Environmental Restoration
University of California
Environmental Restoration Project, MS M992
Los Alamos, New Mexico 87545
505-667-0808/FAX 505-665-4747

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U.S. Department of Energy
Los Alamos Area Office, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
505-667-7203/FAX 505-665-4504

Date: December 23, 1998
Refer to: EM/ER:98-485

Dr. Robert S. Dinwiddie
NMED-HRMB
P.O. Box 26110
Santa Fe, NM 87501

LIBRARY COPY

SUBJECT: WATER DATA TABLES

Dear Dr. Dinwiddie:

Enclosed please find our submittal of the existing water data tables for the following sites.

- Pueblo Canyon, DP/Los Alamos Canyon,
- Pajarito/Two Mile Canyon Technical Areas (TA's) 6, 9, 22 and 40),
- Canon de Valle (16-260 Outfall Area),
- Water Canyon (TA-36), and
- Regional Aquifer Boreholes (R-9 and R-12)

The attached set of data tables presents the results for sampling of surface water, springs, alluvial wells and regional boreholes at the locations listed above. The sample data presented in these tables were collected by the Environmental Restoraton Project for the Resource Conservation and Recovery Act facility investigations (RFI) and for Geohydrologic Workplan requirements.

Both filtered and unfiltered water samples were collected and analyzed over a period ranging from 1994 through 1998. The data tables are organized by the type of water sampled, springs, alluvial ground water, borehole and flowing surface water; and by major analytical suites (inorganic, water quality parameters, organic and radiochemical). Additional data fields (water quality standard, watershed, flow rates for surface water/springs and water levels for wells) were also included as discussed in your October 16, 1998 letter which approved the format of this submittal.

Two other attachments complimenting the data tables are also included in this submittal. Attachment 2 summarizes the analytical methods employed for the various samples collected. Attachment 3 contains maps showing sampling locations. We hope you will find these data tables and attachments to be useful for you and your staff.

13231

If you have any questions, please call Dave McInroy at (505) 667-0819 or Joe Mose at (505) 667-5808.

Sincerely,

Julie A. Canepa, Program Manager
LANL/ER Project

Sincerely,

Theodore J. Taylor, Program Manager
DOE/LAAO

JC/TT/SV/bj

Enclosures:
(1) Water Data Tables
(2) Summary of Analytical Methods
(3) Maps of Sampling Locations

Cy (w/ encs.):
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Los Alamos National Laboratory
Environmental Restoration Project

Cañon de Valle / TA-16-260 Outfall Water Data Set

December 22, 1998

Canon de Valle Spring Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Estimated Flow Rate[c] (cfs)	Aluminum (mg/L)		Antimony (mg/L)		Arsenic (mg/L)		Barium (mg/L)		Beryllium (mg/L)		Cadmium (mg/L)	
NM Livestock Watering Standard[d]							5.0		n.s.		0.2		n.s.		n.s.		0.05	
NM Wildlife Habitat Standard[e]							n.s.[g]		n.s.		n.s.		n.s.		n.s.		n.s.	
NM Ground Water Standard[f]							5.0		n.s.		0.1		1.0		n.s.		0.01	
Martin Spring																		
16-2650	0316-96-3002	Unfiltered	12/20/96	WGS	Canon de Valle	NM[h]	0.413		0.05	U	0.002	U	0.171	J	0.004	U	0.005	U
16-2650	0316-97-3000	Filtered	3/31/97	WGS	Canon de Valle	0.002	2.25		0.0202	U	0.0023	U	0.16	J	0.00071	U	0.0034	U
16-2650	0316-97-3001	Unfiltered	3/31/97	WGS	Canon de Valle	0.002	3.08		0.0202	U	0.0023	U	0.161	J	0.0004	U	0.0034	U
16-2650	0316-97-3002	Filtered	3/31/97	WGS	Canon de Valle	0.002	3.58		0.001	U	NA		0.14		0.002	U	0.001	U
16-2650	0316-97-3009	Unfiltered	3/31/97	WGS	Canon de Valle	0.002	5.31		0.001	U	NA		0.15		0.002	U	0.001	U
16-2650	0316-97-3012	Filtered	6/27/97	WGS	Canon de Valle	0.001	0.173	J	0.0034	U	0.0026	U	0.166	J	0.00097	U	0.0004	U
16-2650	0316-97-3013	Unfiltered	6/27/97	WGS	Canon de Valle	0.001	0.299		0.0034	U	0.0026	U	0.167	J	0.00093	U	0.0004	U
16-2650	0316-97-3014	Filtered	6/27/97	WGS	Canon de Valle	0.001	NA[i]		NA		NA		NA		NA		NA	
16-2650	0316-97-3015	Unfiltered	6/27/97	WGS	Canon de Valle	0.001	NA		NA		NA		NA		NA		NA	
16-2650	0316-97-3101	Filtered	9/19/97	WGS	Canon de Valle	0.001	1.7		0.02	UJ	0.023		0.12		0.004	U	0.005	U
16-2650	0316-97-3111	Unfiltered	9/19/97	WGS	Canon de Valle	0.001	4		0.02	UJ	0.024		0.14		0.004	U	0.005	U
16-2650	0316-97-3185	Filtered	12/19/97	WGS	Canon de Valle	0	0.1	U	0.02	U	0.004	U	0.019		0.004	U	0.005	U
16-2650	0316-97-3186	Unfiltered	12/19/97	WGS	Canon de Valle	0	0.2		0.02	U	0.004	U	0.18		0.004	U	0.005	U
16-2650	RE16-98-3012	Filtered	3/30/98	WGS	Canon de Valle	NM	0.175		0.0034	U	0.0025	U	0.159		0.00068		0.0003	U
16-2650	RE16-98-3013	Unfiltered	3/30/98	WGS	Canon de Valle	NM	2.76		0.0034	U	0.003		0.181		0.001		0.0003	U
16-2650	RE16-98-3038	Filtered	6/25/98	WGS	Canon de Valle	NM	0.1	U	0.02	U	0.004	U	0.18		0.004	U	0.005	U
16-2650	RE16-98-3039	Unfiltered	6/25/98	WGS	Canon de Valle	NM	0.43		0.02	U	0.004	U	0.19		0.004	U	0.005	U

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, spring

(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(f) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(g) n.s. = no standard. A numerical standard is not available.

(h) NM = Not measured

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Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

Canon de Valle Spring Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Calcium (mg/L)		Chromium, Total (mg/L)		Cobalt (mg/L)		Copper (mg/L)		Iron (mg/L)		Lead (mg/L)		Magnesium (mg/L)	
NM Livestock Watering Standard[d]						n.s.		1.0		1.0		0.5		n.s.		0.1		n.s.	
NM Wildlife Habitat Standard[e]						n.s.		n.s.		n.s.		n.s.		n.s.		n.s.		n.s.	
NM Ground Water Standard[f]						n.s.		0.05		0.05		1.0		1.0		0.05		n.s.	
Martin Spring																			
16-2650	0316-96-3002	Unfiltered	12/20/96	WGS	Canon de Valle	25.9		0.01	U	0.01	U	0.005	U	0.199		0.0015	U	6.07	
16-2650	0316-97-3000	Filtered	3/31/97	WGS	Canon de Valle	22.9		0.0027	U	0.0027	U	0.0075	U	1.39		0.0015	U	5.81	
16-2650	0316-97-3001	Unfiltered	3/31/97	WGS	Canon de Valle	22.4		0.0031	J	0.0027	U	0.0075	U	1.93		0.0015	U	5.78	
16-2650	0316-97-3002	Filtered	3/31/97	WGS	Canon de Valle	22.3		0.003		0.002		0.005	U	1.51		0.002	U	5.69	
16-2650	0316-97-3009	Unfiltered	3/31/97	WGS	Canon de Valle	22.6		0.006		0.002	U	0.008		2.3		0.002	U	5.9	
16-2650	0316-97-3012	Filtered	6/27/97	WGS	Canon de Valle	27.9		0.0017	J	0.0009	U	0.0009	U	0.172		0.0016	U	6.37	
16-2650	0316-97-3013	Unfiltered	6/27/97	WGS	Canon de Valle	27.9		0.0022	J	0.0009	U	0.0009	U	0.253		0.0016	U	6.38	
16-2650	0316-97-3014	Filtered	6/27/97	WGS	Canon de Valle	28		NA		NA		NA		NA		NA		NA	
16-2650	0316-97-3015	Unfiltered	6/27/97	WGS	Canon de Valle	28.1		NA		NA		NA		NA		NA		NA	
16-2650	0316-97-3101	Filtered	9/19/97	WGS	Canon de Valle	19		0.01	U	0.02	U	0.02	U	0.88		0.002	J	4.2	
16-2650	0316-97-3111	Unfiltered	9/19/97	WGS	Canon de Valle	0.2	U	0.01	U	0.02	U	0.02	U	2.5		0.003	J	4.5	
16-2650	0316-97-3185	Filtered	12/19/97	WGS	Canon de Valle	30		0.01	U	0.02	U	0.02	U	0.04	U	0.001		6.9	U
16-2650	0316-97-3186	Unfiltered	12/19/97	WGS	Canon de Valle	30		0.01	U	0.02		0.02	U	0.01	U	0.002		6.8	
16-2650	RE16-98-3012	Filtered	3/30/98	WGS	Canon de Valle	25		0.0035		0.0008	U	0.00066		0.0634		0.0014	U	5.86	
16-2650	RE16-98-3013	Unfiltered	3/30/98	WGS	Canon de Valle	25.5		0.0042		0.0008	U	0.0021		2.18		0.0014	U	6.23	
16-2650	RE16-98-3038	Filtered	6/25/98	WGS	Canon de Valle	30		0.01	U	0.02	U	0.02	U	0.1	U	0.0013		6.8	U
16-2650	RE16-98-3039	Unfiltered	6/25/98	WGS	Canon de Valle	29		0.01	U	0.02	U	0.02	U	0.41		0.0013		6.7	U

NOTES:

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(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

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Canon de Valle Spring Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Manganese (mg/L)		Mercury (mg/L)		Nickel (mg/L)		Potassium (mg/L)		Selenium (mg/L)		Silver (mg/L)		Sodium (mg/L)	
NM Livestock Watering Standard[d]						n.s.		0.01		n.s.		n.s.		0.05		n.s.		n.s.	
NM Wildlife Habitat Standard[e]						n.s.		0.000012		n.s.		n.s.		0.002		n.s.		n.s.	
NM Ground Water Standard[f]						0.2		0.002		0.2		n.s.		0.05		0.05		n.s.	
Martin Spring																			
16-2650	0316-96-3002	Unfiltered	12/20/96	WGS	Canon de Valle	0.0025	U	0.0001	U	0.015		2.69	J	0.0025	U	0.005	U	32.5	
16-2650	0316-97-3000	Filtered	3/31/97	WGS	Canon de Valle	0.0077	J	0.0001	U	0.0087	U	2.36	J	0.0036	U	0.0036	U	27.3	
16-2650	0316-97-3001	Unfiltered	3/31/97	WGS	Canon de Valle	0.0103	J	0.0001	U	0.0087	U	3	J	0.0037	J	0.0036	U	26.6	
16-2650	0316-97-3002	Filtered	3/31/97	WGS	Canon de Valle	0.007		0.00005	U	0.002	U	3.23		0.001	U	0.001	U	26.6	
16-2650	0316-97-3009	Unfiltered	3/31/97	WGS	Canon de Valle	0.01		0.0005	U	0.002	U	3.22		0.01	U	0.001	U	26.5	
16-2650	0316-97-3012	Filtered	6/27/97	WGS	Canon de Valle	0.0013	J	0.00002	U	0.0016	U	2.81	J	0.0027	U	0.0012	U	32.5	
16-2650	0316-97-3013	Unfiltered	6/27/97	WGS	Canon de Valle	0.0017	J	0.00002	U	0.0017	U	2.86	J	0.0027	U	0.0012	U	32.4	
16-2650	0316-97-3014	Filtered	6/27/97	WGS	Canon de Valle	NA		NA		NA		2.84		NA		NA		32.5	
16-2650	0316-97-3015	Unfiltered	6/27/97	WGS	Canon de Valle	NA		NA		NA		2.91		NA		NA		32.7	
16-2650	0316-97-3101	Filtered	9/19/97	WGS	Canon de Valle	0.01	U	0.0002	U	0.04	U	2		0.004	UJ	0.01	U	16	
16-2650	0316-97-3111	Unfiltered	9/19/97	WGS	Canon de Valle	0.01		0.0002	U	0.04	U	2		0.004	UJ	0.01	U	16	U
16-2650	0316-97-3185	Filtered	12/19/97	WGS	Canon de Valle	0.01	U	0.0002	U	0.04	U	3		0.006	UJ	0.01	U	33	
16-2650	0316-97-3186	Unfiltered	12/19/97	WGS	Canon de Valle	0.01	U	0.0002	U	0.04	U	3		0.005	UJ	0.01	U	33	
16-2650	RE16-98-3012	Filtered	3/30/98	WGS	Canon de Valle	0.00066		0.00002	U	0.0011		3.07	J	0.0031	U	0.0009	U	28.7	
16-2650	RE16-98-3013	Unfiltered	3/30/98	WGS	Canon de Valle	0.014		0.00002	U	0.0017		3.52	J	0.0046		0.0009	U	29	
16-2650	RE16-98-3038	Filtered	6/25/98	WGS	Canon de Valle	0.01	U	0.0002	U	0.04	U	2.8		0.004	UJ	0.01	U	31	
16-2650	RE16-98-3039	Unfiltered	6/25/98	WGS	Canon de Valle	0.01	U	0.0002	U	0.04	U	2.7		0.004	UJ	0.01	U	30	

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, spring

(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

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The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

Canon de Valle Spring Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Thallium (mg/L)		Vanadium (mg/L)		Zinc (mg/L)	
NM Livestock Watering Standard[d]						n.s.		0.1		25	
NM Wildlife Habitat Standard[e]						n.s.		n.s.		n.s.	
NM Ground Water Standard[f]						n.s.		n.s.		10.0	
Martin Spring											
16-2650	0316-96-3002	Unfiltered	12/20/96	WGS	Canon de Valle	0.002	U	0.01	U	0.005	U
16-2650	0316-97-3000	Filtered	3/31/97	WGS	Canon de Valle	0.0041	J	0.0072	J	0.0122	U
16-2650	0316-97-3001	Unfiltered	3/31/97	WGS	Canon de Valle	0.0026	U	0.0078	J	0.0228	U
16-2650	0316-97-3002	Filtered	3/31/97	WGS	Canon de Valle	0.002	U	0.006		0.01	U
16-2650	0316-97-3009	Unfiltered	3/31/97	WGS	Canon de Valle	0.002	U	0.007		0.01	U
16-2650	0316-97-3012	Filtered	6/27/97	WGS	Canon de Valle	0.0085	U	0.0044	J	0.0009	U
16-2650	0316-97-3013	Unfiltered	6/27/97	WGS	Canon de Valle	0.0055	U	0.0051	J	0.0009	U
16-2650	0316-97-3014	Filtered	6/27/97	WGS	Canon de Valle	NA		NA		NA	
16-2650	0316-97-3015	Unfiltered	6/27/97	WGS	Canon de Valle	NA		NA		NA	
16-2650	0316-97-3101	Filtered	9/19/97	WGS	Canon de Valle	0.005	U	0.01	U	0.09	J
16-2650	0316-97-3111	Unfiltered	9/19/97	WGS	Canon de Valle	0.005	U	0.01	U	0.06	J
16-2650	0316-97-3185	Filtered	12/19/97	WGS	Canon de Valle	0.005	U	0.01	U	0.02	U
16-2650	0316-97-3186	Unfiltered	12/19/97	WGS	Canon de Valle	0.005	U	0.01	U	0.02	U
16-2650	RE16-98-3012	Filtered	3/30/98	WGS	Canon de Valle	0.006		0.0033		0.0008	U
16-2650	RE16-98-3013	Unfiltered	3/30/98	WGS	Canon de Valle	0.0076		0.0064		0.0069	
16-2650	RE16-98-3038	Filtered	6/25/98	WGS	Canon de Valle	0.005	U	0.01	U	0.02	U
16-2650	RE16-98-3039	Unfiltered	6/25/98	WGS	Canon de Valle	0.005	U	0.01	U	0.02	U

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, spring

(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

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Canon de Valle Spring Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Estimated Flow Rate[c] (cfs)	Aluminum (mg/L)		Antimony (mg/L)		Arsenic (mg/L)		Barium (mg/L)	Beryllium (mg/L)		Cadmium (mg/L)	
NM Livestock Watering Standard[d]							5.0		n.s.		0.2		n.s.	n.s.		0.05	
NM Wildlife Habitat Standard[e]							n.s.[g]		n.s.		n.s.		n.s.	n.s.		n.s.	
NM Ground Water Standard[f]							5.0		n.s.		0.1		1.0	n.s.		0.01	
SWSC Spring																	
16-2651	0316-96-3001	Unfiltered	12/20/96	WGS	Canon de Valle	NM	1.19		0.05	U	0.002	U	0.253	0.004	U	0.005	U
16-2651	0316-97-3003	Filtered	3/31/97	WGS	Canon de Valle	0.021	2.23		0.0202	U	0.0023	U	0.302	0.00055	U	0.0034	U
16-2651	0316-97-3004	Unfiltered	3/31/97	WGS	Canon de Valle	0.021	3.87		0.0202	U	0.0023	U	0.329	0.00044	U	0.0034	U
16-2651	0316-97-3005	Filtered	3/31/97	WGS	Canon de Valle	0.021	3.08		0.001	U	NA		0.28	0.002	U	0.001	U
16-2651	0316-97-3010	Unfiltered	3/31/97	WGS	Canon de Valle	0.021	5.9		0.001	U	NA		0.32	0.002	U	0.001	U
16-2651	0316-97-3020	Filtered	6/27/97	WGS	Canon de Valle	0.007	0.641		0.0034	U	0.0026	U	0.239	0.001	U	0.0004	U
16-2651	0316-97-3021	Unfiltered	6/27/97	WGS	Canon de Valle	0.007	1.08		0.0034	U	0.0026	U	0.246	0.001	U	0.0004	U
16-2651	0316-97-3022	Filtered	6/27/97	WGS	Canon de Valle	0.007	NA		NA		NA		NA	NA		NA	
16-2651	0316-97-3023	Unfiltered	6/27/97	WGS	Canon de Valle	0.007	NA		NA		NA		NA	NA		NA	
16-2651	0316-97-3108	Unfiltered	9/22/97	WGS	Canon de Valle	0.013	2.4		0.02	UJ	0.027		0.29	0.004	U	0.005	U
16-2651	0316-97-3109	Filtered	9/22/97	WGS	Canon de Valle	0.013	2		0.02	UJ	0.026		0.28	0.004	U	0.005	U
16-2651	0316-97-3187	Filtered	12/19/97	WGS	Canon de Valle	0.004	0.1	U	0.02	U	0.004	U	0.29	0.004	U	0.005	U
16-2651	0316-97-3188	Unfiltered	12/19/97	WGS	Canon de Valle	0.004	2.4		0.02	U	0.004	U	0.41	0.004	U	0.005	U
16-2651	RE16-98-3014	Filtered	3/30/98	WGS	Canon de Valle	NM	0.923		0.0034	U	0.0025	U	0.281	0.0008		0.0003	U
16-2651	RE16-98-3015	Unfiltered	3/30/98	WGS	Canon de Valle	NM	2.73		0.0034	U	0.0025	U	0.31	0.00095		0.0003	U
16-2651	RE16-98-3040	Filtered	6/23/98	WGS	Canon de Valle	NM	0.107		0.0036	U	0.0026	U	0.269	0.00025	U	0.00062	
16-2651	RE16-98-3041	Unfiltered	6/23/98	WGS	Canon de Valle	NM	0.763		0.0036	U	0.0026	U	0.294	0.00029	U	0.00082	

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Canon de Valle Spring Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Calcium (mg/L)	Chromium, Total (mg/L)		Cobalt (mg/L)		Copper (mg/L)		Iron (mg/L)		Lead (mg/L)		Magnesium (mg/L)	
NM Livestock Watering Standard[d]						n.s.	1.0		1.0		0.5		n.s.		0.1		n.s.	
NM Wildlife Habitat Standard[e]						n.s.	n.s.		n.s.		n.s.		n.s.		n.s.		n.s.	
NM Ground Water Standard[f]						n.s.	0.05		0.05		1.0		1.0		0.05		n.s.	
SWSC Spring																		
16-2651	0316-96-3001	Unfiltered	12/20/96	WGS	Canon de Valle	16.7	0.01	U	0.01	U	0.005	U	0.508		0.0028	J	4.97	J
16-2651	0316-97-3003	Filtered	3/31/97	WGS	Canon de Valle	16.2	0.0027	J	0.0032	J	0.0075	U	1.64		0.0015	U	5.04	
16-2651	0316-97-3004	Unfiltered	3/31/97	WGS	Canon de Valle	17.1	0.0043	J	0.0027	U	0.0115	J	2.43		0.0015	U	5.4	
16-2651	0316-97-3005	Filtered	3/31/97	WGS	Canon de Valle	15.7	0.002		0.002	U	0.005	U	1.16		0.002	U	4.81	
16-2651	0316-97-3010	Unfiltered	3/31/97	WGS	Canon de Valle	16	0.006		0.002	U	0.008		2.46		0.003		5.03	
16-2651	0316-97-3020	Filtered	6/27/97	WGS	Canon de Valle	14.8	0.0012	J	0.0009	U	0.0009	U	0.359		0.0016	U	4.38	J
16-2651	0316-97-3021	Unfiltered	6/27/97	WGS	Canon de Valle	14.9	0.0018	J	0.00093	U	0.0009	U	0.639		0.0016	U	4.4	J
16-2651	0316-97-3022	Filtered	6/27/97	WGS	Canon de Valle	14.8	NA		NA		NA		NA		NA		NA	
16-2651	0316-97-3023	Unfiltered	6/27/97	WGS	Canon de Valle	14.7	NA		NA		NA		NA		NA		NA	
16-2651	0316-97-3108	Unfiltered	9/22/97	WGS	Canon de Valle	16	0.01	U	0.02	U	0.02	U	1.3		0.002	J	4.4	
16-2651	0316-97-3109	Filtered	9/22/97	WGS	Canon de Valle	17	0.01	U	0.02	U	0.02	U	0.99		0.001	J	4.4	
16-2651	0316-97-3187	Filtered	12/19/97	WGS	Canon de Valle	17	0.01	U	0.02	U	0.02	U	0.06	U	0.004		5	U
16-2651	0316-97-3188	Unfiltered	12/19/97	WGS	Canon de Valle	19	0.01	U	0.02	U	0.02	U	1.8	U	0.002		5.3	
16-2651	RE16-98-3014	Filtered	3/30/98	WGS	Canon de Valle	15.7	0.0039		0.0008	U	0.0014		0.624		0.0014	U	4.68	
16-2651	RE16-98-3015	Unfiltered	3/30/98	WGS	Canon de Valle	16	0.0048		0.0008	U	0.002		2.03		0.0014	U	4.93	
16-2651	RE16-98-3040	Filtered	6/23/98	WGS	Canon de Valle	15.2	0.0036	U	0.00065		0.0062	U	0.0849		0.0019	U	4.51	
16-2651	RE16-98-3041	Unfiltered	6/23/98	WGS	Canon de Valle	15.8	0.0056	U	0.00091		0.0062	U	0.442		0.0019	U	4.76	

