comment on the analytical result

Table 1: NMED 4-12 Groundwater Report

Table 1. Ninich 4-12 Groundwater Report																							
Criteria Code Visits	Samples	First Event	Min Detect	Max Detect	Median Detect Num Detect	H dr 1	Zone	Screen Depth	Start Date	Pre l	Sam	Anyl Suite Code	Analyte Desc	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	Comments
C1 3	3				0.41 1	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate CDV-16-4ip S1	815.6	03/16/12 RE	G UF	CS	HEXP	DNX	0.41 1				0.091	ug/L 1	J	J J_LAB	SW-846:8330 STSL	
C2 1	1	03/23/12	4.28	4.28	4.28 1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial MCO-6	27	03/23/12 RE	G F	CS	GENINORG	Total Organic Carbon	4.28 1	LANL AVI BG LVL	0.46	9.3	0.33	mg/L 1		NQ NQ	SW-846:9060 GELC	
C2 1	1	03/22/12	2.32	2.32	2.32 1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial MCO-7	39	03/22/12 RE	G F	CS	GENINORG	Total Organic Carbon	2.32 1	LANL AVI BG LVL	0.46	5	0.33	mg/L 1		NQ NQ	SW-846:9060 GELC	
C2 15	16	10/09/08	0.036	0.176	0.106 2	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-42	931.8		_	CS	GENINORG	Ammonia as Nitrogen	0.176 1.7	LANL Reg BG LVL	0.05	3.5	0.016	mg/L 1		NQ NQ	EPA:350.1 GELC	
C2 15	16	10/09/08	-		0.078 1	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-42	931.8			CS	METALS		0.078 1	LANL Reg BG LVL	0.07		0.066		J	J- 19	EPA:245.2 GELC	
C2 27	33	05/17/05			1.03 1	Sandia Canyon	Regional R-11	855	03/07/12 RE		CS	METALS	Cobalt	1.03 1	LANL Reg BG LVL	0.5	2.1	1	ug/L 1	J	J J_LAB	SW-846:6010B GELC	
C5 47	54	03/12/01			1.055 54	• • •	Alluvial MCO-6	27	03/23/12 RE		CS	GENINORG		0.967 0.9	LANL Avi BG LVL	0.27		0.033			NQ NQ	EPA:300.0 GELC	
C5 31	36					Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial MCO-6	27	03/23/12 RE	_	_	GENINORG				0.05			ug/L 10		NQ NQ	SW-846:6850 GELC	
C5 49	56					Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial MCO-7	39	03/22/12 RE		CS	GENINORG		0.941 0.7	LANL Avi BG LVL	0.27			mg/L 1		NQ NQ	EPA:300.0 GELC	
C5 31	36					Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial MCO-7	39	03/22/12 RE			GENINORG			LANL AVI BG LVL	0.05	149.4		ug/L 10		NQ NQ	SW-846:6850 GELC	
C5 49	56		_		306 56		Alluvial MCO-7	39	03/22/12 RE					281 0.9	LANL AVI BG LVL	139		3.4	mg/L 1		NQ NQ	EPA:160.1 GELC	
C5 27	28		_			Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial MCO-7	39	03/22/12 RE				· · · · · · · · · · · · · · · · · · ·	0.287 1	LANL AVI BG LVL	0.05			mg/L 1		NQ NQ	EPA:365.4 GELC	
C5 26	39					Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate MCOI-6	686	03/05/12 RE		CS	GENINORG				0.03	23.1		mg/L 1		NQ NQ	EPA:300.0 GELC	
C5 26	39					Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate MCOI-6	686	03/05/12 RE		CS	GENINORG		69.8 1.1	LANL Int BG LVL	17.31	4		mg/L 1		NQ NQ	SW-846:6010B GELC	
C5 26	39					Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate MCOI-6	686	03/05/12 RE			GENINORG			LANL Int BG LVL	7.78			mg/L 5	-	NQ NQ	EPA:300.0 GELC	
C5 26	39					Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate MCOI-6	686	03/05/12 RE		CS	GENINORG		0.548 1	LANL Int BG LVL				mg/L 1		NQ NQ	EPA:300.0 GELC	
