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

July 15, 2007

INTRODUCTION

This report provides preliminary information to the New Mexico Environment Department (NMED) concerning recent groundwater data. This report highlights constituents that exceed a standard for the first time, that exceed one-half of an applicable regulatory standard, or that are first-time detections of organic compounds in groundwater samples taken from several wells or springs (listed in the accompanying tables), which provide surveillance of the groundwater zones indicated in the tables. Other new detections near standards are also included where they were recognized.

In the tables, information is given for sample date, detection limits, values for regulatory standards, and analytical and secondary validation qualifiers. Generally, all data have been through secondary validation, as indicated on the tables by a preliminary flag of N. 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.

The screening levels used include U.S. Environmental Protection Agency (EPA) maximum contaminant levels (MCLs), New Mexico groundwater standards, and EPA Region VI tap water screening levels (for compounds having no other regulatory standard). In the tables, the EPA Region VI tap water screening levels are identified as being for cancer (10^{-6} excess) or noncancer risk values. We screened using 10 times the 10^{-6} excess cancer risk values as indicated under Section VIII.A.1 of the Consent Order.

This report includes a review of recently released San Ildefonso Pueblo data collected since June 1, 2006, and not previously reported to NMED. These data are presented in a separate set of tables.

First exceedance of a standard:

- At Mortandad Canyon alluvial well MCO-6, nitrate (as nitrogen) was measured at 241 mg/L. The result was close to the total dissolved solids (TDS) value of 308 mg/L and is 24 times the New Mexico groundwater standard of 10 mg/L. The source of this high value is likely a field preservation error using nitric acid. The field duplicate results (2.01 mg/L) and those from a reanalyzed unpreserved sample (1.45 mg/L) were consistent with earlier data. The field data collection teams have implemented corrective actions to prevent this type of error.
- In Ancho Canyon regional well R-31, 532 ft, dissolved iron (1340 µg/L) was detected for the first time above the New Mexico groundwater standard of 1000 µg/L. This port is impacted by reducing conditions that result from residual drilling fluid.
- The unfiltered lead result in Cañon de Valle intermediate well CdV-16-2(i)r is the first above the EPA MCL of 15 µg/L. The result was 15.7 µg/L (method detection limit [MDL] 0.5 µg/L) and was 105% of the MCL; lead was not detected in the filtered sample. The sample turbidity was a very low 3.9 nephelometric turbidity unit (NTU), with a previous value of 166 NTU. Thus, the lead result may not be related to sample turbidity, or there may be variation of turbidity during sampling. Lead has been detected in four previous unfiltered samples from this well, with a high value of 6.8 µg/L.

- A nitrate (as nitrogen) result at Pine Rock Spring on San Ildefonso Pueblo in lower Mortandad Canyon north of Overlook Park, at 144% (March 2007) of the New Mexico groundwater standard of 10 mg/L, is the first detection above the standard at this location. The nitrate (as nitrogen) concentrations ranged from 40% (October 2006) to 144% (March 2007) of the standard of 10 mg/L. In contrast to nitrate, for three sampling events, the fluoride concentration was fairly steady at about 56% of the New Mexico groundwater standard of 1.6 mg/L. The TDS concentration has also been steady at up to 58% of the New Mexico groundwater standard of 1000 mg/L. Perchlorate at this spring has also been steady at 1.6 µg/L. The spring chemistry suggests that it is impacted by discharge of sanitary effluent from the nearby treatment plant or by irrigation of athletic fields at the park with effluent.

First exceedance of one-half standard:

- In White Rock Canyon Spring 4, the filtered (5.5 µg/L) and unfiltered (6.9 µg/L) arsenic results were above one-half of the EPA MCL of 10 µg/L for the first time. Arsenic has been analyzed in this spring since 1986. Previous values ranged from 1.7 µg/L to 4.0 µg/L. Many of the previous results had detection limits that were higher than the current MDL of 1.5 µg/L.
- At Fish Ladder Spring in Cañon de Valle, unfiltered arsenic and lead were detected for the first time above one-half the respective EPA MCLs of 10 µg/L and 15 µg/L. The arsenic result of 5.2 µg/L was 52% of the MCL (MDL 1.5 µg/L); the filtered result was 2.7 µg/L. These are the first detections of arsenic at this location. The lead result of 11.2 µg/L was 75% of the MCL (MDL 0.5 µg/L); the filtered result was a nondetect, and previous filtered and unfiltered results have ranged from 1.3 µg/L to 3.3 µg/L. The high unfiltered metals content may be related to sample turbidity. The sample turbidity was 185 NTU, similar to one of two previous measurements; the other previous measurement was 31 NTU.
- The unfiltered beryllium result in Cañon de Valle, intermediate well CdV-16-2(i)r is the first above one-half the EPA MCL of 4 µg/L. The result was 2.8 µg/L (J-qualified, MDL 1 µg/L) and was 70% of the MCL; beryllium was not detected in the filtered sample and was detected in only one of seven previous unfiltered samples.
- Results from three sampling events for fluoride (at 56% of the New Mexico groundwater standard of 1.6 mg/L) and TDS (at up to 58% of the New Mexico groundwater standard of 1000 mg/L) at Pine Rock Spring on San Ildefonso Pueblo are the first values from this location.
- The filtered and unfiltered nitrate (as nitrogen) results from August 2006 samples at LLAO-1b on San Ildefonso Pueblo were 6.1 mg/L and 9.7 mg/L, respectively. The latter is the highest value measured in the well and is 97% of the New Mexico Groundwater Standard. The source of nitrate may be releases into Pueblo Canyon from the Los Alamos County sanitary treatment plant.
- A J-flagged (estimated) filtered arsenic result at Black Mesa Well (San Ildefonso Pueblo) was 64% of the EPA MCL of 10 µg/L and is the first detection in this well. This result was just above the MDL of 6 µg/L and arsenic was not found in the unfiltered sample. From a geochemical perspective the total arsenic should be higher than the dissolved arsenic. The result is unreliable as it is close to the detection limit. Future analyses will have a lower MDL.

Other new results:

- The first detection of diesel range organics (DRO) (47.1 µg/L, J-qualifier) in Sandia Canyon intermediate well SCI-1 is close to the MDL of 36.7 µg/L. Since 2006, DRO has been analyzed 2 times at this well. There is no regulatory standard for this compound.