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Canon de Valle Spring Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Manganese (mg/L)		Mercury (mg/L)		Nickel (mg/L)		Potassium (mg/L)		Selenium (mg/L)		Silver (mg/L)		Sodium (mg/L)
NM Livestock Watering Standard[d]						n.s.		0.01		n.s.		n.s.		0.05		n.s.		n.s.
NM Wildlife Habitat Standard[e]						n.s.		0.000012		n.s.		n.s.		0.002		n.s.		n.s.
NM Ground Water Standard[f]						0.2		0.002		0.2		n.s.		0.05		0.05		n.s.
SWSC Spring																		
16-2651	0316-96-3001	Unfiltered	12/20/96	WGS	Canon de Valle	0.0025	U	0.0001	U	0.015	U	2.99	J	0.0025	U	0.005	U	20.7
16-2651	0316-97-3003	Filtered	3/31/97	WGS	Canon de Valle	0.0088	J	0.0001	U	0.0087	U	3.55	J	0.0036	U	0.0036	U	21
16-2651	0316-97-3004	Unfiltered	3/31/97	WGS	Canon de Valle	0.0203		0.0001	U	0.0087	U	2.77	J	0.0036	U	0.0036	U	21.7
16-2651	0316-97-3005	Filtered	3/31/97	WGS	Canon de Valle	0.006		0.00005	U	0.002		3.41		0.001	U	0.001	U	21.1
16-2651	0316-97-3010	Unfiltered	3/31/97	WGS	Canon de Valle	0.031		0.00005	U	0.004		3.58		0.001	U	0.001		20.3
16-2651	0316-97-3020	Filtered	6/27/97	WGS	Canon de Valle	0.0034	J	0.00002	U	0.0026	U	2.92	J	0.0027	U	0.0012	U	15.4
16-2651	0316-97-3021	Unfiltered	6/27/97	WGS	Canon de Valle	0.0082	J	0.00002	U	0.003	U	2.96	J	0.0027	U	0.0012	U	15.4
16-2651	0316-97-3022	Filtered	6/27/97	WGS	Canon de Valle	NA		NA		NA		2.97		NA		NA		15.4
16-2651	0316-97-3023	Unfiltered	6/27/97	WGS	Canon de Valle	NA		NA		NA		2.95		NA		NA		15.5
16-2651	0316-97-3108	Unfiltered	9/22/97	WGS	Canon de Valle	0.02		0.0002	U	0.04	U	3		0.004	UJ	0.01	U	13
16-2651	0316-97-3109	Filtered	9/22/97	WGS	Canon de Valle	0.01	U	0.0002	U	0.04	U	2		0.004	UJ	0.01	U	13
16-2651	0316-97-3187	Filtered	12/19/97	WGS	Canon de Valle	0.07		0.0002	U	0.04	U	3		0.004	UJ	0.01	U	18
16-2651	0316-97-3188	Unfiltered	12/19/97	WGS	Canon de Valle	0.12		0.0002	U	0.04	U	4		0.004	UJ	0.01	U	19
16-2651	RE16-98-3014	Filtered	3/30/98	WGS	Canon de Valle	0.0063		0.00002	U	0.0016		3.46	J	0.0031	U	0.0009	U	18.3
16-2651	RE16-98-3015	Unfiltered	3/30/98	WGS	Canon de Valle	0.0181		0.00002	U	0.004		3.69	J	0.0031	U	0.0018		18.2
16-2651	RE16-98-3040	Filtered	6/23/98	WGS	Canon de Valle	0.0097		0.0001	U	0.0028		2.97		0.0036	U	0.001	U	14.7
16-2651	RE16-98-3041	Unfiltered	6/23/98	WGS	Canon de Valle	0.009		0.0001	U	0.0028		3.14		0.0036	U	0.001	U	15.2

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Canon de Valle Spring Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Thallium (mg/L)		Vanadium (mg/L)		Zinc (mg/L)	
NM Livestock Watering Standard[d]						n.s.		0.1		25	
NM Wildlife Habitat Standard[e]						n.s.		n.s.		n.s.	
NM Ground Water Standard[f]						n.s.		n.s.		10.0	
SWSC Spring											
16-2651	0316-96-3001	Unfiltered	12/20/96	WGS	Canon de Valle	0.002	U	0.01	U	0.005	U
16-2651	0316-97-3003	Filtered	3/31/97	WGS	Canon de Valle	0.0026	U	0.0052	J	0.0131	U
16-2651	0316-97-3004	Unfiltered	3/31/97	WGS	Canon de Valle	0.0026	U	0.0065	J	0.0189	U
16-2651	0316-97-3005	Filtered	3/31/97	WGS	Canon de Valle	0.002	U	0.005		0.01	U
16-2651	0316-97-3010	Unfiltered	3/31/97	WGS	Canon de Valle	0.002	U	0.007		0.01	
16-2651	0316-97-3020	Filtered	6/27/97	WGS	Canon de Valle	0.0022	U	0.0032	J	0.0009	U
16-2651	0316-97-3021	Unfiltered	6/27/97	WGS	Canon de Valle	0.0022	U	0.004	J	0.0009	U
16-2651	0316-97-3022	Filtered	6/27/97	WGS	Canon de Valle	NA		NA		NA	
16-2651	0316-97-3023	Unfiltered	6/27/97	WGS	Canon de Valle	NA		NA		NA	
16-2651	0316-97-3108	Unfiltered	9/22/97	WGS	Canon de Valle	0.005	U	0.01	U	0.06	J
16-2651	0316-97-3109	Filtered	9/22/97	WGS	Canon de Valle	0.005	U	0.01	U	0.13	J
16-2651	0316-97-3187	Filtered	12/19/97	WGS	Canon de Valle	0.005	U	0.01	U	0.02	U
16-2651	0316-97-3188	Unfiltered	12/19/97	WGS	Canon de Valle	0.005	U	0.01	U	0.02	U
16-2651	RE16-98-3014	Filtered	3/30/98	WGS	Canon de Valle	0.0062		0.003		0.0021	
16-2651	RE16-98-3015	Unfiltered	3/30/98	WGS	Canon de Valle	0.0038	U	0.0049		0.0059	
16-2651	RE16-98-3040	Filtered	6/23/98	WGS	Canon de Valle	0.0044	U	0.0022		0.0061	
16-2651	RE16-98-3041	Unfiltered	6/23/98	WGS	Canon de Valle	0.0044	U	0.0029		0.0036	

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Canon de Valle Spring Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Estimated Flow Rate[c] (cfs)	Aluminum (mg/L)		Antimony (mg/L)		Arsenic (mg/L)		Barium (mg/L)		Beryllium (mg/L)		Cadmium (mg/L)	
NM Livestock Watering Standard[d]							5.0		n.s.		0.2		n.s.		n.s.		0.05	
NM Wildlife Habitat Standard[e]							n.s.[g]		n.s.		n.s.		n.s.		n.s.		n.s.	
NM Ground Water Standard[f]							5.0		n.s.		0.1		1.0		n.s.		0.01	
Burning Ground Spring																		
16-2652	0316-96-3000	Unfiltered	12/20/96	WGS	Canon de Valle	NM	1.02		0.05	U	0.002	U	0.263		0.004	U	0.005	U
16-2652	0316-97-3006	Filtered	3/31/97	WGS	Canon de Valle	0.046	2.54		0.0202	U	0.0023	U	0.237		0.0004	U	0.0034	U
16-2652	0316-97-3007	Unfiltered	3/31/97	WGS	Canon de Valle	0.046	3.17		0.0202	U	0.0023	U	0.244		0.0004	U	0.0034	U
16-2652	0316-97-3008	Filtered	3/31/97	WGS	Canon de Valle	0.046	3.29		0.001	U	NA		0.23		0.002	U	0.001	U
16-2652	0316-97-3011	Unfiltered	3/31/97	WGS	Canon de Valle	0.046	5.41		0.001	U	NA		0.23		0.002	U	0.001	U
16-2652	0316-97-3016	Filtered	6/27/97	WGS	Canon de Valle	0.03	0.952		0.0034	U	0.0026	U	0.198	J	0.00089	U	0.0004	U
16-2652	0316-97-3017	Unfiltered	6/27/97	WGS	Canon de Valle	0.03	1.22		0.0034	U	0.0026	U	0.2		0.00094	U	0.0004	U
16-2652	0316-97-3018	Filtered	6/27/97	WGS	Canon de Valle	0.03	NA		NA		NA		NA		NA		NA	
16-2652	0316-97-3019	Unfiltered	6/27/97	WGS	Canon de Valle	0.03	NA		NA		NA		NA		NA		NA	
16-2652	0316-97-3104	Unfiltered	9/19/97	WGS	Canon de Valle	0.042	1.6		0.02	UJ	0.017		0.22		0.004	U	0.005	U
16-2652	0316-97-3105	Filtered	9/19/97	WGS	Canon de Valle	0.042	1.8		0.02	UJ	0.03		0.22		0.004	U	0.005	U
16-2652	0316-97-3189	Filtered	12/19/97	WGS	Canon de Valle	0.015	0.1	U	0.02	U	0.004	U	0.27		0.004	U	0.005	U
16-2652	0316-97-3190	Unfiltered	12/19/97	WGS	Canon de Valle	0.015	0.6		0.02	U	0.004	U	0.28		0.004	U	0.005	U
16-2652	RE16-98-3016	Filtered	3/30/98	WGS	Canon de Valle	NM	0.998		0.0034	U	0.0025	U	0.24		0.00082		0.0003	U
16-2652	RE16-98-3017	Unfiltered	3/30/98	WGS	Canon de Valle	NM	2.36		0.0034	U	0.0025	U	0.26		0.001		0.0003	U
16-2652	RE16-98-3042	Filtered	6/25/98	WGS	Canon de Valle	NM	0.1	U	0.02	U	0.004	U	0.21		0.004	U	0.005	U
16-2652	RE16-98-3043	Unfiltered	6/25/98	WGS	Canon de Valle	NM	0.53		0.02	U	0.004	U	0.22		0.004	U	0.005	U

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Canon de Valle Spring Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Calcium (mg/L)	Chromium, Total (mg/L)		Cobalt (mg/L)		Copper (mg/L)		Iron (mg/L)		Lead (mg/L)		Magnesium (mg/L)	
NM Livestock Watering Standard[d]						n.s.	1.0		1.0		0.5		n.s.		0.1		n.s.	
NM Wildlife Habitat Standard[e]						n.s.	n.s.		n.s.		n.s.		n.s.		n.s.		n.s.	
NM Ground Water Standard[f]						n.s.	0.05		0.05		1.0		1.0		0.05		n.s.	
Burning Ground Spring																		
16-2652	0316-96-3000	Unfiltered	12/20/96	WGS	Canon de Valle	16.8	0.01	U	0.01	U	0.005	U	0.425		0.0015	U	4.9	J
16-2652	0316-97-3006	Filtered	3/31/97	WGS	Canon de Valle	16	0.0027	U	0.0027	U	0.0075	U	1.39		0.0015	U	4.92	J
16-2652	0316-97-3007	Unfiltered	3/31/97	WGS	Canon de Valle	15.6	0.0027	U	0.0027	U	0.0075	U	1.84		0.0015	U	4.89	J
16-2652	0316-97-3008	Filtered	3/31/97	WGS	Canon de Valle	15.7	0.002		0.002	U	0.005	U	1.44		0.002	U	4.9	
16-2652	0316-97-3011	Unfiltered	3/31/97	WGS	Canon de Valle	15.3	0.006		0.002	U	0.008		2.24		0.003		4.76	
16-2652	0316-97-3016	Filtered	6/27/97	WGS	Canon de Valle	14.7	0.0016	J	0.0009	U	0.0009	U	0.484		0.0016	U	4.31	J
16-2652	0316-97-3017	Unfiltered	6/27/97	WGS	Canon de Valle	14.9	0.0016	J	0.0009	U	0.0009	U	0.637		0.0016	U	4.35	J
16-2652	0316-97-3018	Filtered	6/27/97	WGS	Canon de Valle	14.8	NA		NA		NA		NA		NA		NA	
16-2652	0316-97-3019	Unfiltered	6/27/97	WGS	Canon de Valle	14.9	NA		NA		NA		NA		NA		NA	
16-2652	0316-97-3104	Unfiltered	9/19/97	WGS	Canon de Valle	16	0.01	U	0.02	U	0.02	U	0.81		0.002	J	4.2	
16-2652	0316-97-3105	Filtered	9/19/97	WGS	Canon de Valle	16	0.01	U	0.02	U	0.02	U	0.72		0.001	J	4.2	
16-2652	0316-97-3189	Filtered	12/19/97	WGS	Canon de Valle	17	0.01	U	0.02	U	0.02	U	0.12	U	0.003		4.8	
16-2652	0316-97-3190	Unfiltered	12/19/97	WGS	Canon de Valle	17	0.01	U	0.02	U	0.02	U	0.43	U	0.001		4.9	U
16-2652	RE16-98-3016	Filtered	3/30/98	WGS	Canon de Valle	15.5	0.0037		0.0008	U	0.0006	U	0.667		0.0014	U	4.59	
16-2652	RE16-98-3017	Unfiltered	3/30/98	WGS	Canon de Valle	15.9	0.0041		0.0008	U	0.0016		1.76		0.0014	U	4.85	
16-2652	RE16-98-3042	Filtered	6/25/98	WGS	Canon de Valle	14	0.01	U	0.02	U	0.02	U	0.1	U	0.001	U	4.1	U
16-2652	RE16-98-3043	Unfiltered	6/25/98	WGS	Canon de Valle	14	0.01	U	0.02	U	0.02	U	0.31		0.0013		4.1	U

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, spring

(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(f) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(g) n.s. = no standard. A numerical standard is not available.

(h) NM = Not measured

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Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

Canon de Valle Spring Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Manganese (mg/L)		Mercury (mg/L)		Nickel (mg/L)		Potassium (mg/L)		Selenium (mg/L)		Silver (mg/L)		Sodium (mg/L)
NM Livestock Watering Standard[d]						n.s.		0.01		n.s.		n.s.		0.05		n.s.		n.s.
NM Wildlife Habitat Standard[e]						n.s.		0.000012		n.s.		n.s.		0.002		n.s.		n.s.
NM Ground Water Standard[f]						0.2		0.002		0.2		n.s.		0.05		0.05		n.s.
Burning Ground Spring																		
16-2652	0316-96-3000	Unfiltered	12/20/96	WGS	Canon de Valle	0.0025	U	0.0001	U	0.015	U	2.91	J	0.0025	U	0.005	U	19.9
16-2652	0316-97-3006	Filtered	3/31/97	WGS	Canon de Valle	0.0081	J	0.0001	U	0.0087	U	2.68	J	0.0036	U	0.0036	U	21
16-2652	0316-97-3007	Unfiltered	3/31/97	WGS	Canon de Valle	0.01	J	0.0001	U	0.0087	U	3.08	J	0.0036	U	0.0036	U	20.7
16-2652	0316-97-3008	Filtered	3/31/97	WGS	Canon de Valle	0.008		0.00005	U	0.004		3.38		0.001	U	0.001	U	21
16-2652	0316-97-3011	Unfiltered	3/31/97	WGS	Canon de Valle	0.012		0.00005	U	0.004		3.38		0.001	U	0.001		19.8
16-2652	0316-97-3016	Filtered	6/27/97	WGS	Canon de Valle	0.0029	J	0.00002	U	0.0032	U	2.93	J	0.0027	U	0.0012	U	15
16-2652	0316-97-3017	Unfiltered	6/27/97	WGS	Canon de Valle	0.0065	J	0.00002	U	0.003	U	2.97	J	0.0027	U	0.0012	U	14.9
16-2652	0316-97-3018	Filtered	6/27/97	WGS	Canon de Valle	NA		NA		NA		2.97		NA		NA		15
16-2652	0316-97-3019	Unfiltered	6/27/97	WGS	Canon de Valle	NA		NA		NA		2.96		NA		NA		15.1
16-2652	0316-97-3104	Unfiltered	9/19/97	WGS	Canon de Valle	0.01	U	0.0002	U	0.04	U	3		0.004	UJ	0.01	U	13
16-2652	0316-97-3105	Filtered	9/19/97	WGS	Canon de Valle	0.01	U	0.0002	U	0.04	U	3		0.004	UJ	0.01	U	13
16-2652	0316-97-3189	Filtered	12/19/97	WGS	Canon de Valle	0.01	U	0.0002	U	0.04	U	3		0.004	UJ	0.01	U	18
16-2652	0316-97-3190	Unfiltered	12/19/97	WGS	Canon de Valle	0.01	U	0.0002	U	0.04	U	3		0.004	UJ	0.01	U	17
16-2652	RE16-98-3016	Filtered	3/30/98	WGS	Canon de Valle	0.0038		0.00002	U	0.0025		3.45	J	0.0031	U	0.0009	U	18.3
16-2652	RE16-98-3017	Unfiltered	3/30/98	WGS	Canon de Valle	0.01		0.00002	U	0.0046		3.67	J	0.0031	U	0.002		18.3
16-2652	RE16-98-3042	Filtered	6/25/98	WGS	Canon de Valle	0.01	U	0.0002	U	0.04	U	2.8		0.004	UJ	0.01	U	11
16-2652	RE16-98-3043	Unfiltered	6/25/98	WGS	Canon de Valle	0.01	U	0.0002	U	0.04	U	2.9		0.004	UJ	0.01	U	11

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, spring

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Canon de Valle Spring Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Thallium (mg/L)		Vanadium (mg/L)		Zinc (mg/L)	
NM Livestock Watering Standard[d]						n.s.		0.1		25	
NM Wildlife Habitat Standard[e]						n.s.		n.s.		n.s.	
NM Ground Water Standard[f]						n.s.		n.s.		10.0	
Burning Ground Spring											
16-2652	0316-96-3000	Unfiltered	12/20/96	WGS	Canon de Valle	0.002	U	0.01	U	0.005	U
16-2652	0316-97-3006	Filtered	3/31/97	WGS	Canon de Valle	0.0026	U	0.0064	J	0.0149	U
16-2652	0316-97-3007	Unfiltered	3/31/97	WGS	Canon de Valle	0.0026	U	0.0044	J	0.0126	U
16-2652	0316-97-3008	Filtered	3/31/97	WGS	Canon de Valle	0.002	U	0.005		0.01	U
16-2652	0316-97-3011	Unfiltered	3/31/97	WGS	Canon de Valle	0.002	U	0.007		0.01	U
16-2652	0316-97-3016	Filtered	6/27/97	WGS	Canon de Valle	0.0046	U	0.0036	J	0.0009	U
16-2652	0316-97-3017	Unfiltered	6/27/97	WGS	Canon de Valle	0.0022	U	0.0038	J	0.0009	U
16-2652	0316-97-3018	Filtered	6/27/97	WGS	Canon de Valle	NA		NA		NA	
16-2652	0316-97-3019	Unfiltered	6/27/97	WGS	Canon de Valle	NA		NA		NA	
16-2652	0316-97-3104	Unfiltered	9/19/97	WGS	Canon de Valle	0.005	U	0.01	U	0.08	J
16-2652	0316-97-3105	Filtered	9/19/97	WGS	Canon de Valle	0.005	U	0.01	U	0.09	J
16-2652	0316-97-3189	Filtered	12/19/97	WGS	Canon de Valle	0.005	U	0.01	U	0.02	U
16-2652	0316-97-3190	Unfiltered	12/19/97	WGS	Canon de Valle	0.005	U	0.01	U	0.02	U
16-2652	RE16-98-3016	Filtered	3/30/98	WGS	Canon de Valle	0.0048		0.0029		0.0021	
16-2652	RE16-98-3017	Unfiltered	3/30/98	WGS	Canon de Valle	0.0039		0.0043		0.0049	
16-2652	RE16-98-3042	Filtered	6/25/98	WGS	Canon de Valle	0.005	U	0.01	U	0.02	U
16-2652	RE16-98-3043	Unfiltered	6/25/98	WGS	Canon de Valle	0.005	U	0.01	U	0.02	U

NOTES:

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(b) WGS = Groundwater, spring

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(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(f) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

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Table CD 0-2

Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Estimated Flow Rate[c] (cfs)	Alkalinity, Total (Methyl Orange [pH=4.5] end point) (mg/L)	Bicarbonate (mg/L)	Bicarbonate by alkalinity tritration (mg/L)	Boron (mg/L)	Bromide (mg/L)		Carbon, Total Organic (mg/L)	
NM Livestock Watering Standard[d]							n.s.[g]	n.s.	n.s.	5.0	n.s.		n.s.	
NM Wildlife Habitat Standard[e]							n.s.	n.s.	n.s.	n.s.	n.s.		n.s.	
NM Ground Water Standard[f]							n.s.	n.s.	n.s.	0.75	n.s.		n.s.	
Martin Spring														
16-2650	0316-96-3002	Unfiltered	12/20/96	WGS	Canon de Valle	NM[h]	NA[i]	NA	NA	NA	NA		NA	
16-2650	0316-97-3002	Filtered	3/31/97	WGS	Canon de Valle	0.002	NA	99.2	NA	1.34	0.11		NA	
16-2650	0316-97-3009	Unfiltered	3/31/97	WGS	Canon de Valle	0.002	NA	99.8	NA	1.32	0.11		NA	
16-2650	0316-97-3014	Filtered	6/27/97	WGS	Canon de Valle	0.001	95	NA	NA	1.8	0.2	U	NA	
16-2650	0316-97-3015	Unfiltered	6/27/97	WGS	Canon de Valle	0.001	87	NA	NA	1.8	0.2	U	NA	
16-2650	0316-97-3101	Filtered	9/19/97	WGS	Canon de Valle	0.001	73	NA	NA	NA	2	U	NA	
16-2650	0316-97-3111	Unfiltered	9/19/97	WGS	Canon de Valle	0.001	66	NA	NA	1.5	NA		NA	
16-2650	0316-97-3185	Filtered	12/19/97	WGS	Canon de Valle	0	NA	NA	NA	NA	2	U	NA	
16-2650	0316-97-3186	Unfiltered	12/19/97	WGS	Canon de Valle	0	NA	NA	NA	NA	2	U	NA	
16-2650	RE16-98-3012	Filtered	3/30/98	WGS	Canon de Valle	NM	NA	NA	NA	1.94	0.2	U	2	
16-2650	RE16-98-3013	Unfiltered	3/30/98	WGS	Canon de Valle	NM	NA	NA	NA	1.94	0.2	U	4	
16-2650	RE16-98-3038	Filtered	6/25/98	WGS	Canon de Valle	NM	NA	NA	120	2.08	0.2	U	2	U
16-2650	RE16-98-3039	Unfiltered	6/25/98	WGS	Canon de Valle	NM	NA	NA	120	2.11	0.2	U	1	

NOTES:

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(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(f) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

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(i) NA = Not analyzed
SU = Standard unit
NTU = Nephelometric Turbidity Unit