C5 26	39					Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate MCOI-6	686	03/05/12 RE			GENINORG			LANL Int BG LVL				mg/L 1	-	NQ NQ	SW-846:6010B GELC	
C5 26	39	06/15/05				Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate MCOI-6	686	03/05/12 RE		CS		Nitrate-Nitrite as Nitrogen	8.07 0.6	LANL Int BG LVL	2.41		0.1	mg/L 10		NQ NQ	EPA:353.2 GELC	
C5 26	39	06/15/05				Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate MCOI-6	686	03/05/12 RE			GENINORG		64.3 0.6	LANL Int BG LVL	0.05	1286	5	ug/L 100)	NQ NQ	SW-846:6850 GELC	
C5 26	39	06/15/05		-		Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate MCOI-6	686	03/05/12 RE		CS	GENINORG		26.1 1.1	LANL Int BG LVL	12.19		0.1	mg/L 1	-	NQ NQ	SW-846:6010B GELC	
C5 26	39	06/15/05				Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate MCOI-6	686	03/05/12 RE		CS	GENINORG	Total Dissolved Solids	413 1	LANL Int BG LVL	127		3.4	mg/L 1	1.	NQ NQ	EPA:160.1 GELC	
C5 26	39					Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate MCOI-6	686	03/05/12 RE		CS	METALS	Boron		LANL Int BG LVL	15.12	_	15	ug/L 1	J	J J_LAB	SW-846:6010B GELC	
C5 26	42					Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate MCOI-6	686	03/05/12 RE			METALS	Chromium		LANL Int BG LVL	1	59.6		ug/L 1		NQ NQ	SW-846:6020 GELC	
C5 26	39		_			Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate MCOI-6	686	03/05/12 RE			METALS	Nickel	34.3 4	LANL Int BG LVL	1	34.3	0.5	ug/L 1	-	NQ NQ	SW-846:6020 GELC	
C5 26	39	06/15/05	_			Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate MCOI-6	686	03/05/12 RE			METALS	Strontium		LANL Int BG LVL	154.76		1	ug/L 1	-	NQ NQ	SW-846:6010B GELC	
C5 26	39	06/15/05				Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate MCOI-6	686	03/05/12 RE		CS	METALS	Zinc	27.9 0.7	LANL Int BG LVL	2	13.9		ug/L 1		NQ NQ	SW-846:6010B GELC	
C5 29 C5 29	32	05/20/05				Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-28	934.3			CS CS			0.33 1.5 28.7 1		0.1	3.3		mg/L 1	-	NQ NQ	EPA:300.0 GELC EPA:300.0 GELC	
	32 32	05/20/05	_	-		Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-28 Regional R-28	934.3 934.3	+			GENINORG				3.57 4.15	-	0.335	mg/L 5	-	NQ NQ	EPA:300.0 GELC SW-846:6010B GELC	
C5 29 C5 27	29	05/20/05				Mortandad Canyon (includes Ten Site Canyon and Canada del Buey) Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-28 Regional R-28	934.3			CS		Magnesium Nitrate-Nitrite as Nitrogen	3.37 0.8	LANL Reg BG LVL LANL Reg BG LVL		_	0.11	mg/L 1 mg/L 10	-	NQ NQ	EPA:353.2 GELC	
C5 27	29					Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-28		03/13/12 RE	_		GENINORG	· ·	1.01 1	LANL Reg BG LVL				ug/L 2		NQ NQ	SW-846:6850 GELC	
C5 29	32	05/20/05				Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-28	934.3		_	CS	GENINORG			LANL Reg BG LVL				mg/L 5	-	NQ NQ	EPA:300.0 GELC	-
C5 30	34	05/20/05				Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-28	934.3				METALS	Chromium	336 0.9	•	5.75	58.4		ug/L 1	F	NQ NQ	SW-846:6020 GELC	
C5 29	32	05/20/05	_	-		Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-28	934.3			CS	METALS	Nickel	14.6 1.2	· ·	3.09	4.7		ug/L 1	+-	NQ NQ	SW-846:6020 GELC	
C5 15	16		_			Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-42	931.8			CS	GENINORG		0.217 1.1		0.1			mg/L 1		NQ NQ	EPA:300.0 GELC	