- The first detection of carbon disulfide (1.36 µg/L, J-flagged) in Cañon de Valle intermediate well R-25 at 1192 ft is close to the MDL of 1.25 µg/L. The noncancer risk EPA tap screening level for this compound is 1042 µg/L. Carbon disulfide was not detected in the companion field trip blank.
- In Cañon de Valle well R-25 at 755 ft in intermediate groundwater, the first nitrotoluene[2-] detection (0.217 µg/L, J-qualified, MDL: 0.147 µg/L) was found at 7.4% of the EPA Region VI 10^{-5} excess cancer risk tap screening level of 0.29 µg/L. Nitrotoluene[2-] has not been detected in previous samples from this screen since the first sample was collected in 2000.
- For the first time, butanone[2-] was detected in White Rock Spring 3 (3.29 µg/L), Spring 4C (7.95 µg/L), and Spring 5 (6.08 µg/L). The noncancer risk EPA tap screening level for this compound is 7065 µg/L. Butanone[2-] was not found in field trip blanks.
- For the first time, acetone (1.74 µg/L) was found near the MDL (1.25 µg/L) in Water Canyon intermediate well R-26 at 659 ft but only in the field duplicate. Acetone was not detected in the primary sample or in the field trip blank.
- A number of first time detections of dibenzodioxin and polychlorinated dibenzofuran (PCDD and PCDF) compounds were detected for the first time in samples taken at San Ildefonso Pueblo. PCDD and PCDF analysis is sent to external contract analytical laboratories and is performed using EPA Method SW-846: 8290 (as required by the Consent Order). The Paradigm (lab code SGSW on tables) results indicated very low-level detections at a majority of the groundwater locations sampled (detections reported at 34 of 36 groundwater locations in 2006). To correct the problem with false positive detections, LANL changed to ALTA Analytical Laboratory. ALTA showed a lower rate of detection (detections reported at 4 of 13 locations in 2006) but still at a higher rate than expected for PCDDs and PCDFs in groundwater. These detections of PCDDs and PCDFs in groundwater have occurred inconsistently in individual samples and their related duplicate samples. In addition, these compounds have been detected inconsistently between sample rounds for the same locations. Paradigm has also reported contamination in some of the method blanks associated with these samples, but the detection of PCDDs and PCDFs in the method blanks and samples has not been consistent. This pattern of inconsistent detections of PCDDs and PCDFs in groundwater has continued into 2007, and LANL is investigating this issue.

General Inorganic Compounds

Analyte	Hdr 1	Zone	Location Name	Well Class	Port Depth	Top Depth	Bottom Depth	Start Date Time	Fld Prep Code	Fld Qc Type Code	Lab Sample Type Code	Symbol	Std Result	Std Uncert	Std Mda	Std Uom	Lab Code	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	EPA PRIM DW STD Scr Lvl	EPA PRIM DW STD Ratio (Result/Scr level)	NM GW LIM Scr Lvl	NM GW LIM Ratio (Result/Scr Level)
F(-1)	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	SINGLE	8.9	8.9	28.9	05/03/07	F		CS		0.829			mg/L	GELC				N			1.6	0.52
F(-1)	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	SINGLE	27	27	47	05/02/07	F	FD	CS		1.05			mg/L	GELC				N			1.6	0.66
F(-1)	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	SINGLE	27	27	47	05/02/07	F		CS		1.07			mg/L	GELC				N			1.6	0.67
F(-1)	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	SINGLE	39	39	69	05/02/07	F		CS		1.36			mg/L	GELC				N			1.6	0.85
NO3+NO2-N	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	SINGLE	27	27	47	05/02/07	F		CS		241			mg/L	GELC		J	I10	N	10	24.1	10	24.1
TDS	Sandia Canyon	Intermediate	SCI-1	SINGLE	358.4	358.4	377.9	04/11/07	F		CS		524			mg/L	GELC				N			1000	0.52
TDS	Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	SINGLE	2.3	2.3	7.3	05/09/07	F		CS		708			mg/L	GELC				N			1000	0.71

Perchlorate

Fld Matrix Code	Hdr 1	Zone	Location Name	Well Class	Port Depth	Top Depth	Bottom Depth	Start Date Time	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Analyte	Anyl Meth Code	Symbol	Std Result	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	Lab Code
WG	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-4B	SINGLE	9	9	29	05/03/07		F	CS	ClO4	SW846 6850 Modified		24.7	2	µg/L	40		J	LMS1	N	GELC
WG	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	SINGLE	27	27	47	05/02/07		F	CS	ClO4	SW846 6850 Modified		19.4	1.25	µg/L	25		J	LMS1	N	GELC
WG	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-6	SINGLE	27	27	47	05/02/07	FD	F	CS	ClO4	SW846 6850 Modified		19.7	1.25	µg/L	25		J	LMS1	N	GELC
WG	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Alluvial	MCO-7	SINGLE	39	39	69	05/02/07		F	CS	ClO4	SW846 6850 Modified		23.5	2	µg/L	40		J	LMS1	N	GELC

Metals

Hdr 1	Zone	Location Name	Well Class	Port Depth	Top Depth	Bottom Depth	Start Date Time	Analyte	Fld Prep Code	Lab Sample Type Code	Fld Qc Type Code	Symbol	Std Result	Std Mdl	Std Uom	Anyl Meth Code	Lab Code	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	EPA PRIM DW STD Scr Lvl	EPA PRIM DW STD Ratio (Result/Scr Level)	NM GW STD Scr Lvl	NM GW STD Ratio (Result/Scr Level)
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	SINGLE	2.3	2.3	7.3	05/09/07	Fe	F	CS			808	18	µg/L	SW-846:6010B	GELC	N			N			1000	0.81
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	SINGLE	3	3	8	05/09/07	Ba	F	CS			3950	1	µg/L	SW-846:6010B	GELC				N	2000	1.98	1000	3.95
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	SINGLE	3	3	8	05/09/07	Ba	UF	CS			3810	1	µg/L	SW-846:6010B	GELC				N	2000	1.91		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02656	SINGLE	3	3	8	05/09/07	Fe	F	CS			556	18	µg/L	SW-846:6010B	GELC				N			1000	0.56
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02657	SINGLE	0.4	0.4	5.4	05/10/07	Ba	F	CS			4190	1	µg/L	SW-846:6010B	GELC				N	2000	2.1	1000	4.19
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02657	SINGLE	0.4	0.4	5.4	05/10/07	Ba	UF	CS			5240	1	µg/L	SW-846:6010B	GELC				N	2000	2.62		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	SINGLE	1.9	1.9	6.9	05/08/07	Ba	F	CS			8730	1	µg/L	SW-846:6010B	GELC				N	2000	4.37	1000	8.73
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	SINGLE	1.9	1.9	6.9	05/08/07	Ba	UF	CS			8450	1	µg/L	SW-846:6010B	GELC				N	2000	4.23		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	SINGLE	1.7	1.7	6.7	05/08/07	Ba	F	CS	FD		5110	1	µg/L	SW-846:6010B	GELC				N	2000	2.56	1000	5.11
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	SINGLE	1.7	1.7	6.7	05/08/07	Ba	F	CS			4890	1	µg/L	SW-846:6010B	GELC				N	2000	2.45	1000	4.89
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	SINGLE	1.7	1.7	6.7	05/08/07	Ba	UF	CS	FD		5110	1	µg/L	SW-846:6010B	GELC				N	2000	2.56		