Explanation of data qualifier flags:

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Table CDV-260-2

Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Carbonate (mg/L)		Cesium (mg/L)		Chlorate (mg/L)		Chloride (mg/L)	Conductivity (UMHOS)	Cyanide, Total (mg/L)		Fluoride (mg/L)
NM Livestock Watering Standard[d]						n.s.		n.s.		n.s.		n.s.	n.s.	n.s.		n.s.
NM Wildlife Habitat Standard[e]						n.s.		n.s.		n.s.		n.s.	n.s.	n.s.		n.s.
NM Ground Water Standard[f]						n.s.		n.s.		n.s.		250	n.s.	0.2		1.6
Martin Spring																
16-2650	0316-96-3002	Unfiltered	12/20/96	WGS	Canon de Valle	NA		NA		NA		NA	NA	0.01	U	NA
16-2650	0316-97-3002	Filtered	3/31/97	WGS	Canon de Valle	0	U	0.002	U	0.02	U	19.7	280	NA		0.64
16-2650	0316-97-3009	Unfiltered	3/31/97	WGS	Canon de Valle	0	U	0.002	U	0.02	U	19.6	280	NA		0.63
16-2650	0316-97-3014	Filtered	6/27/97	WGS	Canon de Valle	NA		NA		NA		20	339	NA		0.6
16-2650	0316-97-3015	Unfiltered	6/27/97	WGS	Canon de Valle	NA		NA		NA		21	335	NA		0.7
16-2650	0316-97-3101	Filtered	9/19/97	WGS	Canon de Valle	NA		NA		NA		13	240	NA		0.3
16-2650	0316-97-3111	Unfiltered	9/19/97	WGS	Canon de Valle	NA		NA		NA		11	230	NA		0.6
16-2650	0316-97-3185	Filtered	12/19/97	WGS	Canon de Valle	NA		NA		NA		22	NA	0.01	U	0.8
16-2650	0316-97-3186	Unfiltered	12/19/97	WGS	Canon de Valle	NA		NA		NA		19	NA	0.01	U	0.8
16-2650	RE16-98-3012	Filtered	3/30/98	WGS	Canon de Valle	5	U	NA		NA		22.6	NA	0.01	U	0.6
16-2650	RE16-98-3013	Unfiltered	3/30/98	WGS	Canon de Valle	5	U	NA		NA		23	NA	0.01	U	0.6
16-2650	RE16-98-3038	Filtered	6/25/98	WGS	Canon de Valle	5	U	NA		NA		23	380	0.013	U	0.67
16-2650	RE16-98-3039	Unfiltered	6/25/98	WGS	Canon de Valle	5	U	NA		NA		23	380	0.01	U	0.69

NOTES:

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(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

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NTU = Nephelometric Turbidity Unit

Explanation of data qualifier flags:

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Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Hydrogen carbonate (mg/L)	Iodide (mg/L)	Lithium (mg/L)	Molybdenum (mg/L)	Nitrogen, Ammonia (Expressed as N) (mg/L)	Nitrogen, Ammonium (Expressed as NH4) (mg/L)
NM Livestock Watering Standard[d]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[e]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
NM Ground Water Standard[f]						n.s.	n.s.	n.s.	1	n.s.	n.s.
Martin Spring											
16-2650	0316-96-3002	Unfiltered	12/20/96	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2650	0316-97-3002	Filtered	3/31/97	WGS	Canon de Valle	NA	0.02	0.01 U	0.01 U	NA	0.04
16-2650	0316-97-3009	Unfiltered	3/31/97	WGS	Canon de Valle	NA	0.02	0.01 U	0 U	NA	0.04
16-2650	0316-97-3014	Filtered	6/27/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2650	0316-97-3015	Unfiltered	6/27/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2650	0316-97-3101	Filtered	9/19/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2650	0316-97-3111	Unfiltered	9/19/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2650	0316-97-3185	Filtered	12/19/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2650	0316-97-3186	Unfiltered	12/19/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2650	RE16-98-3012	Filtered	3/30/98	WGS	Canon de Valle	91	NA	0.0069	0.003	0.5 U	NA
16-2650	RE16-98-3013	Unfiltered	3/30/98	WGS	Canon de Valle	93	NA	0.0086	0.0048	0.5 U	NA
16-2650	RE16-98-3038	Filtered	6/25/98	WGS	Canon de Valle	NA	NA	0.0075	0.0055	0.5 U	NA
16-2650	RE16-98-3039	Unfiltered	6/25/98	WGS	Canon de Valle	NA	NA	0.0086	0.0064	0.5 U	NA

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Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Nitrogen, Nitrate + Nitrite (Expressed as N) (mg/L)	Nitrogen, Nitrate (Expressed as NO3) (mg/L)	Nitrogen Nitrite (Expressed as NO2) (mg/L)	pH (SU)	Phosphorus, Orthophosphate (Expressed as PO4) (mg/L)
NM Livestock Watering Standard[d]						n.s.	n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[e]						n.s.	n.s.	n.s.	n.s.	n.s.
NM Ground Water Standard[f]						n.s.	10	n.s.	n.s.	n.s.
Martin Spring										
16-2650	0316-96-3002	Unfiltered	12/20/96	WGS	Canon de Valle	NA	NA	NA	NA	NA
16-2650	0316-97-3002	Filtered	3/31/97	WGS	Canon de Valle	NA	10.7	0.02 U	7.14	0.13
16-2650	0316-97-3009	Unfiltered	3/31/97	WGS	Canon de Valle	NA	9.83	0.02 U	7.09	0.12
16-2650	0316-97-3014	Filtered	6/27/97	WGS	Canon de Valle	NA	NA	NA	7.2	NA
16-2650	0316-97-3015	Unfiltered	6/27/97	WGS	Canon de Valle	NA	NA	NA	8	NA
16-2650	0316-97-3101	Filtered	9/19/97	WGS	Canon de Valle	NA	NA	NA	7.37	NA
16-2650	0316-97-3111	Unfiltered	9/19/97	WGS	Canon de Valle	NA	NA	NA	7.52	NA
16-2650	0316-97-3185	Filtered	12/19/97	WGS	Canon de Valle	5	NA	NA	NA	NA
16-2650	0316-97-3186	Unfiltered	12/19/97	WGS	Canon de Valle	5	NA	NA	NA	NA
16-2650	RE16-98-3012	Filtered	3/30/98	WGS	Canon de Valle	NA	2.9	0.1 U	NA	0.2
16-2650	RE16-98-3013	Unfiltered	3/30/98	WGS	Canon de Valle	NA	2.9	0.1 U	NA	0.3
16-2650	RE16-98-3038	Filtered	6/25/98	WGS	Canon de Valle	4	NA	NA U	NA	NA
16-2650	RE16-98-3039	Unfiltered	6/25/98	WGS	Canon de Valle	4.3	NA	NA U	NA	NA

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, spring

(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(f) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(g) n.s. = no standard. A numerical standard is not available.

(h) NM = Not measured

(i) NA = Not analyzed
SU = Standard unit
NTU = Nephelometric Turbidity Unit

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Phosphorus, Total (Expressed as P) (mg/L)	Rubidium (mg/L)	Silicon (mg/L)	Silicon Dioxide (mg/L)	Solids, Total Dissolved (mg/L)	Solids Total Suspended (mg/L)		Strontium (mg/L)
NM Livestock Watering Standard[d]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.		n.s.
NM Wildlife Habitat Standard[e]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.		n.s.
NM Ground Water Standard[f]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.		n.s.
Martin Spring													
16-2650	0316-96-3002	Unfiltered	12/20/96	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA		NA
16-2650	0316-97-3002	Filtered	3/31/97	WGS	Canon de Valle	NA	0.005	18.2	38.9	249.468	NA		0.1
16-2650	0316-97-3009	Unfiltered	3/31/97	WGS	Canon de Valle	NA	0.1	28.7	61.4	274.41	NA		0.11
16-2650	0316-97-3014	Filtered	6/27/97	WGS	Canon de Valle	NA	NA	23.4	NA	220	40	U	NA
16-2650	0316-97-3015	Unfiltered	6/27/97	WGS	Canon de Valle	NA	NA	23.3	NA	240	40	U	NA
16-2650	0316-97-3101	Filtered	9/19/97	WGS	Canon de Valle	NA	NA	19	NA	200	5	U	NA
16-2650	0316-97-3111	Unfiltered	9/19/97	WGS	Canon de Valle	NA	NA	NA	NA	230	5		NA
16-2650	0316-97-3185	Filtered	12/19/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA		NA
16-2650	0316-97-3186	Unfiltered	12/19/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA		NA
16-2650	RE16-98-3012	Filtered	3/30/98	WGS	Canon de Valle	NA	NA	NA	NA	220	20	U	0.127
16-2650	RE16-98-3013	Unfiltered	3/30/98	WGS	Canon de Valle	NA	NA	NA	NA	270	20	U	0.13
16-2650	RE16-98-3038	Filtered	6/25/98	WGS	Canon de Valle	0.11	NA	NA	NA	280	20	U	0.149
16-2650	RE16-98-3039	Unfiltered	6/25/98	WGS	Canon de Valle	0.14	NA	NA	NA	270	20	U	0.153

NOTES:

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(b) WGS = Groundwater, spring

(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(f) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

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Table CDV-260-2

Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Sulfate (mg/L)	Thiosulfate (mg/L)	Tin (mg/L)	Titanium (mg/L)	Turbidity (NTU)	Uranium (mg/L)
NM Livestock Watering Standard[d]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[e]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
NM Ground Water Standard[f]						600	n.s.	n.s.	n.s.	n.s.	5
Martin Spring											
16-2650	0316-96-3002	Unfiltered	12/20/96	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2650	0316-97-3002	Filtered	3/31/97	WGS	Canon de Valle	15.4	0.01 U	0.005 U	0.067	NA	NA
16-2650	0316-97-3009	Unfiltered	3/31/97	WGS	Canon de Valle	15.3	0.01 U	0.005 U	0.091	NA	NA
16-2650	0316-97-3014	Filtered	6/27/97	WGS	Canon de Valle	19	NA	NA	NA	3.8	NA
16-2650	0316-97-3015	Unfiltered	6/27/97	WGS	Canon de Valle	20	NA	NA	NA	1	NA
16-2650	0316-97-3101	Filtered	9/19/97	WGS	Canon de Valle	17	NA	NA	NA	22	NA
16-2650	0316-97-3111	Unfiltered	9/19/97	WGS	Canon de Valle	17	NA	NA	NA	42	NA
16-2650	0316-97-3185	Filtered	12/19/97	WGS	Canon de Valle	21	NA	NA	NA	NA	NA
16-2650	0316-97-3186	Unfiltered	12/19/97	WGS	Canon de Valle	29	NA	NA	NA	NA	NA
16-2650	RE16-98-3012	Filtered	3/30/98	WGS	Canon de Valle	17.5	NA	NA	NA	NA	0.0804 U
16-2650	RE16-98-3013	Unfiltered	3/30/98	WGS	Canon de Valle	18	NA	NA	NA	NA	0.0804 U
16-2650	RE16-98-3038	Filtered	6/25/98	WGS	Canon de Valle	23	NA	NA	NA	NA	0.126 U
16-2650	RE16-98-3039	Unfiltered	6/25/98	WGS	Canon de Valle	23	NA	NA	NA	NA	0.126 U

NOTES:

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(b) WGS = Groundwater, spring

(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(f) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

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(h) NM = Not measured

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SU = Standard unit
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Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Estimated Flow Rate[c] (cfs)	Alkalinity, Total (Methyl Orange [pH=4.5] end point) (mg/L)	Bicarbonate (mg/L)	Bicarbonate by alkalinity tritration (mg/L)	Boron (mg/L)	Bromide (mg/L)		Carbon, Total Organic (mg/L)
NM Livestock Watering Standard[d]							n.s.[g]	n.s.	n.s.	5.0	n.s.		n.s.
NM Wildlife Habitat Standard[e]							n.s.	n.s.	n.s.	n.s.	n.s.		n.s.
NM Ground Water Standard[f]							n.s.	n.s.	n.s.	0.75	n.s.		n.s.
SWSC Spring													
16-2651	0316-96-3001	Unfiltered	12/20/96	WGS	Canon de Valle	NM	NA	NA	NA	NA	NA		NA
16-2651	0316-97-3005	Filtered	3/31/97	WGS	Canon de Valle	0.021	NA	79.2	NA	0.04	0.04		NA
16-2651	0316-97-3010	Unfiltered	3/31/97	WGS	Canon de Valle	0.021	NA	80.2	NA	0.04	0.07		NA
16-2651	0316-97-3022	Filtered	6/27/97	WGS	Canon de Valle	0.007	55	NA	NA	0.0359	0.2	U	NA
16-2651	0316-97-3023	Unfiltered	6/27/97	WGS	Canon de Valle	0.007	69	NA	NA	0.0507	0.2	U	NA
16-2651	0316-97-3108	Unfiltered	9/22/97	WGS	Canon de Valle	0.013	57	NA	NA	NA	2	U	NA
16-2651	0316-97-3109	Filtered	9/22/97	WGS	Canon de Valle	0.013	61	NA	NA	NA	2	U	NA
16-2651	0316-97-3187	Filtered	12/19/97	WGS	Canon de Valle	0.004	NA	NA	NA	NA	2	U	NA
16-2651	0316-97-3188	Unfiltered	12/19/97	WGS	Canon de Valle	0.004	NA	NA	NA	NA	8	U	NA
16-2651	RE16-98-3014	Filtered	3/30/98	WGS	Canon de Valle	NM	NA	NA	NA	0.0509	0.2	U	2
16-2651	RE16-98-3015	Unfiltered	3/30/98	WGS	Canon de Valle	NM	NA	NA	NA	0.0459	0.2	U	4
16-2651	RE16-98-3040	Filtered	6/23/98	WGS	Canon de Valle	NM	NA	NA	NA	0.0308	0.2	U	NA
16-2651	RE16-98-3041	Unfiltered	6/23/98	WGS	Canon de Valle	NM	NA	NA	NA	0.0332	0.2	U	NA

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Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Carbonate (mg/L)		Cesium (mg/L)		Chlorate (mg/L)		Chloride (mg/L)	Conductivity (UMHOS)	Cyanide, Total (mg/L)		Fluoride (mg/L)	
NM Livestock Watering Standard[d]						n.s.		n.s.		n.s.		n.s.	n.s.	n.s.		n.s.	
NM Wildlife Habitat Standard[e]						n.s.		n.s.		n.s.		n.s.	n.s.	n.s.		n.s.	
NM Ground Water Standard[f]						n.s.		n.s.		n.s.		250	n.s.	0.2		1.6	
SWSC Spring																	
16-2651	0316-96-3001	Unfiltered	12/20/96	WGS	Canon de Valle	NA		NA		NA		NA	NA	0.01	U	NA	
16-2651	0316-97-3005	Filtered	3/31/97	WGS	Canon de Valle	0	U	0.002	U	0.02	U	18	218	NA		0.21	
16-2651	0316-97-3010	Unfiltered	3/31/97	WGS	Canon de Valle	0	U	0.002	U	0.02	U	17.9	219	NA		0.22	
16-2651	0316-97-3022	Filtered	6/27/97	WGS	Canon de Valle	NA		NA		NA		13	189	NA		0.2	
16-2651	0316-97-3023	Unfiltered	6/27/97	WGS	Canon de Valle	NA		NA		NA		13	190	NA		0.2	
16-2651	0316-97-3108	Unfiltered	9/22/97	WGS	Canon de Valle	NA		NA		NA		18	200	NA		0.2	
16-2651	0316-97-3109	Filtered	9/22/97	WGS	Canon de Valle	NA		NA		NA		18	180	NA		0.2	
16-2651	0316-97-3187	Filtered	12/19/97	WGS	Canon de Valle	NA		NA		NA		13	NA	0.01	U	0.1	
16-2651	0316-97-3188	Unfiltered	12/19/97	WGS	Canon de Valle	NA		NA		NA		13	NA	0.01	U	0.1	U
16-2651	RE16-98-3014	Filtered	3/30/98	WGS	Canon de Valle	5	U	NA		NA		16	NA	0.01	U	0.2	
16-2651	RE16-98-3015	Unfiltered	3/30/98	WGS	Canon de Valle	5	U	NA		NA		16	NA	0.01	U	0.2	
16-2651	RE16-98-3040	Filtered	6/23/98	WGS	Canon de Valle	NA		NA		NA		12	NA	0.0025	U	0.16	
16-2651	RE16-98-3041	Unfiltered	6/23/98	WGS	Canon de Valle	NA		NA		NA		13	NA	0.0032	U	0.15	

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U = The compound was analyzed for but was not detected.
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Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Hydrogen carbonate (mg/L)	Iodide (mg/L)	Lithium (mg/L)	Molybdenum (mg/L)	Nitrogen, Ammonia (Expressed as N) (mg/L)	Nitrogen, Ammonium (Expressed as NH4) (mg/L)
NM Livestock Watering Standard[d]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[e]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
NM Ground Water Standard[f]						n.s.	n.s.	n.s.	1	n.s.	n.s.
SWSC Spring											
16-2651	0316-96-3001	Unfiltered	12/20/96	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2651	0316-97-3005	Filtered	3/31/97	WGS	Canon de Valle	NA	0.01 U	0.01 U	0.01 U	NA	0.04
16-2651	0316-97-3010	Unfiltered	3/31/97	WGS	Canon de Valle	NA	0.01 U	0.01	0.01	NA	0.04
16-2651	0316-97-3022	Filtered	6/27/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2651	0316-97-3023	Unfiltered	6/27/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2651	0316-97-3108	Unfiltered	9/22/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2651	0316-97-3109	Filtered	9/22/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2651	0316-97-3187	Filtered	12/19/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2651	0316-97-3188	Unfiltered	12/19/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2651	RE16-98-3014	Filtered	3/30/98	WGS	Canon de Valle	66	NA	0.0072	0.0029 U	0.5 U	NA
16-2651	RE16-98-3015	Unfiltered	3/30/98	WGS	Canon de Valle	65	NA	0.0087	0.0029 U	0.5 U	NA
16-2651	RE16-98-3040	Filtered	6/23/98	WGS	Canon de Valle	NA	NA	0.0075	0.0049 U	NA	NA
16-2651	RE16-98-3041	Unfiltered	6/23/98	WGS	Canon de Valle	NA	NA	0.0062	0.0049 U	NA	NA

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Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Nitrogen, Nitrate + Nitrite (Expressed as N) (mg/L)		Nitrogen, Nitrate (Expressed as NO3) (mg/L)		Nitrogen Nitrite (Expressed as NO2) (mg/L)		pH (SU)	Phosphorus, Orthophosphate (Expressed as PO4) (mg/L)	
NM Livestock Watering Standard[d]						n.s.		n.s.		n.s.		n.s.	n.s.	
NM Wildlife Habitat Standard[e]						n.s.		n.s.		n.s.		n.s.	n.s.	
NM Ground Water Standard[f]						n.s.		10		n.s.		n.s.	n.s.	
SWSC Spring														
16-2651	0316-96-3001	Unfiltered	12/20/96	WGS	Canon de Valle	NA		NA		NA		NA	NA	
16-2651	0316-97-3005	Filtered	3/31/97	WGS	Canon de Valle	NA		3.83		0.02	U	7.44	0.17	
16-2651	0316-97-3010	Unfiltered	3/31/97	WGS	Canon de Valle	NA		NA		3.34		7.37	0.14	
16-2651	0316-97-3022	Filtered	6/27/97	WGS	Canon de Valle	NA		NA		NA		7.7	NA	
16-2651	0316-97-3023	Unfiltered	6/27/97	WGS	Canon de Valle	NA		NA		NA		7.6	NA	
16-2651	0316-97-3108	Unfiltered	9/22/97	WGS	Canon de Valle	NA		NA		NA		7.38	NA	
16-2651	0316-97-3109	Filtered	9/22/97	WGS	Canon de Valle	NA		NA		NA		7.39	NA	
16-2651	0316-97-3187	Filtered	12/19/97	WGS	Canon de Valle	1.5		NA		NA		NA	NA	
16-2651	0316-97-3188	Unfiltered	12/19/97	WGS	Canon de Valle	1.2		NA		NA		NA	NA	
16-2651	RE16-98-3014	Filtered	3/30/98	WGS	Canon de Valle	NA		0.9	U	0.1	U	NA	0.2	U
16-2651	RE16-98-3015	Unfiltered	3/30/98	WGS	Canon de Valle	NA		0.9	U	0.1	U	NA	0.2	U
16-2651	RE16-98-3040	Filtered	6/23/98	WGS	Canon de Valle	NA		NA		NA	U	NA	NA	
16-2651	RE16-98-3041	Unfiltered	6/23/98	WGS	Canon de Valle	NA		NA		NA	U	NA	NA	

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(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(f) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(g) n.s. = no standard. A numerical standard is not available.