C5 15	16	10/09/08	_			Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-42	931.8		_	CS	+			LANL Reg BG LVL				mg/L 1		NQ NQ	SW-846:6010B GELC	
C5 15	16		_			Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-42	931.8			CS	+		39.1 1.2	· ·	3.57			mg/L 5		NQ NQ	EPA:300.0 GELC	-
C5 15	16					Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-42	931.8	+			GENINORG			LANL Reg BG LVL				mg/L 1		NQ NQ	SW-846:6010B GELC	
C5 15	16	10/09/08				Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-42	931.8		_	CS		Nitrate-Nitrite as Nitrogen	5.75 1	LANL Reg BG LVL		6.5		mg/L 10		NQ NQ	EPA:353.2 GELC	-
C5 15	16	10/09/08	1.18	1.46	1.31 16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-42	931.8	03/09/12 RE	G F	CS	GENINORG	Perchlorate	1.31 1	LANL Reg BG LVL	0.46	2.8	0.1	ug/L 2		NQ NQ	SW-846:6850 GELC	
C5 15	16	10/09/08	60.6	80.6	68.8 16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-42	931.8	03/09/12 RE	G F	CS	GENINORG	Sulfate	73.9 1.1	LANL Reg BG LVL	7.2	10.3				NQ NQ	EPA:300.0 GELC	_
C5 15	16	10/09/08	0.952	2.84	1.28 16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-42						Total Organic Carbon	1.02 0.8	LANL Reg BG LVL	0.33	3.1	0.33	mg/L 1			SW-846:9060 GELC	_
C5 15	25	10/09/08	744	1240	886 25	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-42	931.8	03/09/12 RE	G F	CS	METALS	Chromium	969 1.1	LANL Reg BG LVL	5.75	168.5	2	ug/L 1		J+ I6b	SW-846:6020 GELC	
C5 15	16	10/09/08	8.8	29.6	21.2 16	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-42		03/09/12 RE					25.9 1.2	LANL Reg BG LVL	3.09	8.4	0.5	ug/L 1		NQ NQ	SW-846:6020 GELC	
						Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-42		03/09/12 RE						LANL Reg BG LVL						NQ NQ	SW-846:6010B GELC	
						Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional R-50 S1		03/08/12 RE						LANL Reg BG LVL				•		NQ NQ		maximum value
						Sandia Canyon	Intermediate SCI-2	548							LANL Int BG LVL						NQ NQ	EPA:300.0 GELC	
						Sandia Canyon	Intermediate SCI-2	548											mg/L 1		NQ NQ	EPA:300.0 GELC	
						Sandia Canyon	Intermediate SCI-2	548											mg/L 1			SW-846:6010B GELC	
						Sandia Canyon	Intermediate SCI-2	548											mg/L 1		NQ NQ	SW-846:6010B GELC	
						Sandia Canyon	Intermediate SCI-2	548											mg/L 5		NQ NQ	EPA:300.0 GELC	
C5 15						Sandia Canyon	Intermediate SCI-2	548											mg/L 5		NQ NQ	EPA:300.0 GELC	
						Sandia Canyon	Intermediate SCI-2		03/05/12 FD										mg/L 1		NQ NQ	SW-846:6010B GELC	
						Sandia Canyon			03/05/12 RE			_							mg/L 1		NQ NQ	SW-846:6010B GELC	
						Sandia Canyon	Intermediate SCI-2	548											ug/L 2		NQ NQ	SW-846:6850 GELC	
						Sandia Canyon	Intermediate SCI-2	548				GENINORG							ug/L 2			SW-846:6850 GELC	
						Sandia Canyon	Intermediate SCI-2	548		_	_	_							mg/L 5			EPA:300.0 GELC	
						Sandia Canyon	Intermediate SCI-2	548											mg/L 5			EPA:300.0 GELC	
						Sandia Canyon	Intermediate SCI-2		03/05/12 FD				Total Dissolved Solids						mg/L 1		NQ NQ	EPA:160.1 GELC	
C5 15	21	10/21/08	354	451	414 21	Sandia Canyon	Intermediate SCI-2	548	U3/U5/12 RE	G F	US	GENINORG	Total Dissolved Solids	410 1	LANL Int BG LVL	12/	3.3	3.4	mg/L 1		NQ NQ	EPA:160.1 GELC	