Hdr 1	Zone	Location Name	Well Class	Port Depth	Top Depth	Bottom Depth	Start Date Time	Analyte	Fld Prep Code	Lab Sample Type Code	Fld Qc Type Code	Symbol	Std Result	Std Mdl	Std Uom	Anyl Meth Code	Lab Code	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	EPA PRIM DW STD Scr Lvl	EPA PRIM DW STD Ratio (Result/Scr Level)	NM GW STD Scr Lvl	NM GW STD Ratio (Result/Scr Level)
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	SINGLE	1.7	1.7	6.7	05/08/07	Ba	UF	CS			5040	1	µg/L	SW-846:6010B	GELC				N	2000	2.52		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06294	SINGLE	2.5	2.5	7.3	05/10/07	Mn	F	CS			174	2	µg/L	SW-846:6010B	GELC				N			200	0.87
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	SINGLE	1.5	1.5	6.5	05/11/07	Fe	F	CS			561	18	µg/L	SW-846:6010B	GELC				N			1000	0.56
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	SINGLE	1.5	1.5	6.5	05/11/07	Mn	F	CS			273	2	µg/L	SW-846:6010B	GELC				N			200	1.37
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	SPRING	0			05/11/07	As	UF	CS			5.2	1.5	µg/L	SW-846:6020	GELC				N	10	0.52		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	SPRING	0			05/11/07	Fe	F	CS			910	18	µg/L	SW-846:6010B	GELC	N			N			1000	0.91
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	SPRING	0			05/11/07	Mn	F	CS			299	2	µg/L	SW-846:6010B	GELC				N			200	1.5
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	SPRING	0			05/11/07	Pb	UF	CS			11.2	0.5	µg/L	SW-846:6020	GELC				N	15	0.75		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	SPRING	0			05/09/07	B	F	CS	FD		1290	10	µg/L	SW-846:6010B	GELC				N			750	1.72
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Martin Spring	SPRING	0			05/09/07	B	F	CS			1280	10	µg/L	SW-846:6010B	GELC				N			750	1.71
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	SINGLE	850	850	859.7	05/10/07	Be	UF	CS			2.8	1	µg/L	SW-846:6010B	GELC	J			N	4	0.7		

Hdr 1	Zone	Location Name	Well Class	Port Depth	Top Depth	Bottom Depth	Start Date Time	Analyte	Fld Prep Code	Lab Sample Type Code	Fld Qc Type Code	Symbol	Std Result	Std Mdl	Std Uom	Anyl Meth Code	Lab Code	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	EPA PRIM DW STD Scr Lvl	EPA PRIM DW STD Ratio (Result/Scr Level)	NM GW STD Scr Lvl	NM GW STD Ratio (Result/Scr Level)
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	SINGLE	850	850	859.7	05/10/07	Pb	UF	CS			15.7	0.5	µg/L	SW-846:6020	GELC				N	15	1.05		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	CdV-R-15-3	MULTI	1350.1	1348.4	1355.3	05/09/07	Mn	F	CS			297	2	µg/L	SW-846:6010B	GELC				N			200	1.49
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	CdV-R-15-3	MULTI	1640.1	1637.9	1644.8	05/10/07	Mn	F	CS			102	2	µg/L	SW-846:6010B	GELC				N			200	0.51
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	CdV-R-37-2	MULTI	1200.3	1188.7	1213.8	05/17/07	Fe	F	CS			11800	18	µg/L	SW-846:6010B	GELC				N			1000	11.8
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	CdV-R-37-2	MULTI	1200.3	1188.7	1213.8	05/17/07	Mn	F	CS			1350	2	µg/L	SW-846:6010B	GELC				N			200	6.75
Ancho Canyon	Regional	R-31	MULTI	532.2	515	545.7	05/17/07	Fe	F	CS			1340	18	µg/L	SW-846:6010B	GELC				N			1000	1.34
Ancho Canyon	Regional	R-31	MULTI	532.2	515	545.7	05/17/07	Mn	F	CS			1370	2	µg/L	SW-846:6010B	GELC				N			200	6.85
Ancho Canyon	Regional	R-31	MULTI	670.3	666.3	676.3	05/21/07	Fe	F	CS			2220	18	µg/L	SW-846:6010B	GELC				N			1000	2.22
Ancho Canyon	Regional	R-31	MULTI	670.3	666.3	676.3	05/21/07	Mn	F	CS			257	2	µg/L	SW-846:6010B	GELC				N			200	1.29
White Rock Canyon and Rio Grande	Regional Spring	Spring 4	SPRING	0			05/03/07	As	F	CS	FD		5	1.5	µg/L	SW-846:6020	GELC	J			N	10	0.5		
White Rock Canyon and Rio Grande	Regional Spring	Spring 4	SPRING	0			05/03/07	As	F	CS			5.5	1.5	µg/L	SW-846:6020	GELC				N	10	0.55		
White Rock Canyon and Rio Grande	Regional Spring	Spring 4	SPRING	0			05/03/07	As	UF	CS	FD		6.9	1.5	µg/L	SW-846:6020	GELC				N	10	0.69		
White Rock Canyon and Rio Grande	Regional Spring	Spring 4	SPRING	0			05/03/07	As	UF	CS			5.5	1.5	µg/L	SW-846:6020	GELC				N	10	0.55		

Organic Compounds

Hdr 1	Zone	Location Name	Well Class	Port Depth	Top Depth	Bottom Depth	Start Date Time	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id	Anyl Suite Code	Analyte Desc	Analyte	Symbol	Std Result	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	Anyl Meth Code	Lab Code	EPA PRIM DW STD Scr Lvl	EPA PRIM DW STD Ratio (Result/Scr Level)	EPA TAP SCRN LVL Scr Lvl Risk Code = cancer	EPA TAP SCRN LVL Ratio (Result/Scr Level) Risk Code = cancer	EPA TAP SCRN LVL Scr Lvl Risk Code = noncancer	EPA TAP SCRN LVL Ratio (Result/Scr Level) Risk Code = noncancer	NM GW LIM Scr Lvl	NM GW LIM Ratio (Result/Scr Level)
Upper Los Alamos Canyon (includes DP Canyon)	Intermediate	LAOI(a)-1.1	SINGLE	295.2	295.2	305	04/25/07	FTB	UF	CS	GU070400G11L01-FTB	VOA	Toluene	108-88-3		0.469	0.25	µg/L	1	J			N	SW-846:8260B	GELC	1000	0			2281.25	0	750	0
Sandia Canyon	Intermediate	SCI-1	SINGLE	358.4	358.4	377.9	04/11/07	EQB	UF	CS	GU070400SCI101-EQB	VOA	Chloroform	67-66-3		0.736	0.25	µg/L	1	J			N	SW-846:8260B	GELC	80	0.01	0.167048	4.41			100	0.01
Sandia Canyon	Intermediate	SCI-1	SINGLE	358.4	358.4	377.9	04/11/07	FTB	UF	CS	GU070400SCI101-FTB	VOA	Acetone	67-64-1		12.7	1.25	µg/L	1				N	SW-846:8260B	GELC					5475	0		
Sandia Canyon	Intermediate	SCI-1	SINGLE	358.4	358.4	377.9	04/11/07	FTB	UF	CS	GU070400SCI101-FTB	VOA	Butanone[2-]	78-93-3		1.86	1.25	µg/L	1	J			N	SW-846:8260B	GELC					7064.516	0		
Sandia Canyon	Intermediate	SCI-1	SINGLE	358.4	358.4	377.9	04/11/07	FTB	UF	CS	GU070400SCI101-FTB	VOA	Carbon Disulfide	75-15-0		1.34	1.25	µg/L	1	J	J-	VWQ9	N	SW-846:8260B	GELC					1042.857	0		
Sandia Canyon	Intermediate	SCI-1	SINGLE	358.4	358.4	377.9	04/11/07		UF	CS	GU070400SCI101	DRO	Diesel Range Organics	DRO		47.1	36.7	µg/L	1	J			N	SW-846:8015B	GELC								
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02655	SINGLE	2.3	2.3	7.3	05/09/07		UF	CS	GU07050CDV5501	VOA	Butanone[2-]	78-93-3		3.57	1.25	µg/L	1	J			N	SW-846:8260B	GELC					7064.516	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02657	SINGLE	0.4	0.4	5.4	05/10/07		UF	CS	GU07050CDV5701	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0		3.55	0.13	µg/L	2		J-	LIS1	N	SW-846:8321A_MOD	GELC								
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02657	SINGLE	0.4	0.4	5.4	05/10/07		UF	CS	GU07050CDV5701	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2		2.82	0.117	µg/L	2		J-	LIS1	N	SW-846:8321A_MOD	GELC								
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02657	SINGLE	0.4	0.4	5.4	05/10/07		UF	CS	GU07050CDV5701	HEXP	HMX	2691-41-0		225	5.19	µg/L	100		J-, J	LMS1, LIS1	N	SW-846:8321A_MOD	GELC					1825	0.12		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02657	SINGLE	0.4	0.4	5.4	05/10/07		UF	CS	GU07050CDV5701	HEXP	RDX	121-82-4		20.3	0.649	µg/L	10		J-, J	LIS1, LMS4	N	SW-846:8321A_MOD	GELC			0.611196	33.21				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02657	SINGLE	0.4	0.4	5.4	05/10/07		UF	CS	GU07050CDV5701	VOA	Acetone	67-64-1		1.43	1.25	µg/L	1	J	J-	VWQ3, VWQ9	N	SW-846:8260B	GELC					5475	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	SINGLE	1.9	1.9	6.9	05/08/07		UF	CS	GU07050CDV5801	HEXP	HMX	2691-41-0		8.12	0.104	µg/L	2		J+	LC2	N	SW-846:8321A_MOD	GELC					1825	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02658	SINGLE	1.9	1.9	6.9	05/08/07		UF	CS	GU07050CDV5801	HEXP	RDX	121-82-4		3.14	0.13	µg/L	2		J	LMS1	N	SW-846:8321A_MOD	GELC			0.611196	5.14				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	SINGLE	1.7	1.7	6.7	05/08/07	FD	UF	CS	GU07050CDV5920	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0		2.1	0.13	µg/L	2		J-, J+	LIS1, LC2	N	SW-846:8321A_MOD	GELC								
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	SINGLE	1.7	1.7	6.7	05/08/07	FD	UF	CS	GU07050CDV5920	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2		1.96	0.117	µg/L	2		J-, J+	LC2, LIS1	N	SW-846:8321A_MOD	GELC								
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	SINGLE	1.7	1.7	6.7	05/08/07	FD	UF	CS	GU07050CDV5920	HEXP	HMX	2691-41-0		37.3	1.04	µg/L	20		J, J+	LMS1, LC2	N	SW-846:8321A_MOD	GELC					1825	0.02		