(h) NM = Not measured

(i) NA = Not analyzed
SU = Standard unit
NTU = Nephelometric Turbidity Unit

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Phosphorus, Total (Expressed as P) (mg/L)	Rubidium (mg/L)	Silicon (mg/L)	Silicon Dioxide (mg/L)	Solids, Total Dissolved (mg/L)	Solids Total Suspended (mg/L)		Strontium (mg/L)
NM Livestock Watering Standard[d]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.		n.s.
NM Wildlife Habitat Standard[e]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.		n.s.
NM Ground Water Standard[f]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.		n.s.
SWSC Spring													
16-2651	0316-96-3001	Unfiltered	12/20/96	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA		NA
16-2651	0316-97-3005	Filtered	3/31/97	WGS	Canon de Valle	NA	0.007	25.5	54.6	215.229	NA		0.1
16-2651	0316-97-3010	Unfiltered	3/31/97	WGS	Canon de Valle	NA	0.014	29.4	62.9	227.98	NA		0.1
16-2651	0316-97-3022	Filtered	6/27/97	WGS	Canon de Valle	NA	NA	20.7	NA	150	40	U	NA
16-2651	0316-97-3023	Unfiltered	6/27/97	WGS	Canon de Valle	NA	NA	21.3	NA	160	40	U	NA
16-2651	0316-97-3108	Unfiltered	9/22/97	WGS	Canon de Valle	NA	NA	21	NA	170	7	U	NA
16-2651	0316-97-3109	Filtered	9/22/97	WGS	Canon de Valle	NA	NA	20	NA	160	5	U	NA
16-2651	0316-97-3187	Filtered	12/19/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA		NA
16-2651	0316-97-3188	Unfiltered	12/19/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA		NA
16-2651	RE16-98-3014	Filtered	3/30/98	WGS	Canon de Valle	NA	NA	NA	NA	330	20	U	0.107
16-2651	RE16-98-3015	Unfiltered	3/30/98	WGS	Canon de Valle	NA	NA	NA	NA	200	20	U	0.109
16-2651	RE16-98-3040	Filtered	6/23/98	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA		0.101
16-2651	RE16-98-3041	Unfiltered	6/23/98	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA		0.102

NOTES:

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(b) WGS = Groundwater, spring

(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(f) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

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Explanation of data qualifier flags:

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Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Sulfate (mg/L)	Thiosulfate (mg/L)	Tin (mg/L)	Titanium (mg/L)	Turbidity (NTU)	Uranium (mg/L)
NM Livestock Watering Standard[d]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[e]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
NM Ground Water Standard[f]						600	n.s.	n.s.	n.s.	n.s.	5
SWSC Spring											
16-2651	0316-96-3001	Unfiltered	12/20/96	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2651	0316-97-3005	Filtered	3/31/97	WGS	Canon de Valle	9.41	0.01 U	0.005 U	0.057	NA	NA
16-2651	0316-97-3010	Unfiltered	3/31/97	WGS	Canon de Valle	9.24	0.01 U	0.005 U	0.11	NA	NA
16-2651	0316-97-3022	Filtered	6/27/97	WGS	Canon de Valle	8	NA	NA	NA	7.4	NA
16-2651	0316-97-3023	Unfiltered	6/27/97	WGS	Canon de Valle	8	NA	NA	NA	8.2	NA
16-2651	0316-97-3108	Unfiltered	9/22/97	WGS	Canon de Valle	15	NA	NA	NA	23	NA
16-2651	0316-97-3109	Filtered	9/22/97	WGS	Canon de Valle	13	NA	NA	NA	16	NA
16-2651	0316-97-3187	Filtered	12/19/97	WGS	Canon de Valle	2	NA	NA	NA	NA	NA
16-2651	0316-97-3188	Unfiltered	12/19/97	WGS	Canon de Valle	12	NA	NA	NA	NA	NA
16-2651	RE16-98-3014	Filtered	3/30/98	WGS	Canon de Valle	8	NA	NA	NA	NA	0.0804 U
16-2651	RE16-98-3015	Unfiltered	3/30/98	WGS	Canon de Valle	8	NA	NA	NA	NA	0.0804 U
16-2651	RE16-98-3040	Filtered	6/23/98	WGS	Canon de Valle	7.5	NA	NA	NA	NA	0.126 U
16-2651	RE16-98-3041	Unfiltered	6/23/98	WGS	Canon de Valle	7.5	NA	NA	NA	NA	0.126 U

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(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(f) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

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Explanation of data qualifier flags:

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Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Estimated Flow Rate[c] (cfs)	Alkalinity, Total (Methyl Orange [pH=4.5] end point) (mg/L)	Bicarbonate (mg/L)	Bicarbonate by alkalinity tritration (mg/L)	Boron (mg/L)	Bromide (mg/L)		Carbon, Total Organic (mg/L)	
NM Livestock Watering Standard[d]							n.s.[g]	n.s.	n.s.	5.0	n.s.		n.s.	
NM Wildlife Habitat Standard[e]							n.s.	n.s.	n.s.	n.s.	n.s.		n.s.	
NM Ground Water Standard[f]							n.s.	n.s.	n.s.	0.75	n.s.		n.s.	
Burning Ground Spring														
16-2652	0316-96-3000	Unfiltered	12/20/96	WGS	Canon de Valle	NM	NA	NA	NA	NA	NA		NA	
16-2652	0316-97-3008	Filtered	3/31/97	WGS	Canon de Valle	0.046	NA	78.1	NA	0.02	0.07		NA	
16-2652	0316-97-3011	Unfiltered	3/31/97	WGS	Canon de Valle	0.046	NA	78.3	NA	0.02	0.06		NA	
16-2652	0316-97-3018	Filtered	6/27/97	WGS	Canon de Valle	0.03	66	NA	NA	0.0479	0.2	U	NA	
16-2652	0316-97-3019	Unfiltered	6/27/97	WGS	Canon de Valle	0.03	67	NA	NA	0.031	0.2	U	NA	
16-2652	0316-97-3104	Unfiltered	9/19/97	WGS	Canon de Valle	0.042	61	NA	NA	NA	2	U	NA	
16-2652	0316-97-3105	Filtered	9/19/97	WGS	Canon de Valle	0.042	64	NA	NA	NA	2	U	NA	
16-2652	0316-97-3189	Filtered	12/19/97	WGS	Canon de Valle	0.015	NA	NA	NA	NA	8	U	NA	
16-2652	0316-97-3190	Unfiltered	12/19/97	WGS	Canon de Valle	0.015	NA	NA	NA	NA	4	U	NA	
16-2652	RE16-98-3016	Filtered	3/30/98	WGS	Canon de Valle	NM	NA	NA	NA	0.0277	0.2	U	2	
16-2652	RE16-98-3017	Unfiltered	3/30/98	WGS	Canon de Valle	NM	NA	NA	NA	0.0257	0.2	U	5	
16-2652	RE16-98-3042	Filtered	6/25/98	WGS	Canon de Valle	NM	NA	NA	65	0.0214	0.2	U	3	
16-2652	RE16-98-3043	Unfiltered	6/25/98	WGS	Canon de Valle	NM	NA	NA	62	0.0155	0.2	U	1	U

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(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

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Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Carbonate (mg/L)		Cesium (mg/L)		Chlorate (mg/L)		Chloride (mg/L)	Conductivity (UMHOS)	Cyanide, Total (mg/L)		Fluoride (mg/L)	
NM Livestock Watering Standard[d]						n.s.		n.s.		n.s.		n.s.	n.s.	n.s.		n.s.	
NM Wildlife Habitat Standard[e]						n.s.		n.s.		n.s.		n.s.	n.s.	n.s.		n.s.	
NM Ground Water Standard[f]						n.s.		n.s.		n.s.		250	n.s.	0.2		1.6	
Burning Ground Spring																	
16-2652	0316-96-3000	Unfiltered	12/20/96	WGS	Canon de Valle	NA		NA		NA		NA	NA	0.01	U	NA	
16-2652	0316-97-3008	Filtered	3/31/97	WGS	Canon de Valle	0	U	0.002	U	0.02	U	17.8	213	NA		0.22	
16-2652	0316-97-3011	Unfiltered	3/31/97	WGS	Canon de Valle	0	U	0.002		0.02	U	17.2	213	NA		0.19	
16-2652	0316-97-3018	Filtered	6/27/97	WGS	Canon de Valle	NA		NA		NA		13	189	NA		0.2	
16-2652	0316-97-3019	Unfiltered	6/27/97	WGS	Canon de Valle	NA		NA		NA		13	188	NA		0.2	
16-2652	0316-97-3104	Unfiltered	9/19/97	WGS	Canon de Valle	NA		NA		NA		18	180	NA		0.2	
16-2652	0316-97-3105	Filtered	9/19/97	WGS	Canon de Valle	NA		NA		NA		19	200	NA		0.2	
16-2652	0316-97-3189	Filtered	12/19/97	WGS	Canon de Valle	NA		NA		NA		13	NA	0.01	U	0.1	U
16-2652	0316-97-3190	Unfiltered	12/19/97	WGS	Canon de Valle	NA		NA		NA		13	NA	0.01	U	0.1	U
16-2652	RE16-98-3016	Filtered	3/30/98	WGS	Canon de Valle	5	U	NA		NA		17	NA	0.01	U	0.2	
16-2652	RE16-98-3017	Unfiltered	3/30/98	WGS	Canon de Valle	5	U	NA		NA		17	NA	0.01	U	0.2	
16-2652	RE16-98-3042	Filtered	6/25/98	WGS	Canon de Valle	5	U	NA		NA		12	200	0.01	U	0.16	
16-2652	RE16-98-3043	Unfiltered	6/25/98	WGS	Canon de Valle	5	U	NA		NA		12	210	0.01	U	0.15	

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Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Hydrogen carbonate (mg/L)	Iodide (mg/L)	Lithium (mg/L)	Molybdenum (mg/L)	Nitrogen, Ammonia (Expressed as N) (mg/L)	Nitrogen, Ammonium (Expressed as NH4) (mg/L)
NM Livestock Watering Standard[d]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[e]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
NM Ground Water Standard[f]						n.s.	n.s.	n.s.	1	n.s.	n.s.
Burning Ground Spring											
16-2652	0316-96-3000	Unfiltered	12/20/96	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2652	0316-97-3008	Filtered	3/31/97	WGS	Canon de Valle	NA	0.01 U	0.01 U	0.01 U	NA	0.04
16-2652	0316-97-3011	Unfiltered	3/31/97	WGS	Canon de Valle	NA	0.01 U	0.01 U	0.01 U	NA	0.04
16-2652	0316-97-3018	Filtered	6/27/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2652	0316-97-3019	Unfiltered	6/27/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2652	0316-97-3104	Unfiltered	9/19/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2652	0316-97-3105	Filtered	9/19/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2652	0316-97-3189	Filtered	12/19/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2652	0316-97-3190	Unfiltered	12/19/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2652	RE16-98-3016	Filtered	3/30/98	WGS	Canon de Valle	65	NA	0.0059	0.0029 U	0.5 U	NA
16-2652	RE16-98-3017	Unfiltered	3/30/98	WGS	Canon de Valle	67	NA	0.0081	0.0029 U	0.5 U	NA
16-2652	RE16-98-3042	Filtered	6/25/98	WGS	Canon de Valle	NA	NA	0.0069	0.0049 U	0.9	NA
16-2652	RE16-98-3043	Unfiltered	6/25/98	WGS	Canon de Valle	NA	NA	0.005	0.0049 U	0.5 U	NA

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Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Nitrogen, Nitrate + Nitrite (Expressed as N) (mg/L)		Nitrogen, Nitrate (Expressed as NO3) (mg/L)		Nitrogen Nitrite (Expressed as NO2) (mg/L)		pH (SU)	Phosphorus, Orthophosphate (Expressed as PO4) (mg/L)	
NM Livestock Watering Standard[g]						n.s.		n.s.		n.s.		n.s.	n.s.	
NM Wildlife Habitat Standard[g]						n.s.		n.s.		n.s.		n.s.	n.s.	
NM Ground Water Standard[f]						n.s.		10		n.s.		n.s.	n.s.	
Burning Ground Spring														
16-2652	0316-96-3000	Unfiltered	12/20/96	WGS	Canon de Valle	NA		NA		NA		NA	NA	
16-2652	0316-97-3008	Filtered	3/31/97	WGS	Canon de Valle	NA		3.54		0.02	U	7.34	0.23	
16-2652	0316-97-3011	Unfiltered	3/31/97	WGS	Canon de Valle	NA		3.14		0.02	U	7.25	0.15	
16-2652	0316-97-3018	Filtered	6/27/97	WGS	Canon de Valle	NA		NA		NA		7.3	NA	
16-2652	0316-97-3019	Unfiltered	6/27/97	WGS	Canon de Valle	NA		NA		NA		7.3	NA	
16-2652	0316-97-3104	Unfiltered	9/19/97	WGS	Canon de Valle	NA		NA		NA		7.19	NA	
16-2652	0316-97-3105	Filtered	9/19/97	WGS	Canon de Valle	NA		NA		NA		7.21	NA	
16-2652	0316-97-3189	Filtered	12/19/97	WGS	Canon de Valle	0.05	U	NA		NA		NA	NA	
16-2652	0316-97-3190	Unfiltered	12/19/97	WGS	Canon de Valle	1.4		NA		NA		NA	NA	
16-2652	RE16-98-3016	Filtered	3/30/98	WGS	Canon de Valle	NA		0.8	U	0.1	U	NA	0.2	U
16-2652	RE16-98-3017	Unfiltered	3/30/98	WGS	Canon de Valle	NA		0.8	U	0.1	U	NA	0.2	U
16-2652	RE16-98-3042	Filtered	6/25/98	WGS	Canon de Valle	1		NA	U	NA	U	NA	NA	
16-2652	RE16-98-3043	Unfiltered	6/25/98	WGS	Canon de Valle	2.1		NA	U	NA	U	NA	NA	

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Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Phosphorus, Total (Expressed as P) (mg/L)	Rubidium (mg/L)	Silicon (mg/L)	Silicon Dioxide (mg/L)	Solids, Total Dissolved (mg/L)	Solids Total Suspended (mg/L)		Strontium (mg/L)
NM Livestock Watering Standard[d]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.		n.s.
NM Wildlife Habitat Standard[e]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.		n.s.
NM Ground Water Standard[f]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.		n.s.
Burning Ground Spring													
16-2652	0316-96-3000	Unfiltered	12/20/96	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA		NA
16-2652	0316-97-3008	Filtered	3/31/97	WGS	Canon de Valle	NA	0.007	28.7	61.4	220.878	NA		0.1
16-2652	0316-97-3011	Unfiltered	3/31/97	WGS	Canon de Valle	NA	0.013	27.7	59.3	218.82	NA		0.1
16-2652	0316-97-3018	Filtered	6/27/97	WGS	Canon de Valle	NA	NA	21.3	NA	150	62		NA
16-2652	0316-97-3019	Unfiltered	6/27/97	WGS	Canon de Valle	NA	NA	20.9	NA	150	40	U	NA
16-2652	0316-97-3104	Unfiltered	9/19/97	WGS	Canon de Valle	NA	NA	20	NA	150	5	U	NA
16-2652	0316-97-3105	Filtered	9/19/97	WGS	Canon de Valle	NA	NA	19	NA	140	5	U	NA
16-2652	0316-97-3189	Filtered	12/19/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA		NA
16-2652	0316-97-3190	Unfiltered	12/19/97	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA		NA
16-2652	RE16-98-3016	Filtered	3/30/98	WGS	Canon de Valle	NA	NA	NA	NA	170	20	U	0.108
16-2652	RE16-98-3017	Unfiltered	3/30/98	WGS	Canon de Valle	NA	NA	NA	NA	200	20	U	0.11
16-2652	RE16-98-3042	Filtered	6/25/98	WGS	Canon de Valle	0.12	NA	NA	NA	130	20	U	0.101
16-2652	RE16-98-3043	Unfiltered	6/25/98	WGS	Canon de Valle	0.097	NA	NA	NA	140	20	U	0.0981

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, spring

(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(f) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(g) n.s. = no standard. A numerical standard is not available.

(h) NM = Not measured

(i) NA = Not analyzed
SU = Standard unit
NTU = Nephelometric Turbidity Unit

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Canon de Valle Spring Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Sulfate (mg/L)	Thiosulfate (mg/L)	Tin (mg/L)	Titanium (mg/L)	Turbidity (NTU)	Uranium (mg/L)
NM Livestock Watering Standard[d]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[e]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
NM Ground Water Standard[f]						600	n.s.	n.s.	n.s.	n.s.	5
Burning Ground Spring											
16-2652	0316-96-3000	Unfiltered	12/20/96	WGS	Canon de Valle	NA	NA	NA	NA	NA	NA
16-2652	0316-97-3008	Filtered	3/31/97	WGS	Canon de Valle	9.3	0.01 U	0.005 U	0.074	NA	NA
16-2652	0316-97-3011	Unfiltered	3/31/97	WGS	Canon de Valle	9.07	0.01 U	0.005 U	0.098	NA	NA
16-2652	0316-97-3018	Filtered	6/27/97	WGS	Canon de Valle	7	NA	NA	NA	10.5	NA
16-2652	0316-97-3019	Unfiltered	6/27/97	WGS	Canon de Valle	8	NA	NA	NA	7.3	NA
16-2652	0316-97-3104	Unfiltered	9/19/97	WGS	Canon de Valle	13	NA	NA	NA	17	NA
16-2652	0316-97-3105	Filtered	9/19/97	WGS	Canon de Valle	12	NA	NA	NA	12	NA
16-2652	0316-97-3189	Filtered	12/19/97	WGS	Canon de Valle	9	NA	NA	NA	NA	NA
16-2652	0316-97-3190	Unfiltered	12/19/97	WGS	Canon de Valle	5	NA	NA	NA	NA	NA
16-2652	RE16-98-3016	Filtered	3/30/98	WGS	Canon de Valle	8	NA	NA	NA	NA	0.0804 U
16-2652	RE16-98-3017	Unfiltered	3/30/98	WGS	Canon de Valle	8	NA	NA	NA	NA	0.0804 U
16-2652	RE16-98-3042	Filtered	6/25/98	WGS	Canon de Valle	7.4	NA	NA	NA	NA	0.126 U
16-2652	RE16-98-3043	Unfiltered	6/25/98	WGS	Canon de Valle	7.4	NA	NA	NA	NA	0.126 U

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, spring

(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(f) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(g) n.s. = no standard. A numerical standard is not available.

(h) NM = Not measured

(i) NA = Not analyzed
SU = Standard unit
NTU = Nephelometric Turbidity Unit

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

TABLE CDV-260-3

Canon de Valle Spring Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Estimated Flow Rate[c] (cfs)	Acetone (mg/L)		Amino-2,6-dinitrotoluene[4-] (mg/L)		Amino-4,6-dinitrotoluene[2-] (mg/L)		Bromomethane (mg/L)	
NM Livestock Watering Standard[d]							n.s.[g]		n.s.		n.s.		n.s.	
NM Wildlife Habitat Standard[e]							n.s.		n.s.		n.s.		n.s.	
NM Ground Water Standard[f]							n.s.		n.s.		n.s.		n.s.	
Martin Spring														
16-2650	0316-96-3002	Unfiltered	12/20/96	WGS	Canon de Valle	NM[h]	0.018	J	0.00303		0.00232		0.01	U
16-2650	0316-97-3000	Filtered	3/31/97	WGS	Canon de Valle	0.002	NA[i]		0.00025	U	0.00025	U	NA	
16-2650	0316-97-3001	Unfiltered	3/31/97	WGS	Canon de Valle	0.002	0.039		0.00025	U	0.00025	U	0.01	U
16-2650	0316-97-3012	Filtered	6/27/97	WGS	Canon de Valle	0.001	NA		0.0026		0.00198		NA	
16-2650	0316-97-3013	Unfiltered	6/27/97	WGS	Canon de Valle	0.001	NA		0.00283		0.00211		NA	
16-2650	0316-97-3101	Filtered	9/19/97	WGS	Canon de Valle	0.001	NA		0.0013	U	0.0013	U	NA	
16-2650	0316-97-3111	Unfiltered	9/19/97	WGS	Canon de Valle	0.001	0.034		0.0013	U	0.0013	U	0.01	U
16-2650	0316-97-3185	Filtered	12/19/97	WGS	Canon de Valle	0	0.02	U	0.0039	U	NA		0.01	U
16-2650	0316-97-3186	Unfiltered	12/19/97	WGS	Canon de Valle	0	0.055		0.0052		NA		0.01	U
16-2650	RE16-98-3012	Filtered	3/30/98	WGS	Canon de Valle	NM	0.028		0.00219		0.00192		0.01	U
16-2650	RE16-98-3013	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.029	U	0.00259		0.00213		0.01	U
16-2650	RE16-98-3038	Filtered	6/25/98	WGS	Canon de Valle	NM	NA		0.0066		NA		NA	
16-2650	RE16-98-3039	Unfiltered	6/25/98	WGS	Canon de Valle	NM	0.038		0.0052		NA		0.01	U

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, spring

(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(f) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(g) n.s. = no standard. A numerical standard is not available.

(h) NM = Not measured

(i) NA = Not analyzed

Explanation of data qualifier flags:

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The associated numerical value is the quantitation limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated quantitation limit.

J = The reported value is an estimated quantity.

J- = The analyte was positively identified, and the result is likely biased low.

R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

TABLE CDV-260-3

Canon de Valle Spring Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Chloromethane (mg/L)		Dichloroethane[1,2-] (mg/L)		Di-n-butylphthalate (mg/L)		Dinitrobenzene[1,3-] (mg/L)		Dinitrotoluene[2,4-] (mg/L)	
NM Livestock Watering Standard[g]						n.s.		n.s.		n.s.		n.s.		n.s.	
NM Wildlife Habitat Standard[g]						n.s.		n.s.		n.s.		n.s.		n.s.	
NM Ground Water Standard[f]						n.s.		0.01		n.s.		n.s.		n.s.	
Martin Spring															
16-2650	0316-96-3002	Unfiltered	12/20/96	WGS	Canon de Valle	0.016		0.005		NA		0.000048	U	0.00013	
16-2650	0316-97-3000	Filtered	3/31/97	WGS	Canon de Valle	NA		NA		0.01	U	0.00025	U	0.00025	U
16-2650	0316-97-3001	Unfiltered	3/31/97	WGS	Canon de Valle	0.012		0.005	U	0.01	U	0.00025	U	0.00025	U
16-2650	0316-97-3012	Filtered	6/27/97	WGS	Canon de Valle	NA		NA		0.01	U	0.000048	U	0.000103	
16-2650	0316-97-3013	Unfiltered	6/27/97	WGS	Canon de Valle	NA		NA		0.01	U	0.000048	U	0.000126	
16-2650	0316-97-3101	Filtered	9/19/97	WGS	Canon de Valle	NA		NA		0.01	U	0.0013	U	0.0013	U
16-2650	0316-97-3111	Unfiltered	9/19/97	WGS	Canon de Valle	0.01	U	0.005	U	0.01	U	0.0013	U	0.0013	UJ
16-2650	0316-97-3185	Filtered	12/19/97	WGS	Canon de Valle	0.01	U	0.005	U	0.01	U	0.002	U	0.002	U
16-2650	0316-97-3186	Unfiltered	12/19/97	WGS	Canon de Valle	0.011		0.0077	U	0.01	U	0.002	U	0.002	U
16-2650	RE16-98-3012	Filtered	3/30/98	WGS	Canon de Valle	0.01	U	0.005	U	0.01	U	0.000048	U	0.000097	
16-2650	RE16-98-3013	Unfiltered	3/30/98	WGS	Canon de Valle	0.01	U	0.005	U	0.01	U	0.000048	U	0.000098	
16-2650	RE16-98-3038	Filtered	6/25/98	WGS	Canon de Valle	NA		NA		NA		0.0002	U	0.0002	U
16-2650	RE16-98-3039	Unfiltered	6/25/98	WGS	Canon de Valle	0.01	U	0.005	U	NA		0.0002	U	0.0002	U

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, spring

(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(f) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

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Explanation of data qualifier flags:

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The associated numerical value is the quantitation limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated quantitation limit.

J = The reported value is an estimated quantity.