LA-UR-12-21357
EP2012-0096
5 May 2012

Criteria Code	Visits	Samples	First Event	Min Detect	Max Detect	Median Detect	Num Detect	Zone	Location	Screen Depth	Start Date	Fld QC Type Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Std Result	Result/Median	LVL Type/Risk Gode	Screen Level	Exceedance Ratio	Std Mdl	Std Uom Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Anyl Meth Code	Lab Code	Comments
C5	15	28	10/21/08	441	658	511.5	28 Sandia Canyon	Intermediate	SCI-2	548	03/05/12	FD F	CS	METALS	Chromium	446	0.9	LANL Int BG LVL	1	446	2	ug/L 1		NQ	NQ	SW-846:6020	GELC	
C5	15	28	10/21/08	441	658	511.5	28 Sandia Canyon	Intermediate	SCI-2	548	03/05/12	REG F	CS	METALS	Chromium	450	0.9	LANL Int BG LVL	1	450	2	ug/L 1		NQ	NQ	SW-846:6020	GELC	
C5	15	23	10/21/08	14.5	19.3	16.8	23 Sandia Canyon	Intermediate	SCI-2	548	03/05/12	FD F	CS	METALS	Nickel	16.6	1	LANL Int BG LVL	1	16.6	0.5	ug/L 1		NQ	NQ	SW-846:6020	GELC	
C5	15	23	10/21/08	14.5	19.3	16.8	23 Sandia Canyon	Intermediate	SCI-2	548	03/05/12	REG F	CS	METALS	Nickel	16.9	1	LANL Int BG LVL	1	16.9	0.5	ug/L 1		NQ	NQ	SW-846:6020	GELC	
							23 Sandia Canyon	Intermediate	SCI-2	548	03/05/12	FD F	CS	METALS	Strontium	339	1.1	LANL Int BG LVL	154.76	2.2	1	ug/L 1		NQ	NQ	SW-846:6010B	GELC	
C5	15	23	10/21/08	278	350	317	23 Sandia Canyon	Intermediate	SCI-2	548	03/05/12	REG F	CS	METALS	Strontium	337	1.1	LANL Int BG LVL	154.76	2.2	1	ug/L 1		NQ	NQ	SW-846:6010B	GELC	
C5	27	33	05/17/05	2.27	7.43	5.01	33 Sandia Canyon	Regional	R-11	855	03/07/12	REG F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	5.25	1	LANL Reg BG LVL	0.89	5.9	0.05	mg/L 5		NQ	NQ	EPA:353.2	GELC	
C5	28	36	05/17/05	13.5	34.9	20.6	36 Sandia Canyon	Regional	R-11	855	03/07/12	REG F	CS	METALS	Chromium	21.4	1	LANL Reg BG LVL	5.75	3.7	2	ug/L 1		NQ	NQ	SW-846:6020	GELC	
C5	17	19	03/12/08	49.9	91.1	62.8	19 Sandia Canyon	Regional	R-36	766.9	03/08/12	REG F	CS	METALS	Zinc	50.6	0.8	LANL Reg BG LVL	3.89	13	3.3	ug/L 1		NQ	NQ	SW-846:6010B	GELC	
C5	13	13	11/05/08	5.14	6.03	5.505	12 Sandia Canyon	Regional	R-43 S1	903.9	03/09/12	REG F	CS	GENINORG	Nitrate-Nitrite as Nitrogen	5.56	1	LANL Reg BG LVL	0.89	6.2	0.1	mg/L 10		NQ	NQ	EPA:353.2	GELC	
C5	13	14	11/05/08	0.678	0.982	0.92	14 Sandia Canyon	Regional	R-43 S1	903.9	03/09/12	REG F	CS	GENINORG	Perchlorate	0.966	3 1	LANL Reg BG LVL	0.46	2.1	0.05	ug/L 1		NQ	NQ	SW-846:6850	GELC	
C5	13	19	11/05/08	2.35	37.4	6.67	16 Sandia Canyon	Regional	R-43 S1	903.9	03/09/12	REG F	CS	METALS	Chromium	37.4	5.6	LANL Reg BG LVL	5.75	6.5	2	ug/L 1		NQ	NQ	SW-846:6020	GELC m	naximum value
C6	47	54	03/12/01	0.742	1.51	1.055	54 Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	27	03/23/12	REG F	CS	GENINORG	Fluoride	0.967	7 0.9	NM GW STD	1.6	0.6	0.033	mg/L 1		NQ	NQ	EPA:300.0	GELC	
C6	49	56	03/12/01	0.78	1.79	1.29	55 Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	39	03/22/12	REG F	CS	GENINORG	Fluoride	0.941	1 0.7	NM GW STD	1.6	0.6	0.033	mg/L 1		NQ	NQ	EPA:300.0	GELC	
C6	13	19	11/05/08	2.35	37.4	6.67	16 Sandia Canyon	Regional	R-43 S1	903.9	03/09/12	REG F	CS	METALS	Chromium	37.4	5.6	NM GW STD	50	0.7	2	ug/L 1		NQ	NQ	SW-846:6020	GELC m	naximum value