Hdr 1	Zone	Location Name	Well Class	Port Depth	Top Depth	Bottom Depth	Start Date Time	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id	Anyl Suite Code	Analyte Desc	Analyte	Symbol	Std Result	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	Anyl Meth Code	Lab Code	EPA PRIM DW STD Scr Lvl	EPA PRIM DW STD Ratio (Result/Scr Level)	EPA TAP SCRN LVL Scr Lvl Risk Code = cancer	EPA TAP SCRN LVL Ratio (Result/Scr Level) Risk Code = cancer	EPA TAP SCRN LVL Scr Lvl Risk Code = noncancer	EPA TAP SCRN LVL Ratio (Result/Scr Level) Risk Code = noncancer	NM GW LIM Scr Lvl	NM GW LIM Ratio (Result/Scr Level)
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	SINGLE	1.7	1.7	6.7	05/08/07	FD	UF	CS	GU07050CDV5920	HEXP	RDX	121-82-4		35.7	1.3	µg/L	20		J, J+	LMS1, LC2	N	SW-846:8321A_MOD	GELC			0.611196	58.41				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	SINGLE	1.7	1.7	6.7	05/08/07		UF	CS	GU07050CDV5901	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0		2.04	0.13	µg/L	2		J-, J+	LIS1, LC2	N	SW-846:8321A_MOD	GELC								
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	SINGLE	1.7	1.7	6.7	05/08/07		UF	CS	GU07050CDV5901	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2		1.91	0.117	µg/L	2		J-, J+	LC2, LIS1	N	SW-846:8321A_MOD	GELC								
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	SINGLE	1.7	1.7	6.7	05/08/07		UF	CS	GU07050CDV5901	HEXP	HMX	2691-41-0		35.7	1.04	µg/L	20		J+, J	LMS1, LC2	N	SW-846:8321A_MOD	GELC					1825	0.02		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	CDV-16-02659	SINGLE	1.7	1.7	6.7	05/08/07		UF	CS	GU07050CDV5901	HEXP	RDX	121-82-4		34.3	1.3	µg/L	20		J+, J	LC2, LMS1	N	SW-846:8321A_MOD	GELC			0.611196	56.12				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06294	SINGLE	2.5	2.5	7.3	05/10/07		UF	CS	GU07050MSC9401	HEXP	HMX	2691-41-0		0.12	0.104	µg/L	2	J	J+, J-	LC2, LIS1	N	SW-846:8321A_MOD	GELC					1825	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06294	SINGLE	2.5	2.5	7.3	05/10/07		UF	CS	GU07050MSC9401	VOA	Acetone	67-64-1		1.44	1.25	µg/L	1	J	J-	VWQ9, VWQ3	N	SW-846:8260B	GELC					5475	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	SINGLE	1.5	1.5	6.5	05/11/07		UF	CS	GU07050MSC9501	HEXP	HMX	2691-41-0		0.957	0.104	µg/L	2				N	SW-846:8321A_MOD	GELC					1825	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Alluvial	MSC-16-06295	SINGLE	1.5	1.5	6.5	05/11/07		UF	CS	GU07050MSC9501	VOA	Acetone	67-64-1		10.1	1.25	µg/L	1		J-	VWQ9, VWQ3	N	SW-846:8260B	GELC					5475	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	SPRING	0			05/10/07		UF	CS	GU070500GPTR01	HEXP	HMX	2691-41-0		0.439	0.104	µg/L	2		J-	LIS1	N	SW-846:8321A_MOD	GELC					1825	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	SPRING	0			05/10/07		UF	CS	GU070500GPTR01	HEXP	RDX	121-82-4		0.178	0.13	µg/L	2	J	J-, J	LMS4, LIS1	N	SW-846:8321A_MOD	GELC			0.611196	0.29				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Peter Spring	SPRING	0			05/10/07		UF	CS	GU070500GPTR01	VOA	Trichloroethene	79-01-6		0.264	0.25	µg/L	1	J			N	SW-846:8260B	GELC	5	0.05	0.165712	1.59			100	0
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	SWSC Spring	SPRING	0			05/10/07		UF	CS	GU07050SWSCS01	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0		0.562	0.13	µg/L	2		J-	LIS1	N	SW-846:8321A_MOD	GELC								
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	SWSC Spring	SPRING	0			05/10/07		UF	CS	GU07050SWSCS01	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2		0.453	0.117	µg/L	2		J-	LIS1	N	SW-846:8321A_MOD	GELC								