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R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

TABLE CDV-260-3

Canon de Valle Spring Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	HMX (mg/L)		Nitrotoluene[3-] (mg/L)		RDX (mg/L)	Tetrachloroethene (mg/L)		Tetryl (mg/L)	
NM Livestock Watering Standard[d]						n.s.		n.s.		n.s.	n.s.		n.s.	
NM Wildlife Habitat Standard[e]						n.s.		n.s.		n.s.	n.s.		n.s.	
NM Ground Water Standard[f]						n.s.		n.s.		n.s.	0.02		n.s.	
Martin Spring														
16-2650	0316-96-3002	Unfiltered	12/20/96	WGS	Canon de Valle	0.0177		0.000105	U	0.157	0.005	U	0.000683	
16-2650	0316-97-3000	Filtered	3/31/97	WGS	Canon de Valle	0.001	U	0.001	U	0.0055	NA		0.001	U
16-2650	0316-97-3001	Unfiltered	3/31/97	WGS	Canon de Valle	0.001	U	0.001	U	0.00423	0.005	U	0.001	U
16-2650	0316-97-3012	Filtered	6/27/97	WGS	Canon de Valle	0.0166		0.000104	U	0.132	NA		0.000055	U
16-2650	0316-97-3013	Unfiltered	6/27/97	WGS	Canon de Valle	0.0169		0.000104	U	0.135	NA		0.000055	U
16-2650	0316-97-3101	Filtered	9/19/97	WGS	Canon de Valle	0.005	U	0.005	U	0.045	NA		0.005	U
16-2650	0316-97-3111	Unfiltered	9/19/97	WGS	Canon de Valle	0.0072		0.005	U	0.051	0.005	U	0.005	U
16-2650	0316-97-3185	Filtered	12/19/97	WGS	Canon de Valle	0.017	U	0.0078	U	0.076	0.005	U	0.0058	U
16-2650	0316-97-3186	Unfiltered	12/19/97	WGS	Canon de Valle	0.0094	J	0.0078	U	0.12	0.005	U	0.0058	U
16-2650	RE16-98-3012	Filtered	3/30/98	WGS	Canon de Valle	0.0148		0.000096	U	0.139	0.005	U	0.000062	U
16-2650	RE16-98-3013	Unfiltered	3/30/98	WGS	Canon de Valle	0.0163		0.000096	U	0.151	0.005	U	0.000062	U
16-2650	RE16-98-3038	Filtered	6/25/98	WGS	Canon de Valle	0.014		0.00078	U	0.1	NA		0.00058	U
16-2650	RE16-98-3039	Unfiltered	6/25/98	WGS	Canon de Valle	0.012		0.00078	U	0.091	0.005	U	0.00058	U

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, spring

(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(f) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

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The associated numerical value is the quantitation limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated quantitation limit.

J = The reported value is an estimated quantity.

J- = The analyte was positively identified, and the result is likely biased low.

R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

TABLE CDV-260-3

Canon de Valle Spring Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Trichloroethene (mg/L)		Trinitrobenzene [1,3,5-] (mg/L)		Trinitrotoluene [2,4,6-] (mg/L)	
NM Livestock Watering Standard[d]						n.s.		n.s.		n.s.	
NM Wildlife Habitat Standard[e]						n.s.		n.s.		n.s.	
NM Ground Water Standard[f]						0.1		n.s.		n.s.	
Martin Spring											
16-2650	0316-96-3002	Unfiltered	12/20/96	WGS	Canon de Valle	0.005	U	0.00144		0.000075	
16-2650	0316-97-3000	Filtered	3/31/97	WGS	Canon de Valle	NA		0.00026	U	0.00025	U
16-2650	0316-97-3001	Unfiltered	3/31/97	WGS	Canon de Valle	0.005	U	0.00026	U	0.00025	U
16-2650	0316-97-3012	Filtered	6/27/97	WGS	Canon de Valle	NA		0.000535		0.00005	U
16-2650	0316-97-3013	Unfiltered	6/27/97	WGS	Canon de Valle	NA		0.000995		0.000051	
16-2650	0316-97-3101	Filtered	9/19/97	WGS	Canon de Valle	NA		0.0013	U	0.0013	U
16-2650	0316-97-3111	Unfiltered	9/19/97	WGS	Canon de Valle	0.005	U	0.0013	UJ	0.0013	UJ
16-2650	0316-97-3185	Filtered	12/19/97	WGS	Canon de Valle	0.005	U	0.002	U	0.002	U
16-2650	0316-97-3186	Unfiltered	12/19/97	WGS	Canon de Valle	0.005	U	0.002	U	0.002	U
16-2650	RE16-98-3012	Filtered	3/30/98	WGS	Canon de Valle	0.005	U	0.00163		0.000048	U
16-2650	RE16-98-3013	Unfiltered	3/30/98	WGS	Canon de Valle	0.005	U	0.00155		0.000048	U
16-2650	RE16-98-3038	Filtered	6/25/98	WGS	Canon de Valle	NA		0.0023		0.0002	U
16-2650	RE16-98-3039	Unfiltered	6/25/98	WGS	Canon de Valle	0.005	U	0.0021		0.0002	U

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, spring

(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

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TABLE CDV-260-3

Canon de Valle Spring Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Estimated Flow Rate[c] (cfs)	Acetone (mg/L)		Amino-2,6-dinitrotoluene[4-] (mg/L)		Amino-4,6-dinitrotoluene[2-] (mg/L)		Bromomethane (mg/L)	
NM Livestock Watering Standard[d]							n.s.[g]		n.s.		n.s.		n.s.	
NM Wildlife Habitat Standard[e]							n.s.		n.s.		n.s.		n.s.	
NM Ground Water Standard[f]							n.s.		n.s.		n.s.		n.s.	
SWSC Spring														
16-2651	0316-96-3001	Unfiltered	12/20/96	WGS	Canon de Valle	NM	0.012	J	0.000939		0.000589		0.01	U
16-2651	0316-97-3003	Filtered	3/31/97	WGS	Canon de Valle	0.021	NA		0.00025	U	0.00025	U	NA	
16-2651	0316-97-3004	Unfiltered	3/31/97	WGS	Canon de Valle	0.021	0.02	U	0.00025	U	0.00025	U	0.01	U
16-2651	0316-97-3020	Filtered	6/27/97	WGS	Canon de Valle	0.007	NA		0.000663		0.000423		NA	
16-2651	0316-97-3021	Unfiltered	6/27/97	WGS	Canon de Valle	0.007	0.023	U	0.000725		0.000451		0.01	U
16-2651	0316-97-3108	Unfiltered	9/22/97	WGS	Canon de Valle	0.013	0.036		0.0025	U	0.0025	U	0.01	U
16-2651	0316-97-3109	Filtered	9/22/97	WGS	Canon de Valle	0.013	NA		0.0025	U	0.0025	U	NA	
16-2651	0316-97-3187	Filtered	12/19/97	WGS	Canon de Valle	0.004	0.026	U	0.0039	U	NA		0.01	U
16-2651	0316-97-3188	Unfiltered	12/19/97	WGS	Canon de Valle	0.004	0.023	U	0.0039	U	NA		0.01	U
16-2651	RE16-98-3014	Filtered	3/30/98	WGS	Canon de Valle	NM	0.021		0.00132		0.00111		0.01	U
16-2651	RE16-98-3015	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.023		0.00145		0.00118		0.01	U
16-2651	RE16-98-3040	Filtered	6/23/98	WGS	Canon de Valle	NM	NA		NA		NA		NA	
16-2651	RE16-98-3041	Unfiltered	6/23/98	WGS	Canon de Valle	NM	0.02	U	NA		NA		0.01	U

NOTES:

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TABLE CDV-260-3

Canon de Valle Spring Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Chloromethane (mg/L)		Dichloroethane[1,2-] (mg/L)		Di-n-butylphthalate (mg/L)		Dinitrobenzene[1,3-] (mg/L)		Dinitrotoluene[2,4-] (mg/L)	
NM Livestock Watering Standard[d]						n.s.		n.s.		n.s.		n.s.		n.s.	
NM Wildlife Habitat Standard[e]						n.s.		n.s.		n.s.		n.s.		n.s.	
NM Ground Water Standard[f]						n.s.		0.01		n.s.		n.s.		n.s.	
SWSC Spring															
16-2651	0316-96-3001	Unfiltered	12/20/96	WGS	Canon de Valle	0.012		0.003	J	0.01	U	0.000074		0.000058	
16-2651	0316-97-3003	Filtered	3/31/97	WGS	Canon de Valle	NA		NA		0.01	U	0.00025	U	0.00025	U
16-2651	0316-97-3004	Unfiltered	3/31/97	WGS	Canon de Valle	0.01	U	0.005	U	0.01	U	0.00025	U	0.00025	U
16-2651	0316-97-3020	Filtered	6/27/97	WGS	Canon de Valle	NA		NA		0.01	U	0.000048	U	0.000042	
16-2651	0316-97-3021	Unfiltered	6/27/97	WGS	Canon de Valle	0.005	J	0.004	J	0.01	U	0.000048	U	0.000051	
16-2651	0316-97-3108	Unfiltered	9/22/97	WGS	Canon de Valle	0.01	U	0.005	U	0.01	U	0.0025	U	0.0025	U
16-2651	0316-97-3109	Filtered	9/22/97	WGS	Canon de Valle	NA		NA		0.01	U	0.0025	U	0.0025	U
16-2651	0316-97-3187	Filtered	12/19/97	WGS	Canon de Valle	0.01	U	0.005	U	0.01	U	0.002	U	0.002	U
16-2651	0316-97-3188	Unfiltered	12/19/97	WGS	Canon de Valle	0.01	U	0.005	U	0.01	U	0.002	U	0.002	U
16-2651	RE16-98-3014	Filtered	3/30/98	WGS	Canon de Valle	0.01	U	0.005	U	0.01	U	0.000048	U	0.000034	U
16-2651	RE16-98-3015	Unfiltered	3/30/98	WGS	Canon de Valle	0.01	U	0.005	U	0.01	U	0.000048	U	0.000034	U
16-2651	RE16-98-3040	Filtered	6/23/98	WGS	Canon de Valle	NA		NA		NA		0.0002	U	0.0002	U
16-2651	RE16-98-3041	Unfiltered	6/23/98	WGS	Canon de Valle	0.01	U	0.005	U	NA		0.0002	U	0.0002	U

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, spring

(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(f) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

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TABLE CDV-260-3

Canon de Valle Spring Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[d]	Collection Date	Media Code[b]	Watershed	HMX (mg/L)		Nitrotoluene[3-] (mg/L)		RDX (mg/L)	Tetrachloroethene (mg/L)		Tetryl (mg/L)	
NM Livestock Watering Standard[g]						n.s.		n.s.		n.s.	n.s.		n.s.	
NM Wildlife Habitat Standard[g]						n.s.		n.s.		n.s.	n.s.		n.s.	
NM Ground Water Standard[f]						n.s.		n.s.		n.s.	0.02		n.s.	
SWSC Spring														
16-2651	0316-96-3001	Unfiltered	12/20/96	WGS	Canon de Valle	0.00257		0.000105	U	0.0499	0.005	U	0.000072	
16-2651	0316-97-3003	Filtered	3/31/97	WGS	Canon de Valle	0.001	U	0.001	U	0.00197	NA		0.001	U
16-2651	0316-97-3004	Unfiltered	3/31/97	WGS	Canon de Valle	0.001	U	0.001	U	0.0015	0.005	U	0.001	U
16-2651	0316-97-3020	Filtered	6/27/97	WGS	Canon de Valle	0.00226		0.000111		0.0317	NA		0.000055	U
16-2651	0316-97-3021	Unfiltered	6/27/97	WGS	Canon de Valle	0.00223		0.000104	U	0.032	0.0028	J	0.000055	U
16-2651	0316-97-3108	Unfiltered	9/22/97	WGS	Canon de Valle	0.01	U	0.01	U	0.086	0.005	U	0.01	U
16-2651	0316-97-3109	Filtered	9/22/97	WGS	Canon de Valle	0.01	U	0.01	U	0.084	NA		0.01	U
16-2651	0316-97-3187	Filtered	12/19/97	WGS	Canon de Valle	0.017	U	0.0078	U	0.04	0.005	U	0.0058	U
16-2651	0316-97-3188	Unfiltered	12/19/97	WGS	Canon de Valle	0.017	U	0.0078	U	0.039	0.005	U	0.0058	U
16-2651	RE16-98-3014	Filtered	3/30/98	WGS	Canon de Valle	0.00449		0.000096	U	0.0719	0.005	U	0.000062	U
16-2651	RE16-98-3015	Unfiltered	3/30/98	WGS	Canon de Valle	0.00464		0.000096	U	0.074	0.005	U	0.000062	U
16-2651	RE16-98-3040	Filtered	6/23/98	WGS	Canon de Valle	0.0019	J	0.00078	U	0.017	NA		0.00089	U
16-2651	RE16-98-3041	Unfiltered	6/23/98	WGS	Canon de Valle	0.002	J	0.00078	U	0.018	0.005	U	0.0012	U

NOTES:

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TABLE CDV-260-3

Canon de Valle Spring Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Trichloroethene (mg/L)		Trinitrobenzene [1,3,5-] (mg/L)		Trinitrotoluene [2,4,6-] (mg/L)	
NM Livestock Watering Standard[d]						n.s.		n.s.		n.s.	
NM Wildlife Habitat Standard[e]						n.s.		n.s.		n.s.	
NM Ground Water Standard[f]						0.1		n.s.		n.s.	
SWSC Spring											
16-2651	0316-96-3001	Unfiltered	12/20/96	WGS	Canon de Valle	0.005	U	0.000111		0.000052	U
16-2651	0316-97-3003	Filtered	3/31/97	WGS	Canon de Valle	NA		0.00026	U	0.00025	U
16-2651	0316-97-3004	Unfiltered	3/31/97	WGS	Canon de Valle	0.005	U	0.00026	U	0.00025	U
16-2651	0316-97-3020	Filtered	6/27/97	WGS	Canon de Valle	NA		0.00014		0.00005	U
16-2651	0316-97-3021	Unfiltered	6/27/97	WGS	Canon de Valle	0.002	J	0.000068		0.00005	U
16-2651	0316-97-3108	Unfiltered	9/22/97	WGS	Canon de Valle	0.005	U	0.0026	U	0.0025	U
16-2651	0316-97-3109	Filtered	9/22/97	WGS	Canon de Valle	NA		0.0026	U	0.0025	U
16-2651	0316-97-3187	Filtered	12/19/97	WGS	Canon de Valle	0.005	U	0.002	U	0.002	U
16-2651	0316-97-3188	Unfiltered	12/19/97	WGS	Canon de Valle	0.005	U	0.002	U	0.002	U
16-2651	RE16-98-3014	Filtered	3/30/98	WGS	Canon de Valle	0.005	U	0.00034		0.000153	
16-2651	RE16-98-3015	Unfiltered	3/30/98	WGS	Canon de Valle	0.005	U	0.000315		0.00011	
16-2651	RE16-98-3040	Filtered	6/23/98	WGS	Canon de Valle	NA		0.0002	U	0.0002	U
16-2651	RE16-98-3041	Unfiltered	6/23/98	WGS	Canon de Valle	0.005	U	0.0002	U	0.0002	U

NOTES:

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Canon de Valle Spring Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Estimated Flow Rate[c] (cfs)	Acetone (mg/L)		Amino-2,6-dinitrotoluene[4-] (mg/L)		Amino-4,6-dinitrotoluene[2-] (mg/L)		Bromomethane (mg/L)	
NM Livestock Watering Standard[d]							n.s.[g]		n.s.		n.s.		n.s.	
NM Wildlife Habitat Standard[e]							n.s.		n.s.		n.s.		n.s.	
NM Ground Water Standard[f]							n.s.		n.s.		n.s.		n.s.	
Burning Ground Spring														
16-2652	0316-96-3000	Unfiltered	12/20/96	WGS	Canon de Valle	NM	0.018	J	0.000317		0.000236		0.004	J
16-2652	0316-97-3006	Filtered	3/31/97	WGS	Canon de Valle	0.046	NA		0.00025	U	0.00025	U	NA	
16-2652	0316-97-3007	Unfiltered	3/31/97	WGS	Canon de Valle	0.046	0.026		0.00025	U	0.00025	U	0.01	U
16-2652	0316-97-3016	Filtered	6/27/97	WGS	Canon de Valle	0.03	NA		0.00023		0.000168		NA	
16-2652	0316-97-3017	Unfiltered	6/27/97	WGS	Canon de Valle	0.03	NA		0.000234		0.000165		NA	
16-2652	0316-97-3104	Unfiltered	9/19/97	WGS	Canon de Valle	0.042	0.029		0.00025	U	0.00025	U	0.01	U
16-2652	0316-97-3105	Filtered	9/19/97	WGS	Canon de Valle	0.042	NA		0.00025	U	0.00025	U	NA	
16-2652	0316-97-3189	Filtered	12/19/97	WGS	Canon de Valle	0.015	0.025	U	0.0039	U	NA		0.01	U
16-2652	0316-97-3190	Unfiltered	12/19/97	WGS	Canon de Valle	0.015	0.02	U	0.0039	U	NA		0.01	U
16-2652	RE16-98-3016	Filtered	3/30/98	WGS	Canon de Valle	NM	0.021		0.000279		0.000263		0.01	U
16-2652	RE16-98-3017	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.024		0.000317		0.000252		0.01	U
16-2652	RE16-98-3042	Filtered	6/25/98	WGS	Canon de Valle	NM	NA		0.00039	U	NA		NA	
16-2652	RE16-98-3043	Unfiltered	6/25/98	WGS	Canon de Valle	NM	0.049		0.00039	U	NA		0.01	U

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TABLE CDV-260-3

Canon de Valle Spring Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[d]	Collection Date	Media Code[b]	Watershed	Chloromethane (mg/L)		Dichloroethane[1,2-] (mg/L)		Di-n-butylphthalate (mg/L)		Dinitrobenzene[1,3-] (mg/L)		Dinitrotoluene[2,4-] (mg/L)	
NM Livestock Watering Standard[g]						n.s.		n.s.		n.s.		n.s.		n.s.	
NM Wildlife Habitat Standard[g]						n.s.		n.s.		n.s.		n.s.		n.s.	
NM Ground Water Standard[f]						n.s.		0.01		n.s.		n.s.		n.s.	
Burning Ground Spring															
16-2652	0316-96-3000	Unfiltered	12/20/96	WGS	Canon de Valle	0.03		0.006		0.001	J	0.000048	U	0.000046	
16-2652	0316-97-3006	Filtered	3/31/97	WGS	Canon de Valle	NA		NA		0.01	U	0.00025	U	0.00025	U
16-2652	0316-97-3007	Unfiltered	3/31/97	WGS	Canon de Valle	0.01	U	0.005	U	0.01	U	0.00025	U	0.00025	U
16-2652	0316-97-3016	Filtered	6/27/97	WGS	Canon de Valle	NA		NA		0.01	R	0.000048	U	0.000039	
16-2652	0316-97-3017	Unfiltered	6/27/97	WGS	Canon de Valle	NA		NA		0.01	U	0.000048	U	0.000036	U
16-2652	0316-97-3104	Unfiltered	9/19/97	WGS	Canon de Valle	0.01	U	0.005	U	0.01	U	0.00025	U	0.00025	U
16-2652	0316-97-3105	Filtered	9/19/97	WGS	Canon de Valle	NA		NA		0.01	U	0.00025	U	0.00025	U
16-2652	0316-97-3189	Filtered	12/19/97	WGS	Canon de Valle	0.01	U	0.005	U	0.01	U	0.002	U	0.002	U
16-2652	0316-97-3190	Unfiltered	12/19/97	WGS	Canon de Valle	0.01	U	0.005	U	0.01	U	0.002	U	0.002	U
16-2652	RE16-98-3016	Filtered	3/30/98	WGS	Canon de Valle	0.01	U	0.005	U	NA		0.000048	U	0.000034	U
16-2652	RE16-98-3017	Unfiltered	3/30/98	WGS	Canon de Valle	0.01	U	0.005	U	0.01	U	0.000048	U	0.000034	U
16-2652	RE16-98-3042	Filtered	6/25/98	WGS	Canon de Valle	NA		NA		NA		0.0002	U	0.0002	U
16-2652	RE16-98-3043	Unfiltered	6/25/98	WGS	Canon de Valle	0.01	U	0.005	U	NA		0.0002	U	0.0002	U

NOTES:

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TABLE CDV-260-3

Canon de Valle Spring Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	HMX (mg/L)		Nitrotoluene[3-] (mg/L)		RDX (mg/L)		Tetrachloroethene (mg/L)		Tetryl (mg/L)	
NM Livestock Watering Standard[d]						n.s.		n.s.		n.s.		n.s.		n.s.	
NM Wildlife Habitat Standard[e]						n.s.		n.s.		n.s.		n.s.		n.s.	
NM Ground Water Standard[f]						n.s.		n.s.		n.s.		0.02		n.s.	
Burning Ground Spring															
16-2652	0316-96-3000	Unfiltered	12/20/96	WGS	Canon de Valle	0.0018		0.000105	U	0.0234		0.005	U	0.000055	U
16-2652	0316-97-3006	Filtered	3/31/97	WGS	Canon de Valle	0.001	U	0.001	U	0.001		NA		0.001	U
16-2652	0316-97-3007	Unfiltered	3/31/97	WGS	Canon de Valle	0.001	U	0.001	U	0.0012		0.005	U	0.001	U
16-2652	0316-97-3016	Filtered	6/27/97	WGS	Canon de Valle	0.00156		0.000104	U	0.015		NA		0.000055	U
16-2652	0316-97-3017	Unfiltered	6/27/97	WGS	Canon de Valle	0.00168		0.000104	U	0.0141		NA		0.000055	U
16-2652	0316-97-3104	Unfiltered	9/19/97	WGS	Canon de Valle	0.0019	J-	0.001	U	0.013	J-	0.005	U	0.001	U
16-2652	0316-97-3105	Filtered	9/19/97	WGS	Canon de Valle	0.0013		0.001	U	0.012		NA		0.001	U
16-2652	0316-97-3189	Filtered	12/19/97	WGS	Canon de Valle	0.017	U	0.0078	U	0.021		0.005	U	0.0058	U
16-2652	0316-97-3190	Unfiltered	12/19/97	WGS	Canon de Valle	0.017	U	0.0078	U	0.02		0.005	U	0.0058	U
16-2652	RE16-98-3016	Filtered	3/30/98	WGS	Canon de Valle	0.00255		0.000096	U	0.0292		0.005	U	0.000062	U
16-2652	RE16-98-3017	Unfiltered	3/30/98	WGS	Canon de Valle	0.00306		0.000096	U	0.0298		0.005	U	0.000062	U
16-2652	RE16-98-3042	Filtered	6/25/98	WGS	Canon de Valle	0.0021		0.00078	U	0.012		NA		0.00058	U
16-2652	RE16-98-3043	Unfiltered	6/25/98	WGS	Canon de Valle	0.0017	U	0.00078	U	0.0083		0.005	U	0.00058	U

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R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

TABLE CDV-260-3

Canon de Valle Spring Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Trichloroethene (mg/L)		Trinitrobenzene [1,3,5-] (mg/L)		Trinitrotoluene [2,4,6-] (mg/L)	
NM Livestock Watering Standard[d]						n.s.		n.s.		n.s.	
NM Wildlife Habitat Standard[e]						n.s.		n.s.		n.s.	
NM Ground Water Standard[f]						0.1		n.s.		n.s.	
Burning Ground Spring											
16-2652	0316-96-3000	Unfiltered	12/20/96	WGS	Canon de Valle	0.002	J	0.00065		0.000052	U
16-2652	0316-97-3006	Filtered	3/31/97	WGS	Canon de Valle	NA		0.00026	U	0.00025	U
16-2652	0316-97-3007	Unfiltered	3/31/97	WGS	Canon de Valle	0.005	U	0.00026	U	0.00025	U
16-2652	0316-97-3016	Filtered	6/27/97	WGS	Canon de Valle	NA		0.000484		0.00005	U
16-2652	0316-97-3017	Unfiltered	6/27/97	WGS	Canon de Valle	NA		0.000337		0.00005	U
16-2652	0316-97-3104	Unfiltered	9/19/97	WGS	Canon de Valle	0.005	U	0.00026	U	0.00025	U
16-2652	0316-97-3105	Filtered	9/19/97	WGS	Canon de Valle	NA		0.00026	U	0.00025	U
16-2652	0316-97-3189	Filtered	12/19/97	WGS	Canon de Valle	0.005	U	0.002	U	0.002	U
16-2652	0316-97-3190	Unfiltered	12/19/97	WGS	Canon de Valle	0.005	U	0.002	U	0.002	U
16-2652	RE16-98-3016	Filtered	3/30/98	WGS	Canon de Valle	0.005	U	0.000792		0.000048	U
16-2652	RE16-98-3017	Unfiltered	3/30/98	WGS	Canon de Valle	0.005	U	0.000741		0.000048	U
16-2652	RE16-98-3042	Filtered	6/25/98	WGS	Canon de Valle	NA		0.00053		0.0002	U
16-2652	RE16-98-3043	Unfiltered	6/25/98	WGS	Canon de Valle	0.005	U	0.00026		0.0002	U

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, spring

(c) Flow rates were measured with a flowmeter. Data was collected in 15 minute increments over a 24 hour period and averaged.