Hdr 1	Zone	Location Name	Well Class	Port Depth	Top Depth	Bottom Depth	Start Date Time	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id	Anyl Suite Code	Analyte Desc	Analyte	Symbol	Std Result	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	Anyl Meth Code	Lab Code	EPA PRIM DW STD Scr Lvl	EPA PRIM DW STD Ratio (Result/Scr Level)	EPA TAP SCRN LVL Scr Lvl Risk Code = cancer	EPA TAP SCRN LVL Ratio (Result/Scr Level) Risk Code = cancer	EPA TAP SCRN LVL Scr Lvl Risk Code = noncancer	EPA TAP SCRN LVL Ratio (Result/Scr Level) Risk Code = noncancer	NM GW LIM Scr Lvl	NM GW LIM Ratio (Result/Scr Level)
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	SWSC Spring	SPRING	0			05/10/07		UF	CS	GU07050SWSCS01	HEXP	HMX	2691-41-0		2.2	0.104	µg/L	2		J-	LIS1	N	SW-846:8321A_MOD	GELC					1825	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	SWSC Spring	SPRING	0			05/10/07		UF	CS	GU07050SWSCS01	HEXP	RDX	121-82-4		27.2	1.3	µg/L	20		J	LMS1	N	SW-846:8321A_MOD	GELC			0.611196	44.5				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	SWSC Spring	SPRING	0			05/10/07		UF	CS	GU07050SWSCS01	HEXP	Trinitrobenzene[1,3,5-]	99-35-4		0.205	0.104	µg/L	2	J	J-	LIS1	N	SW-846:8321A_MOD	GELC					1095	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	SWSC Spring	SPRING	0			05/10/07		UF	CS	GU07050SWSCS01	HEXP	Trinitrotoluene[2,4,6-]	118-96-7		0.165	0.0779	µg/L	2	J	J-	LIS1	N	SW-846:8321A_MOD	GELC			2.241051	0.07				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	SWSC Spring	SPRING	0			05/10/07		UF	CS	GU07050SWSCS01	VOA	Tetrachloroethene	127-18-4		1.33	0.25	µg/L	1				N	SW-846:8260B	GELC	5	0.27	0.124435	10.69			20	0.07
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	SWSC Spring	SPRING	0			05/10/07		UF	CS	GU07050SWSCS01	VOA	Trichloroethene	79-01-6		1.17	0.25	µg/L	1				N	SW-846:8260B	GELC	5	0.23	0.165712	7.06			100	0.01
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	SPRING	0			05/11/07		UF	CS	GU070500SFLS01	HEXP	HMX	2691-41-0		10.2	0.104	µg/L	2		J+	LC2	N	SW-846:8321A_MOD	GELC					1825	0.01		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	SPRING	0			05/11/07		UF	CS	GU070500SFLS01	HEXP	RDX	121-82-4		0.304	0.13	µg/L	2	J	J, J+	LC2, LMS1	N	SW-846:8321A_MOD	GELC			0.611196	0.5				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate Spring	Fish Ladder Spring	SPRING	0			05/11/07		UF	CS	GU070500SFLS01	VOA	Acetone	67-64-1		4.3	1.25	µg/L	1	J	J-	VWQ9, VWQ3	N	SW-846:8260B	GELC					5475	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	MULTI	754.8	737.6	758.4	05/09/07		UF	CS	GU07050G25R101	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0		3.82	0.13	µg/L	2				N	SW-846:8321A_MOD	GELC								
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	MULTI	754.8	737.6	758.4	05/09/07		UF	CS	GU07050G25R101	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2		3.14	0.117	µg/L	2				N	SW-846:8321A_MOD	GELC								
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	MULTI	754.8	737.6	758.4	05/09/07		UF	CS	GU07050G25R101	HEXP	Dinitrotoluene[2,4-]	121-14-2		1.15	0.13	µg/L	2				N	SW-846:8321A_MOD	GELC					73	0.02		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	MULTI	754.8	737.6	758.4	05/09/07		UF	CS	GU07050G25R101	HEXP	HMX	2691-41-0		9.56	0.104	µg/L	2				N	SW-846:8321A_MOD	GELC					1825	0.01		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	MULTI	754.8	737.6	758.4	05/09/07		UF	CS	GU07050G25R101	HEXP	Nitrotoluene[2-]	88-72-2		0.217	0.143	µg/L	2	J			N	SW-846:8321A_MOD	GELC			0.292311	0.74				

Hdr 1	Zone	Location Name	Well Class	Port Depth	Top Depth	Bottom Depth	Start Date Time	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id	Anyl Suite Code	Analyte Desc	Analyte	Symbol	Std Result	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	Anyl Meth Code	Lab Code	EPA PRIM DW STD Scr Lvl	EPA PRIM DW STD Ratio (Result/Scr Level)	EPA TAP SCRN LVL Scr Lvl Risk Code = cancer	EPA TAP SCRN LVL Ratio (Result/Scr Level) Risk Code = cancer	EPA TAP SCRN LVL Scr Lvl Risk Code = noncancer	EPA TAP SCRN LVL Ratio (Result/Scr Level) Risk Code = noncancer	NM GW LIM Scr Lvl	NM GW LIM Ratio (Result/Scr Level)
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	MULTI	754.8	737.6	758.4	05/09/07		UF	CS	GU07050G25R101	HEXP	RDX	121-82-4		56.7	0.649	µg/L	10		J, J+	LC2, LRP1, LMS1	N	SW-846:8321A_MOD	GELC			0.611196	92.77				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	MULTI	754.8	737.6	758.4	05/09/07		UF	CS	GU07050G25R101	HEXP	Trinitrobenzene[1,3,5-]	99-35-4		0.877	0.104	µg/L	2				N	SW-846:8321A_MOD	GELC					1095	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	MULTI	754.8	737.6	758.4	05/09/07		UF	CS	GU07050G25R101	HEXP	Trinitrotoluene[2,4,6-]	118-96-7		8.68	0.0779	µg/L	2				N	SW-846:8321A_MOD	GELC			2.241051	3.87				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	MULTI	891.8	882.6	893.4	05/09/07		UF	CS	GU07050G25R201	HEXP	HMX	2691-41-0		2.04	0.104	µg/L	2		J+	LC2	N	SW-846:8321A_MOD	GELC					1825	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	MULTI	891.8	882.6	893.4	05/09/07		UF	CS	GU07050G25R201	HEXP	RDX	121-82-4		3.43	0.13	µg/L	2		J+, J	LC2, LMS1	N	SW-846:8321A_MOD	GELC			0.611196	5.61				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	MULTI	1192.4	1184.6	1194.6	05/14/07		UF	CS	GU07050G25R401	HEXP	RDX	121-82-4		9.96	0.13	µg/L	2		J+	LIV2	N	SW-846:8321A_MOD	GELC			0.611196	16.3				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	MULTI	1192.4	1184.6	1194.6	05/14/07		UF	CS	GU07050G25R401	VOA	Carbon Disulfide	75-15-0		1.36	1.25	µg/L	1	J			N	SW-846:8260B	GELC					1042.857	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	MULTI	1192.4	1184.6	1194.6	05/14/07		UF	CS	GU07050G25R401	VOA	Tetrachloroethene	127-18-4		1.21	0.25	µg/L	1				N	SW-846:8260B	GELC	5	0.24	0.124435	9.72			20	0.06
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	R-25	MULTI	1192.4	1184.6	1194.6	05/14/07		UF	CS	GU07050G25R401	VOA	Trichloroethene	79-01-6		0.798	0.25	µg/L	1	J			N	SW-846:8260B	GELC	5	0.16	0.165712	4.82			100	0.01
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	SINGLE	850	850	859.7	05/10/07	FB	UF	CS	GU07050162IR01-FB	VOA	Acetone	67-64-1		19.2	1.25	µg/L	1		J-	VWQ9, VWQ3	N	SW-846:8260B	GELC					5475	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	SINGLE	850	850	859.7	05/10/07	FB	UF	CS	GU07050162IR01-FB	VOA	Butanone[2-]	78-93-3		3.72	1.25	µg/L	1	J	J-	VWQ9	N	SW-846:8260B	GELC					7064.516	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	SINGLE	850	850	859.7	05/10/07		UF	CS	GU07050162IR01	HEXP	HMX	2691-41-0		0.269	0.104	µg/L	2	J	J+	LC2	N	SW-846:8321A_MOD	GELC					1825	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	SINGLE	850	850	859.7	05/10/07		UF	CS	GU07050162IR01	HEXP	RDX	121-82-4		67.7	1.3	µg/L	20		J+, J, J-	LIS1, LC2, LMS1	N	SW-846:8321A_MOD	GELC			0.611196	110.77				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	SINGLE	850	850	859.7	05/10/07		UF	CS	GU07050162IR01	VOA	Tetrachloroethene	127-18-4		0.487	0.25	µg/L	1	J			N	SW-846:8260B	GELC	5	0.1	0.124435	3.91			20	0.02

Hdr 1	Zone	Location Name	Well Class	Port Depth	Top Depth	Bottom Depth	Start Date Time	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id	Anyl Suite Code	Analyte Desc	Analyte	Symbol	Std Result	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	Anyl Meth Code	Lab Code	EPA PRIM DW STD Scr Lvl	EPA PRIM DW STD Ratio (Result/Scr Level)	EPA TAP SCRN LVL Scr Lvl Risk Code = cancer	EPA TAP SCRN LVL Ratio (Result/Scr Level) Risk Code = cancer	EPA TAP SCRN LVL Scr Lvl Risk Code = noncancer	EPA TAP SCRN LVL Ratio (Result/Scr Level) Risk Code = noncancer	NM GW LIM Scr Lvl	NM GW LIM Ratio (Result/Scr Level)
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	SINGLE	850	850	859.7	05/10/07		UF	CS	GU07050162IR01	VOA	Toluene	108-88-3		1.57	0.25	µg/L	1				N	SW-846:8260B	GELC	1000	0			2281.25	0	750	0
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Intermediate	CdV-16-2(i)r	SINGLE	850	850	859.7	05/10/07		UF	CS	GU07050162IR01	VOA	Trichloroethene	79-01-6		0.293	0.25	µg/L	1	J			N	SW-846:8260B	GELC	5	0.06	0.165712	1.77			100	0
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	MULTI	1303.4	1294.7	1304.7	05/09/07		UF	CS	GU07050G25R501	HEXP	HMX	2691-41-0		0.335	0.104	µg/L	2				N	SW-846:8321A_MOD	GELC					1825	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	MULTI	1303.4	1294.7	1304.7	05/09/07		UF	CS	GU07050G25R501	HEXP	RDX	121-82-4		0.196	0.13	µg/L	2	J	J, J+	LC2, LMS1	N	SW-846:8321A_MOD	GELC			0.611196	0.32				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	MULTI	1406.3	1404.7	1414.7	05/10/07		UF	CS	GU07050G25R601	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0		0.161	0.13	µg/L	2	J	J+	LIV2	N	SW-846:8321A_MOD	GELC								
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	MULTI	1406.3	1404.7	1414.7	05/10/07		UF	CS	GU07050G25R601	HEXP	HMX	2691-41-0		0.17	0.104	µg/L	2	J	J+	LC2	N	SW-846:8321A_MOD	GELC					1825	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	MULTI	1406.3	1404.7	1414.7	05/10/07		UF	CS	GU07050G25R601	HEXP	RDX	121-82-4		0.714	0.13	µg/L	2		J+, J	LMS1, LC2	N	SW-846:8321A_MOD	GELC			0.611196	1.17				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	MULTI	1606	1604.7	1614.7	05/10/07		UF	CS	GU07050G25R701	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2		0.122	0.117	µg/L	2	J	J+	LC2	N	SW-846:8321A_MOD	GELC								
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	MULTI	1606	1604.7	1614.7	05/10/07		UF	CS	GU07050G25R701	HEXP	RDX	121-82-4		0.17	0.13	µg/L	2	J	J+, J	LMS1, LC2	N	SW-846:8321A_MOD	GELC			0.611196	0.28				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	MULTI	1606	1604.7	1614.7	05/10/07		UF	CS	GU07050G25R701	HEXP	Trinitrotoluene[2,4,6-]	118-96-7		0.162	0.0779	µg/L	2	J			N	SW-846:8321A_MOD	GELC			2.241051	0.07				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	MULTI	1796	1794.7	1804.7	05/11/07		UF	CS	GU07050G25R801	HEXP	Amino-2,6-dinitrotoluene[4-]	19406-51-0		0.165	0.13	µg/L	2	J			N	SW-846:8321A_MOD	GELC								
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	MULTI	1796	1794.7	1804.7	05/11/07		UF	CS	GU07050G25R801	HEXP	Amino-4,6-dinitrotoluene[2-]	35572-78-2		0.133	0.117	µg/L	2	J			N	SW-846:8321A_MOD	GELC								
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	MULTI	1796	1794.7	1804.7	05/11/07		UF	CS	GU07050G25R801	HEXP	RDX	121-82-4		0.146	0.13	µg/L	2	J	J+	LIV2	N	SW-846:8321A_MOD	GELC			0.611196	0.24				
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-25	MULTI	1796	1794.7	1804.7	05/11/07		UF	CS	GU07050G25R801	HEXP	Trinitrotoluene[2,4,6-]	118-96-7		0.106	0.0779	µg/L	2	J			N	SW-846:8321A_MOD	GELC			2.241051	0.05				

Hdr 1	Zone	Location Name	Well Class	Port Depth	Top Depth	Bottom Depth	Start Date Time	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Sample Id	Anyl Suite Code	Analyte Desc	Analyte	Symbol	Std Result	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	Anyl Meth Code	Lab Code	EPA PRIM DW STD Scr Lvl	EPA PRIM DW STD Ratio (Result/Scr Level)	EPA TAP SCRN LVL Scr Lvl Risk Code = cancer	EPA TAP SCRN LVL Ratio (Result/Scr Level) Risk Code = cancer	EPA TAP SCRN LVL Scr Lvl Risk Code = noncancer	EPA TAP SCRN LVL Ratio (Result/Scr Level) Risk Code = noncancer	NM GW LIM Scr Lvl	NM GW LIM Ratio (Result/Scr Level)
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	CdV-R-15-3	MULTI	1350.1	1348.4	1355.3	05/09/07		UF	CS	GU07050G153501	VOA	Acetone	67-64-1		10.7	1.25	µg/L	1		J+	VWQ11, VWQ9	N	SW-846:8260B	GELC					5475	0		
Water Canyon (includes Canyon del Valle, Potrillo, and Fence Canyons)	Regional	R-27	SINGLE	852	852	875	05/11/07		UF	CS	GU070500GR2701	VOA	Acetone	67-64-1		1.68	1.25	µg/L	1	J	J-	VWQ3, VWQ9	N	SW-846:8260B	GELC					5475	0		
White Rock Canyon and Rio Grande	Regional Spring	Spring 3	SPRING	0			04/30/07		UF	CS	GU070400G3SW01	VOA	Butanone[2-]	78-93-3		3.29	1.25	µg/L	1	J			N	SW-846:8260B	GELC					7064.516	0		
White Rock Canyon and Rio Grande	Regional Spring	Spring 4C	SPRING	0			05/01/07		UF	CS	GU070400GC4S01	VOA	Butanone[2-]	78-93-3		7.95	1.25	µg/L	1				N	SW-846:8260B	GELC					7064.516	0		
White Rock Canyon and Rio Grande	Regional Spring	Spring 5	SPRING	0			05/01/07		UF	CS	GU070400G5SW01	VOA	Butanone[2-]	78-93-3		6.08	1.25	µg/L	1				N	SW-846:8260B	GELC					7064.516	0		

San Ildefonso Data - General Inorganic Compounds

Analyte	Hdr 1	Zone	Location Name	Well Class	Port Depth	Top Depth	Bottom Depth	Start Date Time	Fld Prep Code	Fld Qc Type Code	Lab Sample Type Code	Symbol	Std Result	Std Uncert	Std Mdl	Std Uom	Lab Code	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	EPA PRIM DW STD Scr Lvl	EPA PRIM DW STD Ratio (Result/Scr level)	NM GW LIM Scr Lvl	NM GW LIM Ratio (Result/Scr Level)
Cl(-1)	White Rock Canyon and Rio Grande	Water Supply	Westside Artesian Well	SINGLE	-1			08/17/06	F		CS		346		1.7	mg/L	GELC				N			250	1.38
Cl(-1)	White Rock Canyon and Rio Grande	Water Supply	Westside Artesian Well	SINGLE	-1			08/17/06	UF		CS		349		1.7	mg/L	GELC				N			250	1.4
F(-1)	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			07/07/06	F		CS		0.855		0	mg/L	GELC				N			1.6	0.53
F(-1)	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			07/07/06	UF		CS		0.861		0	mg/L	GELC				N			1.6	0.54
F(-1)	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			10/31/06	F		CS		0.901		0	mg/L	GELC				N			1.6	0.56
F(-1)	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			10/31/06	UF		CS		0.896		0	mg/L	GELC				N			1.6	0.56
F(-1)	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			03/12/07	F		CS		0.892		0	mg/L	GELC				N			1.6	0.56
F(-1)	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	SPRING	0			09/18/06	F		CS		1.14		0	mg/L	GELC				N			1.6	0.71
F(-1)	White Rock Canyon and Rio Grande	Regional Spring	Spring 2	SPRING	0			09/18/06	UF		CS		1.16		0	mg/L	GELC				N			1.6	0.73
F(-1)	White Rock Canyon and Rio Grande	Water Supply	Westside Artesian Well	SINGLE	-1			08/17/06	F		CS		4.72		0	mg/L	GELC				N	4	1.18	1.6	2.95
F(-1)	White Rock Canyon and Rio Grande	Water Supply	Westside Artesian Well	SINGLE	-1			08/17/06	UF		CS		4.79		0	mg/L	GELC				N	4	1.2	1.6	2.99
F(-1)	White Rock Canyon and Rio Grande	Water Supply	Eastside Artesian Well	SINGLE	-1			08/18/06	UF		CS		0.8		0	mg/L	GELC				N			1.6	0.5
NO3+NO2-N	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Alluvial	LLAO-1b	SINGLE	11.32	11.32	21.32	08/09/06	F		CS		6.1		0.1	mg/L	GELC		J	I13b, I14b	N	10	0.61	10	0.61
NO3+NO2-N	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Alluvial	LLAO-1b	SINGLE	11.32	11.32	21.32	08/09/06	UF		CS		9.73		0.1	mg/L	GELC				N	10	0.97	10	0.97
NO3+NO2-N	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Basalt Spring	SPRING	0			08/08/06	F		CS		9.12		0.1	mg/L	GELC				N	10	0.91	10	0.91
NO3+NO2-N	Lower Los Alamos Canyon (San Ildefonso Pueblo)	Intermediate Spring	Basalt Spring	SPRING	0			08/08/06	UF		CS		8.78		0.1	mg/L	GELC				N	10	0.88	10	0.88
NO3+NO2-N	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			07/07/06	F		CS		8.97		0.1	mg/L	GELC		J	I14b, I13b	N	10	0.9	10	0.9
NO3+NO2-N	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			07/07/06	UF		CS		8.9		0.1	mg/L	GELC		J	I13b, I14b	N	10	0.89	10	0.89
NO3+NO2-N	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			03/12/07	F		CS		14.4		0.2	mg/L	GELC				N	10	1.44	10	1.44

Analyte	Hdr 1	Zone	Location Name	Well Class	Port Depth	Top Depth	Bottom Depth	Start Date Time	Fld Prep Code	Fld Qc Type Code	Lab Sample Type Code	Symbol	Std Result	Std Uncert	Std Mdl	Std Uom	Lab Code	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	EPA PRIM DW STD Scr Lvl	EPA PRIM DW STD Ratio (Result/Scr level)	NM GW LIM Scr Lvl	NM GW LIM Ratio (Result/Scr Level)
TDS	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			07/07/06	F		CS		575		2.4	mg/L	GELC				N			1000	0.58
TDS	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			07/07/06	F		CS		573		2.4	mg/L	GELC				N			1000	0.57
TDS	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			10/31/06	F		CS		534		2.4	mg/L	GELC				N			1000	0.53
TDS	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			10/31/06	F		CS		545		2.4	mg/L	GELC				N			1000	0.55
TDS	Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			03/12/07	F		CS		563		2.4	mg/L	GELC				N			1000	0.56
TDS	White Rock Canyon and Rio Grande	Water Supply	Westside Artesian Well	SINGLE	-1			08/17/06	F		CS		1140		2.4	mg/L	GELC				N			1000	1.14
TDS	White Rock Canyon and Rio Grande	Water Supply	Westside Artesian Well	SINGLE	-1			08/17/06	F		CS		1150		2.4	mg/L	GELC				N			1000	1.15

San Ildefonso Data – Metals

Hdr 1	Zone	Location Name	Well Class	Port Depth	Top Depth	Bottom Depth	Start Date Time	Analyte	Fld Prep Code	Lab Sample Type Code	Fld Qc Type Code	Symbol	Std Result	Std Mdl	Std Uom	Anyl Meth Code	Lab Code	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	EPA PRIM DW STD Scr Lvl	EPA PRIM DW STD Ratio (Result/Scr Level)	NM GW LIM Scr Lvl	NM GW LIM Ratio (Result/Scr Level)
White Rock Canyon and Rio Grande	Regional Spring	Sacred Spring	SPRING	0			09/14/06	Mn	F	CS			124	2	µg/L	SW-846:6010B	GELC				N			200	0.62
White Rock Canyon and Rio Grande	Regional Spring	Spring 2	SPRING	0			09/18/06	As	F	CS			27.8	6	µg/L	SW-846:6010B	GELC				N	10	2.78		
White Rock Canyon and Rio Grande	Regional Spring	Spring 2	SPRING	0			09/18/06	As	UF	CS			26.6	6	µg/L	SW-846:6010B	GELC				N	10	2.66		
White Rock Canyon and Rio Grande	Water Supply	Westside Artesian Well	SINGLE	-1			08/17/06	As	UF	CS			6.1	6	µg/L	SW-846:6010B	GELC	J			N	10	0.61		
White Rock Canyon and Rio Grande	Water Supply	Westside Artesian Well	SINGLE	-1			08/17/06	B	F	CS			1570	10	µg/L	SW-846:6010B	GELC				N			750	2.09
White Rock Canyon and Rio Grande	Water Supply	J. Martinez House Well	SINGLE	-1			08/18/06	As	F	CS			7.7	6	µg/L	SW-846:6010B	GELC	J			N	10	0.77		
White Rock Canyon and Rio Grande	Water Supply	J. Martinez House Well	SINGLE	-1			08/18/06	As	UF	CS			8.4	6	µg/L	SW-846:6010B	GELC	J			N	10	0.84		
White Rock Canyon and Rio Grande	Water Supply	Black Mesa Well	SINGLE	-1			08/17/06	As	F	CS			6.4	6	µg/L	SW-846:6010B	GELC	J			N	10	0.64		

San Ildefonso Data - Organic Compounds

Hdr 1	Zone	Location Name	Well Class	Port Depth	Top Depth	Bottom Depth	Start Date Time	Fld Qc Type Code	Fld Prep Code	Lab Sample Type Code	Anyl Suite Code	Analyte Desc	Analyte	Symbol	Std Result	Std Mdl	Std Uom	Dilution Factor	Lab Qual Code	Concat Flag Code	Concat Reason Code	Prelim Flag	Anyl Meth Code	Lab Code	EPA PRIM DW STD Scr Lvl	EPA PRIM DW STD Ratio (Result/Scr Level)	EPA TAP SCRN LVL Scr Lvl Risk Code = cancer	EPA TAP SCRN LVL Ratio (Result/Scr Level) Risk Code = cancer	NM GW LIM Scr Lvl	NM GW LIM Ratio (Result/Scr Level)
Guaje Canyon (includes Barrancas and Rendija Canyons)	Alluvial Spring	GU-0.01 Spring	SPRING	0			08/08/06		UF	CS	DIOX/FUR	Pentachlorodibenzofuran [2,3,4,7,8-]	57117-31-4		9.72E-07		µg/L	1				N	SW-846:8290	SGSW						
Guaje Canyon (includes Barrancas and Rendija Canyons)	Alluvial Spring	GU-0.01 Spring	SPRING	0			08/08/06		UF	CS	DIOX/FUR	Pentachlorodibenzofurans (Totals)	30402-15-4		2.07E-06		µg/L	1		J	SWQ5	N	SW-846:8290	SGSW						
Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			07/07/06	FTB	UF	CS	VOA	Acetone	67-64-1		1.67	1.25	µg/L	1	J	J-	VWQ9	N	SW-846:8260B	GELC			5475	0		
Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			07/07/06	FTB	UF	CS	VOA	Toluene	108-88-3		0.485	0.25	µg/L	1	J			N	SW-846:8260B	GELC	1000	0	2281.25	0	750	0
Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			07/07/06		UF	CS	DIOX/FUR	Hexachlorodibenzofurans (Total)	55684-94-1		1.71E-06		µg/L	1				N	SW-846:8290	SGSW						
Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			03/12/07		UF	CS	VOA	Butanone[2-]	78-93-3		2.24	1.25	µg/L	1	J	J+	VWQ9	N	SW-846:8260B	GELC			7064.516	0		
Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Intermediate Spring	Pine Rock Spring	SPRING	0			03/12/07		UF	CS	VOA	Toluene	108-88-3		0.33	0.25	µg/L	1	J			N	SW-846:8260B	GELC	1000	0	2281.25	0	750	0
Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-34	SINGLE	895.15	883.7	906.6	07/17/06		UF	CS	DIOX/FUR	Octachlorodibenzofuran [1,2,3,4,6,7,8,9-]	39001-02-0		4.52E-06		µg/L	1				N	SW-846:8290	SGSW						
Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-34	SINGLE	895.15	883.7	906.6	10/30/06	FB	UF	CS	VOA	Acetone	67-64-1		1.96	1.25	µg/L	1	J	J+	VWQ9, VWQ11	N	SW-846:8260B	GELC			5475	0		
Mortandad Canyon (includes Ten Site Canyon and Canada del Buey)	Regional	R-34	SINGLE	895.15	883.7	906.6	03/13/07		UF	CS	VOA	Acetone	67-64-1		2.96	1.25	µg/L	1	J	J+	VWQ9	N	SW-846:8260B	GELC			5475	0		
White Rock Canyon and Rio Grande	Regional Spring	Spring 1	SPRING	0			09/18/06		UF	CS	VOA	Acetone	67-64-1		2.42	1.25	µg/L	1	J			N	SW-846:8260B	GELC			5475	0		
White Rock Canyon and Rio Grande	Regional Spring	Spring 1	SPRING	0			09/18/06		UF	CS	VOA	Toluene	108-88-3		0.383	0.25	µg/L	1	J			N	SW-846:8260B	GELC	1000	0	2281.25	0	750	0
White Rock Canyon and Rio Grande	Regional Spring	Spring 2	SPRING	0			09/18/06		UF	CS	VOA	Acetone	67-64-1		3.27	1.25	µg/L	1	J			N	SW-846:8260B	GELC			5475	0		
White Rock Canyon and Rio Grande	Regional Spring	Sandia Spring	SPRING	0			09/14/06	FB	UF	CS	VOA	Acetone	67-64-1		20.4	1.25	µg/L	1		J-	VWQ9	N	SW-846:8260B	GELC			5475	0		
White Rock Canyon and Rio Grande	Regional Spring	Sandia Spring	SPRING	0			09/14/06	FB	UF	CS	VOA	Butanone[2-]	78-93-3		7.49	1.25	µg/L	1				N	SW-846:8260B	GELC			7064.516	0		
White Rock Canyon and Rio Grande	Regional Spring	Sandia Spring	SPRING	0			09/14/06	FB	UF	CS	VOA	Hexanone[2-]	591-78-6		8.94	1.25	µg/L	1				N	SW-846:8260B	GELC						
White Rock Canyon and Rio Grande	Water Supply	Westside Artesian Well	SINGLE	-1			08/17/06		UF	CS	VOA	Acetone	67-64-1		1.55	1.25	µg/L	1	J			N	SW-846:8260B	GELC			5475	0		
White Rock Canyon and Rio Grande	Water Supply	Black Mesa Well	SINGLE	-1			08/17/06		UF	CS	VOA	Acetone	67-64-1		2.19	1.25	µg/L	1	J			N	SW-846:8260B	GELC			5475	0		
White Rock Canyon and Rio Grande	Water Supply	Eastside Artesian Well	SINGLE	-1			08/18/06		UF	CS	VOA	Acetone	67-64-1		1.71	1.25	µg/L	1	J			N	SW-846:8260B	GELC			5475	0		