(d) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(e) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(f) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(g) n.s. = no standard. A numerical standard is not available.

(h) NM = Not measured

(i) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the quantitation limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated quantitation limit.

J = The reported value is an estimated quantity.

J- = The analyte was positively identified, and the result is likely biased low.

R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

Canon de Valle Surface Water Samples:

Inorganic Chemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Aluminum (mg/L)		Antimony (mg/L)		Arsenic (mg/L)		Barium (mg/L)	Beryllium (mg/L)		Cadmium (mg/L)	
NM Livestock Watering Standard[c]							5.0		n.s.		0.2		n.s.	n.s.		0.05	
NM Wildlife Habitat Standard[d]							n.s.[e]		n.s.		n.s.		n.s.	n.s.		n.s.	
16-1001	1300	AAB1597	Filtered	4/18/94	WSF	Canon de Valle	0.12		0.004		0.002	U	2.9	0.001	U	0.003	U
16-1001	1300	AAB1603	Unfiltered	4/18/94	WSF	Canon de Valle	0.31		0.002	U	0.002	U	3	0.001	U	0.003	U
16-1002	1400	AAB1598	Filtered	4/18/94	WSF	Canon de Valle	0.15		0.003		0.002	U	3	0.001	U	0.003	U
16-1002	1400	AAB1604	Unfiltered	4/18/94	WSF	Canon de Valle	0.56		0.002	U	0.002	U	3	0.001	U	0.003	U
16-1003	1500	AAB1599	Filtered	4/18/94	WSF	Canon de Valle	0.151		0.02	U	0.015	U	2.89	0.001	U	0.002	U
16-1003	1500	AAB1605	Unfiltered	4/18/94	WSF	Canon de Valle	0.74		0.002	U	0.002	U	3.1	0.001	U	0.003	U
16-1004	1950	AAB1600	Filtered	4/18/94	WSF	Canon de Valle	0.1	U	0.002		0.002	U	3.3	0.001	U	0.003	U
16-1004	1950	AAB1606	Unfiltered	4/18/94	WSF	Canon de Valle	0.37		0.002	U	0.002	U	3.4	0.001	U	0.003	U
16-1005	2125	AAB1601	Filtered	4/18/94	WSF	Canon de Valle	0.0516		0.02	U	0.015	U	3.06	0.001	U	0.002	U
16-1005	2125	AAB1607	Unfiltered	4/18/94	WSF	Canon de Valle	0.18		0.002	U	0.002	U	3.4	0.001	U	0.003	U
16-1006	2350	AAB1602	Filtered	4/18/94	WSF	Canon de Valle	0.281		0.02	U	0.015	U	3.2	0.001	U	0.002	U
16-1006	2350	AAB1608	Unfiltered	4/18/94	WSF	Canon de Valle	0.1	U	0.003		0.002	U	3.3	0.001	U	0.003	U
16-2670	5025	0316-97-0450	Filtered	12/15/97	WSF	Canon de Valle	0.1	U	0.02	U	0.01	U	4.2	0.004	U	0.005	U
16-2670	5025	0316-97-0450	Filtered	12/15/97	WSF	Canon de Valle	0.1	U	0.02	U	0.01	U	4.4	0.004	U	0.005	U
16-2670	5025	0316-97-0460	Unfiltered	12/15/97	WSF	Canon de Valle	0.1	U	0.02	U	0.01	U	4.3	0.004	U	0.005	U
16-2670	5025	0316-97-0460	Unfiltered	12/15/97	WSF	Canon de Valle	0.1		0.02	U	0.01	U	4.4	0.004	U	0.005	U
16-2671	5625	0316-97-0451	Filtered	12/15/97	WSF	Canon de Valle	0.1	U	0.02	U	0.01	U	4.7	0.004	U	0.005	U
16-2671	5625	0316-97-0451	Filtered	12/15/97	WSF	Canon de Valle	0.1	U	0.02	U	0.01	U	4.07	0.004	U	0.005	U
16-2671	5625	0316-97-0461	Unfiltered	12/15/97	WSF	Canon de Valle	0.2		0.02	U	0.01	U	4.8	0.004	U	0.005	U
16-2671	5625	0316-97-0461	Unfiltered	12/15/97	WSF	Canon de Valle	0.2		0.02	U	0.01	U	4.7	0.004	U	0.0005	U
16-2675	8500	0316-97-0455	Filtered	1/6/98	WSF	Canon de Valle	1.5	U	0.02	R	0.004	U	2.5	0.004		0.005	U
16-2675	8500	0316-97-0465	Unfiltered	1/6/98	WSF	Canon de Valle	11	U	0.02	R	0.005		3.6	0.004	U	0.005	U
16-2688	2975	0316-97-3032	Unfiltered	8/13/97	WSF	Canon de Valle	0.664		0.002	U	0.0031	U	4.17	0.0003	U	0.0004	U
16-2689	7400	0316-97-3110	Unfiltered	9/22/97	WSF	Canon de Valle	2.3		0.02	UJ	0.024		3.1	0.004	U	0.005	U
16-2690	300	0316-97-3191	Filtered	12/19/97	WSF	Canon de Valle	0.1	U	0.02	U	0.004	U	0.63	0.004	U	0.005	U
16-2690	300	0316-97-3192	Unfiltered	12/19/97	WSF	Canon de Valle	0.3		0.02	U	0.004	U	0.63	0.004	U	0.005	U
16-2747	1530	0816-96-0045	Filtered	6/28/96	WSF	Canon de Valle	0.7		0.0202	U	0.0056	J	3.62	0.00011	U	0.0036	J
16-2747	1530	0816-96-0047	Unfiltered	6/28/96	WSF	Canon de Valle	3.25		0.0202	U	0.0031	U	4.05	0.00012	J	0.0052	J

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing
(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.
(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.
(e) n.s. = no standard. A numerical standard is not available.
(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the detection limit.
UJ = The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit.
J = The reported value is an estimated quantity.
J- = The analyte was positively identified, and the result is likely biased low.
J+ = The analyte was positively identified, and the result is likely bised high.
R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

Table CDV-260-4

Canon de Valle Surface Water Samples:

Inorganic Chemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Calcium (mg/L)		Chromium, Total (mg/L)		Cobalt (mg/L)		Copper (mg/L)		Cyanide Total (mg/L)		Iron (mg/L)		Lead (mg/L)	
NM Livestock Watering Standard[c]						n.s.		1.0		1.0		0.5		n.s.		n.s.		0.1	
NM Wildlife Habitat Standard[d]						n.s.		n.s.		n.s.		n.s.		n.s.		n.s.		n.s.	
16-1001	1300	AAB1597	Filtered	4/18/94	WSF	18		0.07	U	0.004	U	0.02	U	NA[f]		0.3	U	0.002	U
16-1001	1300	AAB1603	Unfiltered	4/18/94	WSF	19		0.07	U	0.004	U	0.02	U	NA		0.3	U	0.002	U
16-1002	1400	AAB1598	Filtered	4/18/94	WSF	18		0.07	U	0.004	U	0.02	U	NA		0.3	U	0.002	U
16-1002	1400	AAB1604	Unfiltered	4/18/94	WSF	19		0.07	U	0.004	U	0.02	U	NA		0.34		0.002	U
16-1003	1500	AAB1599	Filtered	4/18/94	WSF	15.8		0.0043		0.003	U	0.0046		NA		0.0994		0.016	U
16-1003	1500	AAB1605	Unfiltered	4/18/94	WSF	19		0.07	U	0.004	U	0.02	U	NA		0.35		0.002	U
16-1004	1950	AAB1600	Filtered	4/18/94	WSF	18		0.07	U	0.004	U	0.02	U	NA		0.3	U	0.002	U
16-1004	1950	AAB1606	Unfiltered	4/18/94	WSF	18		0.07	U	0.004	U	0.02	U	NA		0.31		0.002	U
16-1005	2125	AAB1601	Filtered	4/18/94	WSF	15.3		0.0038		0.003	U	0.0032		NA		0.124		0.016	U
16-1005	2125	AAB1607	Unfiltered	4/18/94	WSF	18		0.07	U	0.004	U	0.02	U	NA		0.3	U	0.002	U
16-1006	2350	AAB1602	Filtered	4/18/94	WSF	15.4		0.0042		0.003	U	0.0148		NA		0.257		0.016	U
16-1006	2350	AAB1608	Unfiltered	4/18/94	WSF	17		0.07	U	0.004	U	0.02	U	NA		0.3	U	0.002	U
16-2670	5025	0316-97-0450	Filtered	12/15/97	WSF	17		0.01	U	0.02	U	0.02	U	NA		0.04	U	0.003	
16-2670	5025	0316-97-0450	Filtered	12/15/97	WSF	17		0.01	U	0.02	U	0.02	U	0.01	U	0.04	U	0.004	
16-2670	5025	0316-97-0460	Unfiltered	12/15/97	WSF	17		0.01	U	0.02	U	0.02	U	NA		0.06		0.006	
16-2670	5025	0316-97-0460	Unfiltered	12/15/97	WSF	18		0.01	U	0.02	U	0.02	U	0.01	U	0.1		0.003	
16-2671	5625	0316-97-0451	Filtered	12/15/97	WSF	15		0.01	U	0.02	U	0.02	U	NA		0.04	U	0.005	
16-2671	5625	0316-97-0451	Filtered	12/15/97	WSF	15		0.01	U	0.02	U	0.02	U	0.01	U	0.04	U	0.004	
16-2671	5625	0316-97-0461	Unfiltered	12/15/97	WSF	15		0.01	U	0.02	U	0.02	U	NA		0.16		0.001	U
16-2671	5625	0316-97-0461	Unfiltered	12/15/97	WSF	15		0.01	U	0.02	U	0.02	U	0.01	U	0.16		0.001	
16-2675	8500	0316-97-0455	Filtered	1/6/98	WSF	11		0.01	U	0.02	U	0.02	U	0.01	U	4.2	U	0.002	J
16-2675	8500	0316-97-0465	Unfiltered	1/6/98	WSF	13		0.01		0.02	U	0.02		0.01	U	12	U	0.023	J
16-2688	2975	0316-97-3032	Unfiltered	8/13/97	WSF	17.3		0.0021	J	0.0053	J	0.006	J	NA		0.524		0.002	U
16-2689	7400	0316-97-3110	Unfiltered	9/22/97	WSF	14	U	0.01	U	0.02	U	0.02	U	NA		1.3		0.002	J
16-2690	300	0316-97-3191	Filtered	12/19/97	WSF	18		0.01	U	0.02	U	0.02	U	0.01	U	0.1	U	0.002	
16-2690	300	0316-97-3192	Unfiltered	12/19/97	WSF	18		0.01	U	0.02	U	0.02	U	0.01	U	0.36	U	0.002	
16-2747	1530	0816-96-0045	Filtered	6/28/96	WSF	16.1		0.0039	U	0.0104	U	0.0178	U	NA		0.424		0.0037	
16-2747	1530	0816-96-0047	Unfiltered	6/28/96	WSF	17.3		0.0061	U	0.0104	U	0.0076	U	0.0123	U	1.72		0.0045	

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of merc

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

J- = The analyte was positively identified, and the result is likely biased low.

J+ = The analyte was positively identified, and the result is likely bised high.

R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

Canon de Valle Surface Water Samples:

Inorganic Chemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Magnesium (mg/L)		Manganese (mg/L)		Mercury (mg/L)		Nickel (mg/L)		Nitrogen Nitrate + Nitrite (Expressed as N) (mg/L)		Nitrogen Nitrate (Expressed as NO3) (mg/L)	
NM Livestock Watering Standard[c]						n.s.		n.s.		0.01		n.s.		n.s.		n.s.	
NM Wildlife Habitat Standard[d]						n.s.		n.s.		0.000012		n.s.		n.s.		n.s.	
16-1001	1300	AAB1597	Filtered	4/18/94	WSF	5.3		0.2	U	0.0002	U	0.01	U	NA		NA	
16-1001	1300	AAB1603	Unfiltered	4/18/94	WSF	5.6		0.2	U	0.0002	U	0.01	U	NA		NA	
16-1002	1400	AAB1598	Filtered	4/18/94	WSF	5.4		0.2	U	0.0002	U	0.01	U	NA		NA	
16-1002	1400	AAB1604	Unfiltered	4/18/94	WSF	5.5		0.2	U	0.0002	U	0.01	U	NA		NA	
16-1003	1500	AAB1599	Filtered	4/18/94	WSF	4.87	U	0.0083		0.0008	R	0.004	U	NA		0.00005	U
16-1003	1500	AAB1605	Unfiltered	4/18/94	WSF	5.5		0.2	U	0.0002	U	0.01	U	NA		NA	
16-1004	1950	AAB1600	Filtered	4/18/94	WSF	5.1		0.2	U	0.0002	U	0.01	U	NA		NA	
16-1004	1950	AAB1606	Unfiltered	4/18/94	WSF	5.3		0.2	U	0.0002	U	0.01	U	NA		NA	
16-1005	2125	AAB1601	Filtered	4/18/94	WSF	4.71		0.0651		0.0002	R	0.004	U	NA		0.00005	U
16-1005	2125	AAB1607	Unfiltered	4/18/94	WSF	5.2		0.2	U	0.0002	U	0.01	U	NA		NA	
16-1006	2350	AAB1602	Filtered	4/18/94	WSF	4.77		0.0333		0.0065	R	0.004	U	NA		0.00005	U
16-1006	2350	AAB1608	Unfiltered	4/18/94	WSF	5.1		0.2	U	0.0002	U	0.01	U	NA		NA	
16-2670	5025	0316-97-0450	Filtered	12/15/97	WSF	4.7	U	0.01	U	0.0002	U	0.04	U	NA		0.71	
16-2670	5025	0316-97-0450	Filtered	12/15/97	WSF	4.9	U	0.01	U	0.0002	U	0.04	U	NA		NA	
16-2670	5025	0316-97-0460	Unfiltered	12/15/97	WSF	4.8	U	0.01	U	0.0002	U	0.04	U	NA		0.81	
16-2670	5025	0316-97-0460	Unfiltered	12/15/97	WSF	4.9	U	0.01	U	0.0002	U	0.5	U	NA		NA	
16-2671	5625	0316-97-0451	Filtered	12/15/97	WSF	4.3	U	0.01	U	0.0002	U	0.04	U	NA		0.05	U
16-2671	5625	0316-97-0451	Filtered	12/15/97	WSF	4.3	U	0.01	U	0.0002	U	0.04	U	NA		NA	
16-2671	5625	0316-97-0461	Unfiltered	12/15/97	WSF	4.3	U	0.01	U	0.0002	U	0.04	U	NA		0.05	U
16-2671	5625	0316-97-0461	Unfiltered	12/15/97	WSF	4.2	U	0.01	U	0.0002	U	0.04	U	NA		NA	
16-2675	8500	0316-97-0455	Filtered	1/6/98	WSF	2.9	U	1.8	J	0.0002	U	0.04		0.05	U	NA	
16-2675	8500	0316-97-0465	Unfiltered	1/6/98	WSF	4.4	U	2.2	J	0.0002	U	0.04	U	0.05	U	NA	
16-2688	2975	0316-97-3032	Unfiltered	8/13/97	WSF	5.01		0.0082	J	0.0001	U	0.0039	J	NA		NA	
16-2689	7400	0316-97-3110	Unfiltered	9/22/97	WSF	3.8		0.01	U	0.0002	U	0.04	U	NA		NA	
16-2690	300	0316-97-3191	Filtered	12/19/97	WSF	5	U	0.02		0.0002	U	0.04	U	0.09		NA	
16-2690	300	0316-97-3192	Unfiltered	12/19/97	WSF	4.9	U	0.03		0.0002	U	0.04	U	0.09		NA	
16-2747	1530	0816-96-0045	Filtered	6/28/96	WSF	4.82	J	0.0133	J	0.0002	U	0.0496	U	NA		NA	
16-2747	1530	0816-96-0047	Unfiltered	6/28/96	WSF	5.2	J	0.0159	J	0.0002	U	0.0088	U	NA		NA	

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing
(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of merc
(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.
(e) n.s. = no standard. A numerical standard is not available.
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R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

Canon de Valle Surface Water Samples:

Inorganic Chemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Nitrogen Nitrite (Expressed as NO2) (mg/L)		Potassium (mg/L)		Selenium (mg/L)		Silicon (mg/L)	Silver (mg/L)		Sodium (mg/L)	
NM Livestock Watering Standard[c]						n.s.		n.s.		0.05		n.s.	n.s.		n.s.	
NM Wildlife Habitat Standard[d]						n.s.		n.s.		0.002		n.s.	n.s.		n.s.	
16-1001	1300	AAB1597	Filtered	4/18/94	WSF	NA		3.2		0.003		NA	0.04	U	20	
16-1001	1300	AAB1603	Unfiltered	4/18/94	WSF	NA		3		0.002	U	NA	0.04	U	21	
16-1002	1400	AAB1598	Filtered	4/18/94	WSF	NA		3		0.003		NA	0.04	U	21	
16-1002	1400	AAB1604	Unfiltered	4/18/94	WSF	NA		3.1		0.002	U	NA	0.04	U	20	
16-1003	1500	AAB1599	Filtered	4/18/94	WSF	NA		2.76		0.034	U	NA	0.002	U	20.9	
16-1003	1500	AAB1605	Unfiltered	4/18/94	WSF	NA		2.5		0.003		NA	0.04	U	20	
16-1004	1950	AAB1600	Filtered	4/18/94	WSF	NA		2.4		0.002	U	NA	0.04	U	20	
16-1004	1950	AAB1606	Unfiltered	4/18/94	WSF	NA		2.7		0.002	U	NA	0.04	U	20	
16-1005	2125	AAB1601	Filtered	4/18/94	WSF	NA		2.86		0.034	U	NA	0.002	U	20.4	
16-1005	2125	AAB1607	Unfiltered	4/18/94	WSF	NA		2.8		0.002	U	NA	0.04	U	20	
16-1006	2350	AAB1602	Filtered	4/18/94	WSF	NA		2.78		0.034	U	NA	0.002	U	19.7	
16-1006	2350	AAB1608	Unfiltered	4/18/94	WSF	NA		2.5		0.002	U	NA	0.04	U	22	
16-2670	5025	0316-97-0450	Filtered	12/15/97	WSF	0.71		1		0.004	UJ	NA	0.01	U	17	U
16-2670	5025	0316-97-0450	Filtered	12/15/97	WSF	NA		3		0.004	UJ	NA	0.01	U	18	U
16-2670	5025	0316-97-0460	Unfiltered	12/15/97	WSF	0.81		3		0.004	UJ	NA	0.01	U	17	U
16-2670	5025	0316-97-0460	Unfiltered	12/15/97	WSF	NA		3	U	0.004	UJ	NA	0.01	U	18	U
16-2671	5625	0316-97-0451	Filtered	12/15/97	WSF	0.05	U	3		0.004	UJ	NA	0.01	U	16	U
16-2671	5625	0316-97-0451	Filtered	12/15/97	WSF	NA		3		0.004	UJ	NA	0.01	U	16	U
16-2671	5625	0316-97-0461	Unfiltered	12/15/97	WSF	0.05	U	3		0.004	UJ	NA	0.01	U	17	U
16-2671	5625	0316-97-0461	Unfiltered	12/15/97	WSF	NA		3		0.005	UJ	NA	0.01	U	16	U
16-2675	8500	0316-97-0455	Filtered	1/6/98	WSF	NA		3		0.004	U	NA	0.01	U	4.9	
16-2675	8500	0316-97-0465	Unfiltered	1/6/98	WSF	NA		1		NA		NA	0.01	U	5.1	
16-2688	2975	0316-97-3032	Unfiltered	8/13/97	WSF	NA		3.19	J	0.0031	U	NA	0.001	J	17.5	
16-2689	7400	0316-97-3110	Unfiltered	9/22/97	WSF	NA		4		0.004	UJ	17	0.01	U	11	U
16-2690	300	0316-97-3191	Filtered	12/19/97	WSF	NA		3		0.004	UJ	NA	0.01	U	24	U
16-2690	300	0316-97-3192	Unfiltered	12/19/97	WSF	NA		3		0.004	UJ	NA	0.01	U	24	
16-2747	1530	0816-96-0045	Filtered	6/28/96	WSF	NA		3.27	J	0.0027	U	NA	0.00067	U	20.4	
16-2747	1530	0816-96-0047	Unfiltered	6/28/96	WSF	NA		3.63	J	0.0027	U	NA	0.00067	U	20.6	

NOTES:

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(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of merc

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

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Canon de Valle Surface Water Samples:

Inorganic Chemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Thallium (mg/L)		Uranium (mg/L)		Vanadium (mg/L)		Zinc (mg/L)	
NM Livestock Watering Standard[c]						n.s.		n.s.		0.1		25.0	
NM Wildlife Habitat Standard[d]						n.s.		n.s.		n.s.		n.s.	
16-1001	1300	AAB1597	Filtered	4/18/94	WSF	0.002	U	NA		0.005		0.02	U
16-1001	1300	AAB1603	Unfiltered	4/18/94	WSF	0.002	U	NA		0.004	U	0.02	U
16-1002	1400	AAB1598	Filtered	4/18/94	WSF	0.002	U	NA		0.004	U	0.02	U
16-1002	1400	AAB1604	Unfiltered	4/18/94	WSF	0.002	U	NA		0.004	U	0.02	U
16-1003	1500	AAB1599	Filtered	4/18/94	WSF	0.068	U	NA		0.0034		0.011	
16-1003	1500	AAB1605	Unfiltered	4/18/94	WSF	0.002	U	NA		0.004	U	0.02	U
16-1004	1950	AAB1600	Filtered	4/18/94	WSF	0.002	U	NA		0.004	U	0.02	U
16-1004	1950	AAB1606	Unfiltered	4/18/94	WSF	0.002	U	NA		0.005		0.02	U
16-1005	2125	AAB1601	Filtered	4/18/94	WSF	0.068	U	NA		0.0024		0.0172	
16-1005	2125	AAB1607	Unfiltered	4/18/94	WSF	0.002	U	NA		0.004	U	0.02	U
16-1006	2350	AAB1602	Filtered	4/18/94	WSF	0.068	U	NA		0.0032		0.0146	
16-1006	2350	AAB1608	Unfiltered	4/18/94	WSF	0.002	U	NA		0.004	U	0.02	U
16-2670	5025	0316-97-0450	Filtered	12/15/97	WSF	0.005	U	NA		0.01	U	0.02	U
16-2670	5025	0316-97-0450	Filtered	12/15/97	WSF	0.005	U	NA		0.01	U	0.02	U
16-2670	5025	0316-97-0460	Unfiltered	12/15/97	WSF	0.005	U	NA		0.01	U	0.02	U
16-2670	5025	0316-97-0460	Unfiltered	12/15/97	WSF	0.005	U	NA		0.01	U	0.02	U
16-2671	5625	0316-97-0451	Filtered	12/15/97	WSF	0.005	U	NA		0.01	U	0.02	U
16-2671	5625	0316-97-0451	Filtered	12/15/97	WSF	0.005	U	NA		0.01	U	0.02	U
16-2671	5625	0316-97-0461	Unfiltered	12/15/97	WSF	0.005	U	NA		0.01	U	0.02	U
16-2671	5625	0316-97-0461	Unfiltered	12/15/97	WSF	0.005	U	NA		0.01	U	0.02	U
16-2675	8500	0316-97-0455	Filtered	1/6/98	WSF	0.005	UJ	NA		0.01	U	0.03	
16-2675	8500	0316-97-0465	Unfiltered	1/6/98	WSF	0.005	UJ	NA		0.01		0.07	U
16-2688	2975	0316-97-3032	Unfiltered	8/13/97	WSF	0.0038	U	NA		0.0017	J	0.0117	J
16-2689	7400	0316-97-3110	Unfiltered	9/22/97	WSF	0.005	U	NA		0.01	U	0.04	J
16-2690	300	0316-97-3191	Filtered	12/19/97	WSF	0.005	U	NA		0.01	U	0.02	U
16-2690	300	0316-97-3192	Unfiltered	12/19/97	WSF	0.005	U	NA		0.01	U	0.02	U
16-2747	1530	0816-96-0045	Filtered	6/28/96	WSF	0.0029	J	0.00022	U	0.0021	J	0.0277	
16-2747	1530	0816-96-0047	Unfiltered	6/28/96	WSF	0.0028	U	0.00027	J	0.0048	J	0.0158	J

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Table CDV-260-4

Canon de Valle Surface Water Samples:

Inorganic Chemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Aluminum (mg/L)		Antimony (mg/L)		Arsenic (mg/L)		Barium (mg/L)		Beryllium (mg/L)		Cadmium (mg/L)	
NM Livestock Watering Standard[c]							5.0		n.s.		0.2		n.s.		n.s.		0.05	
NM Wildlife Habitat Standard[d]							n.s.[e]		n.s.		n.s.		n.s.		n.s.		n.s.	
16-2748	2200	0816-96-0046	Filtered	6/28/96	WSF	Canon de Valle	0.391		0.0202	U	0.0031	U	4.21		0.00011	U	0.0031	U
16-2748	2200	0816-96-0048	Unfiltered	6/28/96	WSF	Canon de Valle	2.92		0.0202	U	0.0031	U	4.41		0.00014	J	0.0039	J
16-2757	280	0816-96-0091	Unfiltered	9/6/96	WSF	Canon de Valle	4.11	J+	0.003 -	U	0.0062	U	6.52		0.0001	U	0.0003	U
16-2758	500	0816-96-0092	Unfiltered	9/6/96	WSF	Canon de Valle	0.32	J+	0.003	U	0.002	U	4.19		0.0001	U	0.0003	U
16-2759	650	0816-96-0093	Unfiltered	9/6/96	WSF	Canon de Valle	0.295	J+	0.003	U	0.0028	U	4.2		0.0001	U	0.0003	U
16-2760	800	0816-96-0094	Unfiltered	9/6/96	WSF	Canon de Valle	0.773	J+	0.003	U	0.0023	U	1.54		0.0001	U	0.0003	U
16-2761	1000	0816-96-0095	Unfiltered	9/6/96	WSF	Canon de Valle	0.746	J+	0.003	U	0.0016	U	1.59		0.0001	U	0.0003	U
16-2762	1175	0816-96-0096	Unfiltered	9/6/96	WSF	Canon de Valle	0.978	J+	0.003	U	0.0016	U	1.7		0.0001	U	0.0003	U
16-2763	1350	0816-96-0097	Unfiltered	9/6/96	WSF	Canon de Valle	0.574	J+	0.003	U	0.0027	U	1.57		0.0001	U	0.0003	U
16-2764	1500	0816-96-0098	Unfiltered	9/6/96	WSF	Canon de Valle	0.66	J+	0.003	U	0.0016	U	1.64		0.0001	U	0.0003	U
16-2765	1675	0816-96-0099	Unfiltered	9/6/96	WSF	Canon de Valle	0.579	J+	0.003	U	0.0022	U	1.7		0.0001	U	0.0003	U
16-2766	1900	0816-96-0100	Unfiltered	9/6/96	WSF	Canon de Valle	0.524	J+	0.003	U	0.0021	U	2.32		0.0001	U	0.0003	U
16-2767	2100	0816-96-0101	Unfiltered	9/6/96	WSF	Canon de Valle	1.19	J+	0.003	U	0.0028	U	2.9		0.0001	U	0.0003	U
16-2768	2300	0816-96-0102	Unfiltered	9/6/96	WSF	Canon de Valle	0.255	J+	0.003	U	0.0021	U	2.65		0.0001	U	0.0003	U
16-2768	2300	0816-96-0103	Unfiltered	9/6/96	WSF	Canon de Valle	0.382	J+	0.003	U	0.0041	U	2.66		0.0001	U	0.0003	U
16-2769	2550	0816-96-0104	Unfiltered	9/6/96	WSF	Canon de Valle	0.328	J+	0.003	U	0.0018	U	2.68		0.0001	U	0.0003	U
16-2770	2675	0816-96-0105	Unfiltered	9/6/96	WSF	Canon de Valle	0.382	J+	0.003	U	0.0035	U	2.73		0.0001	U	0.0003	U
16-2771	2900	0816-96-0106	Unfiltered	9/6/96	WSF	Canon de Valle	0.254	J+	0.003	U	0.0019	U	2.7		0.0001	U	0.0003	U
16-2772	3100	0816-96-0107	Unfiltered	9/6/96	WSF	Canon de Valle	0.475	J+	0.003	U	0.0035	U	2.93		0.0001	U	0.0003	U
16-2773	3275	0816-96-0108	Unfiltered	9/6/96	WSF	Canon de Valle	0.534	J+	0.003	U	0.0018	U	6.49		0.0001	U	0.0003	U
16-2774	3400	0816-96-0109	Unfiltered	9/6/96	WSF	Canon de Valle	0.216	J+	0.003	U	0.0016	U	6.32		0.0001	U	0.0003	U
16-2775	3600	0816-96-0110	Unfiltered	9/6/96	WSF	Canon de Valle	0.197	J+	0.003	U	0.0016	U	6.39		0.0001	U	0.0003	U
16-2776	3800	0816-96-0111	Unfiltered	9/6/96	WSF	Canon de Valle	0.154	U	0.003	U	0.0024	U	6.4		0.0001	U	0.0003	U
16-2777	3975	0816-96-0112	Unfiltered	9/6/96	WSF	Canon de Valle	0.132	U	0.003	U	0.0021	U	6.46		0.0001	U	0.0003	U
16-2778	4175	0816-96-0113	Unfiltered	9/6/96	WSF	Canon de Valle	0.133	U	0.003	U	0.0035	U	6.35		0.0001	U	0.0003	U
36-10029	Water Canyon	0236-97-0015	Unfiltered	3/27/97	WSF	Water Canyon	7.34		0.05	U	0.002	U	0.099	J	0.004	U	0.005	U
36-10030	12600	0236-97-0016	Unfiltered	3/27/97	WSF	Canon de Valle	13.6		0.05	U	0.002	U	0.829		0.004	U	0.005	U

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Canon de Valle Surface Water Samples:

Inorganic Chemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Calcium (mg/L)	Chromium, Total (mg/L)		Cobalt (mg/L)		Copper (mg/L)		Cyanide Total (mg/L)		Iron (mg/L)		Lead (mg/L)	
NM Livestock Watering Standard[c]						n.s.	1.0		1.0		0.5		n.s.		n.s.		0.1	
NM Wildlife Habitat Standard[d]						n.s.	n.s.		n.s.		n.s.		n.s.		n.s.		n.s.	
16-2748	2200	0816-96-0046	Filtered	6/28/96	WSF	16.6	0.0039	U	0.0104	U	0.0085	U	NA		0.289		0.0019	U
16-2748	2200	0816-96-0048	Unfiltered	6/28/96	WSF	16.8	0.0071	U	0.0104	U	0.0075	U	0.0093	UJ	1.83		0.0022	J
16-2757	280	0816-96-0091	Unfiltered	9/6/96	WSF	19.6	0.0024	U	0.0024	U	0.0081	J	NA		4.47		0.016	
16-2758	500	0816-96-0092	Unfiltered	9/6/96	WSF	17.5	0.0005	U	0.0004	U	0.0005	U	NA		0.219		0.0012	U
16-2759	650	0816-96-0093	Unfiltered	9/6/96	WSF	17.4	0.0005	U	0.001	U	0.0005	U	0.005	U	0.204		0.0012	U
16-2760	800	0816-96-0094	Unfiltered	9/6/96	WSF	16.9	0.0015	U	0.0009	U	0.0014	U	0.004	U	0.475		0.0012	U
16-2761	1000	0816-96-0095	Unfiltered	9/6/96	WSF	16.9	0.0005	U	0.00066	U	0.0005	U	0.0038	U	0.445		0.0012	U
16-2762	1175	0816-96-0096	Unfiltered	9/6/96	WSF	17.4	0.00094	U	0.0012	U	0.0013	U	0.0038	U	0.646		0.0012	U
16-2763	1350	0816-96-0097	Unfiltered	9/6/96	WSF	16.9	0.0011	U	0.001	U	0.0017	U	0.004	U	0.376		0.0012	U
16-2764	1500	0816-96-0098	Unfiltered	9/6/96	WSF	17	0.0005	U	0.00078	U	0.0005	U	0.006	U	0.396		0.0012	U
16-2765	1675	0816-96-0099	Unfiltered	9/6/96	WSF	17.1	0.00065	U	0.00078	U	0.0005	U	0.004	U	0.384		0.0012	U
16-2766	1900	0816-96-0100	Unfiltered	9/6/96	WSF	17.4	0.0005	U	0.00085	U	0.0005	U	0.005	U	0.517		0.0012	U
16-2767	2100	0816-96-0101	Unfiltered	9/6/96	WSF	18	0.00069	U	0.0029	U	0.00082	U	0.004	U	2.16		0.0012	U
16-2768	2300	0816-96-0102	Unfiltered	9/6/96	WSF	17.7	0.0016	U	0.00095	U	0.0005	U	0.006	U	0.313		0.0012	U
16-2768	2300	0816-96-0103	Unfiltered	9/6/96	WSF	17.7	0.001	U	0.0014	U	0.00061	U	0.008	U	0.412		0.0012	U
16-2769	2550	0816-96-0104	Unfiltered	9/6/96	WSF	17.6	0.0005	U	0.00054	U	0.00052	U	0.014	U	0.317		0.0012	U
16-2770	2675	0816-96-0105	Unfiltered	9/6/96	WSF	17.7	0.00053	U	0.0015	U	0.00066	U	0.004	U	0.402		0.0012	U
16-2771	2900	0816-96-0106	Unfiltered	9/6/96	WSF	17.5	0.0005	U	0.0006	U	0.0005	U	0.004	U	0.254		0.0012	U
16-2772	3100	0816-96-0107	Unfiltered	9/6/96	WSF	1.77	0.00051	U	0.00083	U	0.0013	U	0.005	U	0.478		0.0012	U
16-2773	3275	0816-96-0108	Unfiltered	9/6/96	WSF	17.9	0.0005	U	0.0011	U	0.0015	U	0.005	U	0.531		0.0012	U
16-2774	3400	0816-96-0109	Unfiltered	9/6/96	WSF	17.1	0.0005	U	0.00071	U	0.00058	U	0.004	U	0.17		0.0012	U
16-2775	3600	0816-96-0110	Unfiltered	9/6/96	WSF	17.2	0.0005	U	0.00081	U	0.002	U	0.004	U	0.162		0.0012	U
16-2776	3800	0816-96-0111	Unfiltered	9/6/96	WSF	17.1	0.00055	U	0.00072	U	0.00062	U	0.0038	U	0.128	U	0.0012	U
16-2777	3975	0816-96-0112	Unfiltered	9/6/96	WSF	17.2	0.0005	U	0.00043	U	0.0005	U	0.005	U	0.12		0.0012	U
16-2778	4175	0816-96-0113	Unfiltered	9/6/96	WSF	17.1	0.0005	U	0.0011	U	0.0011	U	0.0038	U	0.12	U	0.0012	U
36-10029	Water Canyon	0236-97-0015	Unfiltered	3/27/97	WSF	9.76	0.01	U	0.01	U	0.005	U	NA		3.62		0.0015	U
36-10030	12600	0236-97-0016	Unfiltered	3/27/97	WSF	8.23	0.01	U	0.01	U	0.005	U	NA		7.34		0.0025	J

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of merc

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the detection limit.

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J = The reported value is an estimated quantity.

J- = The analyte was positively identified, and the result is likely biased low.

J+ = The analyte was positively identified, and the result is likely bised high.

R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

Canon de Valle Surface Water Samples:

Inorganic Chemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Magnesium (mg/L)		Manganese (mg/L)		Mercury (mg/L)		Nickel (mg/L)		Nitrogen Nitrate + Nitrite (Expressed as N) (mg/L)		Nitrogen Nitrate (Expressed as NO3) (mg/L)
NM Livestock Watering Standard[c]						n.s.		n.s.		0.01		n.s.		n.s.		n.s.
NM Wildlife Habitat Standard[d]						n.s.		n.s.		0.000012		n.s.		n.s.		n.s.
16-2748	2200	0816-96-0046	Filtered	6/28/96	WSF	4.75	J	0.0498		0.0002	U	0.0182	U	NA		NA
16-2748	2200	0816-96-0048	Unfiltered	6/28/96	WSF	5	J	0.0707		0.0002	U	0.0072	U	NA		NA
16-2757	280	0816-96-0091	Unfiltered	9/6/96	WSF	5.89		0.359		0.00003	J	0.0086	J+	1		NA
16-2758	500	0816-96-0092	Unfiltered	9/6/96	WSF	5.05		0.0042	U	0.00002	U	0.0017	J	1.1		NA
16-2759	650	0816-96-0093	Unfiltered	9/6/96	WSF	5.01		0.0032	U	0.00002	U	0.0015	J	1.1		NA
16-2760	800	0816-96-0094	Unfiltered	9/6/96	WSF	5.04		0.0049	U	0.00002	U	0.0028	J	0.9		NA
16-2761	1000	0816-96-0095	Unfiltered	9/6/96	WSF	5.03		0.0085	J	0.00002	U	0.0029	J	0.5		NA
16-2762	1175	0816-96-0096	Unfiltered	9/6/96	WSF	5.14		0.0475		0.00002	U	0.0045	J	0.6		NA
16-2763	1350	0816-96-0097	Unfiltered	9/6/96	WSF	5.02		0.0034	U	0.00002	U	0.0043	J	0.5		NA
16-2764	1500	0816-96-0098	Unfiltered	9/6/96	WSF	5.06		0.007	J	0.00002	U	0.0031	J	0.5	U	NA
16-2765	1675	0816-96-0099	Unfiltered	9/6/96	WSF	5.11		0.0108	J	0.00002	U	0.0031	J	0.5	U	NA
16-2766	1900	0816-96-0100	Unfiltered	9/6/96	WSF	5.18		0.115		0.00002	U	0.0022	J	0.5		NA
16-2767	2100	0816-96-0101	Unfiltered	9/6/96	WSF	5.36		1.63		0.00002	U	0.0046	J	0.5	U	NA
16-2768	2300	0816-96-0102	Unfiltered	9/6/96	WSF	5.22		0.0309		0.00002	U	0.0028	J	0.5	U	NA
16-2768	2300	0816-96-0103	Unfiltered	9/6/96	WSF	5.23		0.0342		0.00002	U	0.003	J	0.5	U	NA
16-2769	2550	0816-96-0104	Unfiltered	9/6/96	WSF	5.2		0.0164		0.00002	U	0.0026	J	0.5	U	NA
16-2770	2675	0816-96-0105	Unfiltered	9/6/96	WSF	5.26		0.0265		0.00002	U	0.0025	J	0.5	U	NA
16-2771	2900	0816-96-0106	Unfiltered	9/6/96	WSF	5.18		0.003	U	0.00002	U	0.0016	J	0.5	U	NA
16-2772	3100	0816-96-0107	Unfiltered	9/6/96	WSF	5.23		0.0196		0.00002	U	0.0022	J	0.5	U	NA
16-2773	3275	0816-96-0108	Unfiltered	9/6/96	WSF	5.28		0.0995		0.00002	U	0.0022	J	0.5	U	NA
16-2774	3400	0816-96-0109	Unfiltered	9/6/96	WSF	5.2		0.015		0.00002	U	0.0018	J	0.5	U	NA
16-2775	3600	0816-96-0110	Unfiltered	9/6/96	WSF	5.22		0.0065	J	0.00002	U	0.0033	J	0.8		NA
16-2776	3800	0816-96-0111	Unfiltered	9/6/96	WSF	5.22		0.0029	U	0.00002	U	0.0018	J	0.5	U	NA
16-2777	3975	0816-96-0112	Unfiltered	9/6/96	WSF	5.25		0.0024	U	0.00002	U	0.0022	J	0.5	U	NA
16-2778	4175	0816-96-0113	Unfiltered	9/6/96	WSF	5.22		0.0035	U	0.00002	U	0.0028	J	0.5	U	NA
36-10029	Water Canyon	0236-97-0015	Unfiltered	3/27/97	WSF	3.78	J	0.0195		0.0001	U	0.015	U	NA		NA
36-10030	12600	0236-97-0016	Unfiltered	3/27/97	WSF	3.6	J	0.0382		0.0001	U	0.015	U	NA		NA

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of merc

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

(f) NA = Not analyzed

Explanation of data qualifier flags:

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UJ = The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit.

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R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

Canon de Valle Surface Water Samples:

Inorganic Chemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Nitrogen Nitrite (Expressed as NO2) (mg/L)	Potassium (mg/L)		Selenium (mg/L)		Silicon (mg/L)		Silver (mg/L)		Sodium (mg/L)
NM Livestock Watering Standard[c]						n.s.	n.s.		0.05		n.s.		n.s.		n.s.
NM Wildlife Habitat Standard[d]						n.s.	n.s.		0.002		n.s.		n.s.		n.s.
16-2748	2200	0816-96-0046	Filtered	6/28/96	WSF	NA	3.44	J	0.0027	U	NA		0.00067	U	24.3
16-2748	2200	0816-96-0048	Unfiltered	6/28/96	WSF	NA	3.77	J	0.0027	U	NA		0.00067	U	22.4
16-2757	280	0816-96-0091	Unfiltered	9/6/96	WSF	NA	3.91	J	0.0029	U	NA		0.0013	U	20.5
16-2758	500	0816-96-0092	Unfiltered	9/6/96	WSF	NA	3.11	J	0.0018	U	NA		0.001	U	20.3
16-2759	650	0816-96-0093	Unfiltered	9/6/96	WSF	NA	2.99	J	0.0032	U	NA		0.0015	U	20.1
16-2760	800	0816-96-0094	Unfiltered	9/6/96	WSF	NA	3.03	J	0.0018	U	NA		0.0015	U	19.9
16-2761	1000	0816-96-0095	Unfiltered	9/6/96	WSF	NA	2.98	J	0.0025	U	NA		0.001	U	19.2
16-2762	1175	0816-96-0096	Unfiltered	9/6/96	WSF	NA	2.98	J	0.0019	U	NA		0.0012	U	19.2
16-2763	1350	0816-96-0097	Unfiltered	9/6/96	WSF	NA	2.84	J	0.0029	U	NA		0.0013	U	19.2
16-2764	1500	0816-96-0098	Unfiltered	9/6/96	WSF	NA	2.81	J	0.0018	U	NA		0.0012	U	19.2
16-2765	1675	0816-96-0099	Unfiltered	9/6/96	WSF	NA	2.83	J	0.0018	U	NA		0.0012	U	19.3
16-2766	1900	0816-96-0100	Unfiltered	9/6/96	WSF	NA	2.8	J	0.0038	U	NA		0.001	U	19.7
16-2767	2100	0816-96-0101	Unfiltered	9/6/96	WSF	NA	2.96	J	0.0039	U	NA		0.0012	U	19.7
16-2768	2300	0816-96-0102	Unfiltered	9/6/96	WSF	NA	2.78	J	0.0018	U	NA		0.001	U	19.7
16-2768	2300	0816-96-0103	Unfiltered	9/6/96	WSF	NA	2.78	J	0.0018	U	NA		0.0014	U	19.6
16-2769	2550	0816-96-0104	Unfiltered	9/6/96	WSF	NA	2.72	J	0.0018	U	NA		0.001	U	19.6
16-2770	2675	0816-96-0105	Unfiltered	9/6/96	WSF	NA	2.76	J	0.0018	U	NA		0.0015	U	19.7
16-2771	2900	0816-96-0106	Unfiltered	9/6/96	WSF	NA	2.96	J	0.0019	U	NA		0.001	U	19.6
16-2772	3100	0816-96-0107	Unfiltered	9/6/96	WSF	NA	2.78	J	0.0018	U	NA		0.001	U	19.5
16-2773	3275	0816-96-0108	Unfiltered	9/6/96	WSF	NA	3.61	J	0.0018	U	NA		0.001	U	20.5
16-2774	3400	0816-96-0109	Unfiltered	9/6/96	WSF	NA	3.38	J	0.0018	U	0.001	U	NA		20.5
16-2775	3600	0816-96-0110	Unfiltered	9/6/96	WSF	NA	3.38	J	0.0018	U	NA		0.001	U	20.6
16-2776	3800	0816-96-0111	Unfiltered	9/6/96	WSF	NA	3.37	J	0.0018	U	NA		0.001	U	20.6
16-2777	3975	0816-96-0112	Unfiltered	9/6/96	WSF	NA	3.37	J	0.0029	U	NA		0.001	U	20.6
16-2778	4175	0816-96-0113	Unfiltered	9/6/96	WSF	NA	3.45	J	0.0018	U	NA		0.001	U	20.7
36-10029	Water Canyon	0236-97-0015	Unfiltered	3/27/97	WSF	NA	3.78	J	0.0025	U	NA		0.005	U	15.9
36-10030	12600	0236-97-0016	Unfiltered	3/27/97	WSF	NA	3.51	J	0.0025	U	NA		0.005	U	8.5

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of merc

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

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Explanation of data qualifier flags:

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Canon de Valle Surface Water Samples:

Inorganic Chemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Thallium (mg/L)		Uranium (mg/L)		Vanadium (mg/L)		Zinc (mg/L)	
NM Livestock Watering Standard[c]						n.s.		n.s.		0.1		25.0	
NM Wildlife Habitat Standard[d]						n.s.		n.s.		n.s.		n.s.	
16-2748	2200	0816-96-0046	Filtered	6/28/96	WSF	0.0028	U	0.00022	U	0.0021	J	0.0086	J
16-2748	2200	0816-96-0048	Unfiltered	6/28/96	WSF	0.0028	U	0.00022	U	0.0037	J	0.0133	J
16-2757	280	0816-96-0091	Unfiltered	9/6/96	WSF	0.0034	U	0.00046	J-	0.0093	J+	0.0215	
16-2758	500	0816-96-0092	Unfiltered	9/6/96	WSF	0.0034	U	0.00016	J-	0.0013	U	0.0044	U
16-2759	650	0816-96-0093	Unfiltered	9/6/96	WSF	0.0034	U	0.00016	J-	0.0025	U	0.0024	U
16-2760	800	0816-96-0094	Unfiltered	9/6/96	WSF	0.0034	U	0.00043	J-	0.0032	U	0.0042	U
16-2761	1000	0816-96-0095	Unfiltered	9/6/96	WSF	0.0034	U	0.00041	J-	0.0031	U	0.0052	U
16-2762	1175	0816-96-0096	Unfiltered	9/6/96	WSF	0.0034	U	0.00057	J-	0.0047	U	0.0037	U
16-2763	1350	0816-96-0097	Unfiltered	9/6/96	WSF	0.0034	U	0.00038	J-	0.003	U	0.033	
16-2764	1500	0816-96-0098	Unfiltered	9/6/96	WSF	0.0034	U	0.00036	J-	0.0026	U	0.0089	U
16-2765	1675	0816-96-0099	Unfiltered	9/6/96	WSF	0.0034	U	0.00035	J-	0.003	U	0.0024	U
16-2766	1900	0816-96-0100	Unfiltered	9/6/96	WSF	0.0034	U	0.00027	J-	0.002	U	0.0054	U
16-2767	2100	0816-96-0101	Unfiltered	9/6/96	WSF	0.0074	J	0.00036	J-	0.0037	U	0.008	U
16-2768	2300	0816-96-0102	Unfiltered	9/6/96	WSF	0.0034	U	0.00023	J-	0.002	U	0.005	U
16-2768	2300	0816-96-0103	Unfiltered	9/6/96	WSF	0.0034	U	0.00025	J-	0.0023	U	0.0065	U
16-2769	2550	0816-96-0104	Unfiltered	9/6/96	WSF	0.0034	U	0.00024	J-	0.0016	U	0.0227	
16-2770	2675	0816-96-0105	Unfiltered	9/6/96	WSF	0.0034	U	0.00023	J-	0.0021	U	0.0138	U
16-2771	2900	0816-96-0106	Unfiltered	9/6/96	WSF	0.0034	U	0.00022	J-	0.0012	U	0.0004	U
16-2772	3100	0816-96-0107	Unfiltered	9/6/96	WSF	0.0034	U	0.00025	J-	0.0021	U	0.0082	U
16-2773	3275	0816-96-0108	Unfiltered	9/6/96	WSF	0.0034	U	0.00016	J-	0.0027	U	0.0103	U
16-2774	3400	0816-96-0109	Unfiltered	9/6/96	WSF	0.0034	U	0.00012	J-	0.0018	U	0.0137	U
16-2775	3600	0816-96-0110	Unfiltered	9/6/96	WSF	0.0034	U	0.0001	J-	0.0018	U	0.0025	U
16-2776	3800	0816-96-0111	Unfiltered	9/6/96	WSF	0.0034	U	0.00014	J-	0.0018	U	0.0066	U
16-2777	3975	0816-96-0112	Unfiltered	9/6/96	WSF	0.0034	U	0.00009	J-	0.0016	U	0.0132	U
16-2778	4175	0816-96-0113	Unfiltered	9/6/96	WSF	0.0034	U	0.00011	J-	0.002	U	0.0025	U
36-10029	Water Canyon	0236-97-0015	Unfiltered	3/27/97	WSF	0.002	U	NA		0.01	U	0.0194	J
36-10030	12600	0236-97-0016	Unfiltered	3/27/97	WSF	0.002	U	NA		0.0104	J	0.0292	

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of merc

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

(f) NA = Not analyzed

Explanation of data qualifier flags:

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UJ = The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

J- = The analyte was positively identified, and the result is likely biased low.

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Canon de Valle Surface Water Samples:

Water Quality Parameters

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Alkalinity, Total (Methyl Orange [pH=4.5] end point) (mg/L)	Bicarbonate by alkalinity tritration (mg/L)	Boron (mg/L)	Bromide (mg/L)		Carbon, Total Organic (mg/L)
NM Livestock Watering Standard[c]							n.s.[e]	n.s.	5.0	n.s.		n.s.
NM Wildlife Habitat Standard[d]							n.s.	n.s.	n.s.	n.s.		n.s.
16-2689	7400	0316-97-3110	Unfiltered	9/22/97	WSF	Canon de Valle	67	NA	NA	2	U	NA
16-2690	300	0316-97-3191	Filtered	12/19/97	WSF	Canon de Valle	NA[f]	NA	NA	4	U	NA
16-2690	300	0316-97-3192	Unfiltered	12/19/97	WSF	Canon de Valle	NA	NA	NA	2	U	NA

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

(f) NA = Not analyzed

UMHOS = Micromhos

SU = Standard unit

NTU = Nephelometric Turbidity Unit

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table CDV-260-5

Canon de Valle Surface Water Samples:

Water Quality Parameters

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Carbonate (mg/L)	Chloride (mg/L)	Conductivity (UMHOS)	Fluoride (mg/L)		Lithium (mg/L)	Molybdenum (mg/L)
NM Livestock Watering Standard[c]							n.s.	n.s.	n.s.	n.s.		n.s.	n.s.
NM Wildlife Habitat Standard[d]							n.s.	n.s.	n.s.	n.s.		n.s.	n.s.
16-2689	7400	0316-97-3110	Unfiltered	9/22/97	WSF	Canon de Valle	NA	16	160	0.2		NA	NA
16-2690	300	0316-97-3191	Filtered	12/19/97	WSF	Canon de Valle	NA	24	NA	0.1	U	NA	NA
16-2690	300	0316-97-3192	Unfiltered	12/19/97	WSF	Canon de Valle	NA	25	NA	0.1	U	NA	NA

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

(f) NA = Not analyzed

UMHOS = Micromhos

SU = Standard unit

NTU = Nephelometric Turbidity Unit

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Canon de Valle Surface Water Samples:

Water Quality Parameters

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Nitrogen, Ammonia (Expressed as N) (mg/L)	pH (SU)	Phosphorus, Total (Expressed as P) (mg/L)	Solids, Total Dissolved (mg/L)	Solids, Total Suspended (mg/L)	
NM Livestock Watering Standard[c]							n.s.	n.s.	n.s.	n.s.	n.s.	
NM Wildlife Habitat Standard[d]							n.s.	n.s.	n.s.	n.s.	n.s.	
16-2689	7400	0316-97-3110	Unfiltered	9/22/97	WSF	Canon de Valle	NA	7.75	NA	150	5	U
16-2690	300	0316-97-3191	Filtered	12/19/97	WSF	Canon de Valle	NA	NA	NA	NA	NA	
16-2690	300	0316-97-3192	Unfiltered	12/19/97	WSF	Canon de Valle	NA	NA	NA	NA	NA	

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

(f) NA = Not analyzed

UMHOS = Micromhos

SU = Standard unit

NTU = Nephelometric Turbidity Unit

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table CDV-260-5

Canon de Valle Surface Water Samples:

Water Quality Parameters

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[e]	Collection Date	Media Code[b]	Watershed	Strontium (mg/L)	Sulfate (mg/L)	Turbidity (NTU)	Uranium (mg/L)
NM Livestock Watering Standard[c]							n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[d]							n.s.	n.s.	n.s.	n.s.
16-2689	7400	0316-97-3110	Unfiltered	9/22/97	WSF	Canon de Valle	NA	13	24	NA
16-2690	300	0316-97-3191	Filtered	12/19/97	WSF	Canon de Valle	NA	8	NA	NA
16-2690	300	0316-97-3192	Unfiltered	12/19/97	WSF	Canon de Valle	NA	10	NA	NA

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

(f) NA = Not analyzed

UMHOS = Micromhos

SU = Standard unit

NTU = Nephelometric Turbidity Unit

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Canon de Valle Surface Water Samples:

Organic Chemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Acetone (mg/L)	Amino-2,6-dinitrotoluene[4-] (mg/L)	Amino-4,6-dinitrotoluene[2-] (mg/L)	Bis(2-ethylhexyl) phthalate (mg/L)	Chlorophenol [2-] (mg/L)	Dichloroethane [1,2-] (mg/L)	Dinitro-2-methylphenol [4,6-] (mg/L)
NM Livestock Watering Standard[c]							n.s.(e)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[d]							n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
16-1001	1300	AAB1597	Filtered	4/18/94	WSF	Canon de Valle	NA[f]	NA	NA	0.01 U	0.01 U	NA	0.01 U
16-1001	1300	AAB1603	Unfiltered	4/18/94	WSF	Canon de Valle	0.02 U	NA	NA	0.01 U	0.01 U	0.005 U	0.01 U
16-1002	1400	AAB1598	Filtered	4/18/94	WSF	Canon de Valle	NA	NA	NA	0.01 U	0.01 U	NA	0.01 U
16-1002	1400	AAB1604	Unfiltered	4/18/94	WSF	Canon de Valle	0.02 U	NA	NA	NA	NA	0.005 U	NA
16-1003	1500	AAB1599	Filtered	4/18/94	WSF	Canon de Valle	NA	NA	NA	0.01 U	0.01 U	NA	0.01 U
16-1003	1500	AAB1605	Unfiltered	4/18/94	WSF	Canon de Valle	0.02 U	NA	NA	NA	NA	0.005 U	NA
16-1004	1950	AAB1600	Filtered	4/18/94	WSF	Canon de Valle	NA	NA	NA	0.01 U	0.01 U	NA	0.01 U
16-1004	1950	AAB1606	Unfiltered	4/18/94	WSF	Canon de Valle	0.02 U	NA	NA	NA	NA	0.005 U	NA
16-1005	2125	AAB1601	Filtered	4/18/94	WSF	Canon de Valle	NA	NA	NA	0.01 U	0.01 U	NA	0.01 U
16-1005	2125	AAB1607	Unfiltered	4/18/94	WSF	Canon de Valle	0.032 U	NA	NA	0.01 U	0.01 U	0.005 U	0.01 U
16-1006	2350	AAB1602	Filtered	4/18/94	WSF	Canon de Valle	NA	NA	NA	0.01 U	0.01 U	NA	0.01 U
16-1006	2350	AAB1608	Unfiltered	4/18/94	WSF	Canon de Valle	0.02 U	NA	NA	0.01 U	0.01 U	0.005 U	0.01 U
16-2670	5025	0316-97-0450	Filtered	12/15/97	WSF	Canon de Valle	NA	0.0046	NA	NA	NA	NA	NA
16-2670	5025	0316-97-0460	Unfiltered	12/15/97	WSF	Canon de Valle	NA	0.0049	NA	NA	NA	NA	NA
16-2671	5625	0316-97-0451	Filtered	12/15/97	WSF	Canon de Valle	NA	0.0049	NA	NA	NA	NA	NA
16-2671	5625	0316-97-0461	Unfiltered	12/15/97	WSF	Canon de Valle	NA	0.0047	NA	NA	NA	NA	NA
16-2675	8500	0316-97-0455	Filtered	1/6/98	WSF	Canon de Valle	NA	0.00045	NA	NA	NA	NA	NA
16-2675	8500	0316-97-0465	Unfiltered	1/6/98	WSF	Canon de Valle	NA	0.0011	NA	NA	NA	NA	NA
16-2688	2975	0316-97-3032	Unfiltered	8/13/97	WSF	Canon de Valle	0.039 U	NA	0.027	0.009 U	0.018 U	0.007	0.09 U
16-2689	7400	0316-97-3110	Unfiltered	9/22/97	WSF	Canon de Valle	0.02 U	0.0025 U	0.0025 U	0.01 U	0.01 U	0.005 U	0.05 U
16-2690	300	0316-97-3191	Filtered	12/19/97	WSF	Canon de Valle	0.025 U	0.00039 U	NA	0.01 U	0.01 U	0.005 U	0.05 U
16-2690	300	0316-97-3192	Unfiltered	12/19/97	WSF	Canon de Valle	0.02 U	0.00039 U	NA	0.01 U	0.01 U	0.005 U	0.05 U
16-2747	1530	0816-96-0047	Unfiltered	6/28/96	WSF	Canon de Valle	0.01 U	0.019	0.027	0.001 U	0.011 U	0.005 U	0.027 U
16-2748	2200	0816-96-0048	Unfiltered	6/28/96	WSF	Canon de Valle	0.01 U	0.012	0.0082	0.002 U	0.011 U	0.005 U	0.027 U
16-2757	280	0816-96-0091	Unfiltered	9/6/96	WSF	Canon de Valle	0.02 U	0.042 J-	0.0345 J-	0.01 U	0.01 U	0.005 U	0.05 U
16-2758	500	0816-96-0092	Unfiltered	9/6/96	WSF	Canon de Valle	0.02 U	0.0488 J-	0.0407 J-	0.01 U	0.01 U	0.005 U	0.05 U

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.
UJ = The compound was analyzed for but was not detected. The associated numerical value is the estimated quantitation limit.
J = The reported value is an estimated quantity.
J- = The analyte was positively identified, and the result is likely biased low.
J+ = The analyte was positively identified, and the result is likely bised high.
R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

Canon de Valle Surface Water Samples:

Organic Chemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Dinitrotoluene [2,4-] (mg/L)		Dinitrotoluene [2,6-] (mg/L)		Di-n-octylphthalate (mg/L)		HMX (mg/L)		Methylene Chloride (mg/L)		Nitrobenzene (mg/L)	
NM Livestock Watering Standard[c]							n.s.		n.s.		n.s.		n.s.		n.s.		n.s.	
NM Wildlife Habitat Standard[d]							n.s.		n.s.		n.s.		n.s.		n.s.		n.s.	
16-1001	1300	AAB1597	Filtered	4/18/94	WSF	Canon de Valle	0.029	U	0.01	U	0.01	U	0.065	U	NA		0.032	U
16-1001	1300	AAB1603	Unfiltered	4/18/94	WSF	Canon de Valle	0.029	U	0.01	U	0.01	U	0.065	U	0.005	U	0.032	U
16-1002	1400	AAB1598	Filtered	4/18/94	WSF	Canon de Valle	0.029	U	0.01	U	0.01	U	0.065	U	NA		0.032	U
16-1002	1400	AAB1604	Unfiltered	4/18/94	WSF	Canon de Valle	0.029	U	NA		NA		0.065	U	0.005	U	0.032	U
16-1003	1500	AAB1599	Filtered	4/18/94	WSF	Canon de Valle	0.029	U	0.01	U	0.01	U	0.065	U	NA		0.032	U
16-1003	1500	AAB1605	Unfiltered	4/18/94	WSF	Canon de Valle	0.029	U	NA		NA		0.065	U	0.005	U	0.032	U
16-1004	1950	AAB1600	Filtered	4/18/94	WSF	Canon de Valle	0.029	U	0.01	U	0.01	U	0.065	U	NA		0.032	U
16-1004	1950	AAB1606	Unfiltered	4/18/94	WSF	Canon de Valle	0.029	U	NA		NA		0.065	U	0.005	U	0.032	U
16-1005	2125	AAB1601	Filtered	4/18/94	WSF	Canon de Valle	0.029	U	0.01	U	0.01	U	0.065	U	NA		0.032	U
16-1005	2125	AAB1607	Unfiltered	4/18/94	WSF	Canon de Valle	0.029	U	0.01	U	0.01	U	0.065	U	0.005	U	0.032	U
16-1006	2350	AAB1602	Filtered	4/18/94	WSF	Canon de Valle	0.029	U	0.01	U	0.01	U	0.065	U	NA		0.032	U
16-1006	2350	AAB1608	Unfiltered	4/18/94	WSF	Canon de Valle	0.029	U	0.01	U	0.01	U	0.065	U	0.005	U	0.032	U
16-2670	5025	0316-97-0450	Filtered	12/15/97	WSF	Canon de Valle	0.0002	U	NA		NA		0.027		NA		0.0002	U
16-2670	5025	0316-97-0460	Unfiltered	12/15/97	WSF	Canon de Valle	0.0002	U	NA		NA		0.028		NA		0.0002	U
16-2671	5625	0316-97-0451	Filtered	12/15/97	WSF	Canon de Valle	0.0002	U	NA		NA		0.04		NA		0.0002	U
16-2671	5625	0316-97-0461	Unfiltered	12/15/97	WSF	Canon de Valle	0.0002	U	NA		NA		0.044		NA		0.0002	U
16-2675	8500	0316-97-0455	Filtered	1/6/98	WSF	Canon de Valle	0.0002	U	NA		NA		0.0017	U	NA		0.0005	
16-2675	8500	0316-97-0465	Unfiltered	1/6/98	WSF	Canon de Valle	0.0002	U	NA		NA		0.0017	U	NA		0.00053	
16-2688	2975	0316-97-3032	Unfiltered	8/13/97	WSF	Canon de Valle	0.0029	U	0.018	U	0.018	U	0.047		0.003	U	0.003	U
16-2689	7400	0316-97-3110	Unfiltered	9/22/97	WSF	Canon de Valle	0.0025	U	0.01	U	0.01	U	0.052		0.005	U	0.01	U
16-2690	300	0316-97-3191	Filtered	12/19/97	WSF	Canon de Valle	0.0002	U	0.01	U	0.01	U	0.0017	U	0.005	U	0.0002	U
16-2690	300	0316-97-3192	Unfiltered	12/19/97	WSF	Canon de Valle	0.0002	U	0.01	U	0.01	U	0.0017	U	0.005	U	0.0002	U
16-2747	1530	0816-96-0047	Unfiltered	6/28/96	WSF	Canon de Valle	0.0013	U	0.001	J	0.011	U	0.16	J-	0.01	U	0.005	UJ
16-2748	2200	0816-96-0048	Unfiltered	6/28/96	WSF	Canon de Valle	0.0013	U	0.011	U	0.011	U	0.16	J-	0.01	U	0.005	UJ
16-2757	280	0816-96-0091	Unfiltered	9/6/96	WSF	Canon de Valle	0.000192	J-	0.01	U	0.01		0.124	J-	0.005	U	0.000051	R
16-2758	500	0816-96-0092	Unfiltered	9/6/96	WSF	Canon de Valle	0.000324	J-	0.01	U	0.01	U	0.119	J-	0.005	U	0.000051	R

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.
UJ = The compound was analyzed for but was not detected. The associated numerical value is the estimated quantitation limit.
J = The reported value is an estimated quantity.
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J+ = The analyte was positively identified, and the result is likely biased high.
R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

Canon de Valle Surface Water Samples:

Organic Chemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Nitrotoluene[2-] (mg/L)		RDX (mg/L)		Trinitrobenzene [1,3,5-] (mg/L)		Trinitrotoluene [2,4,6-] (mg/L)	
NM Livestock Watering Standard[c]							n.s.		n.s.		n.s.		n.s.	
NM Wildlife Habitat Standard[d]							n.s.		n.s.		n.s.		n.s.	
16-1001	1300	AAB1597	Filtered	4/18/94	WSF	Canon de Valle	0.06	U	0.155	U	0.037	U	0.035	U
16-1001	1300	AAB1603	Unfiltered	4/18/94	WSF	Canon de Valle	0.06	U	0.18	U	0.037	U	0.035	U
16-1002	1400	AAB1598	Filtered	4/18/94	WSF	Canon de Valle	0.06	U	0.158	U	0.037	U	0.035	U
16-1002	1400	AAB1604	Unfiltered	4/18/94	WSF	Canon de Valle	0.06	U	0.152	U	0.037	U	0.035	U
16-1003	1500	AAB1599	Filtered	4/18/94	WSF	Canon de Valle	0.06	U	0.17	U	0.037	U	0.035	U
16-1003	1500	AAB1605	Unfiltered	4/18/94	WSF	Canon de Valle	0.06	U	0.196	U	0.037	U	0.035	U
16-1004	1950	AAB1600	Filtered	4/18/94	WSF	Canon de Valle	0.06	U	0.144	U	0.037	U	0.035	U
16-1004	1950	AAB1606	Unfiltered	4/18/94	WSF	Canon de Valle	0.06	U	0.133	U	0.037	U	0.035	U
16-1005	2125	AAB1601	Filtered	4/18/94	WSF	Canon de Valle	0.06	U	0.151	U	0.037	U	0.035	U
16-1005	2125	AAB1607	Unfiltered	4/18/94	WSF	Canon de Valle	0.06	U	0.146	U	0.037	U	0.035	U
16-1006	2350	AAB1602	Filtered	4/18/94	WSF	Canon de Valle	0.06	U	0.14	U	0.037	U	0.035	U
16-1006	2350	AAB1608	Unfiltered	4/18/94	WSF	Canon de Valle	0.06	U	0.162	U	0.037	U	0.035	U
16-2670	5025	0316-97-0450	Filtered	12/15/97	WSF	Canon de Valle	0.00078	U	0.04		0.0002	U	0.0002	U
16-2670	5025	0316-97-0460	Unfiltered	12/15/97	WSF	Canon de Valle	0.00078	U	0.041		0.0002	U	0.0002	U
16-2671	5625	0316-97-0451	Filtered	12/15/97	WSF	Canon de Valle	0.00078	U	0.054		0.0002	U	0.0002	U
16-2671	5625	0316-97-0461	Unfiltered	12/15/97	WSF	Canon de Valle	0.00078	U	0.056		0.0002	U	0.0002	U
16-2675	8500	0316-97-0455	Filtered	1/6/98	WSF	Canon de Valle	0.00078	U	0.00087	U	0.0002	U	0.0018	
16-2675	8500	0316-97-0465	Unfiltered	1/6/98	WSF	Canon de Valle	0.00078	U	0.00087	U	0.0002	U	0.0002	U
16-2688	2975	0316-97-3032	Unfiltered	8/13/97	WSF	Canon de Valle	NA		0.19		0.0029	U	0.0029	U
16-2689	7400	0316-97-3110	Unfiltered	9/22/97	WSF	Canon de Valle	0.01	U	0.077		0.0026	U	0.0025	U
16-2690	300	0316-97-3191	Filtered	12/19/97	WSF	Canon de Valle	0.00078	U	0.00087	U	0.0002	U	0.0002	U
16-2690	300	0316-97-3192	Unfiltered	12/19/97	WSF	Canon de Valle	0.00078	U	0.00087	U	0.0002	U	0.0002	U
16-2747	1530	0816-96-0047	Unfiltered	6/28/96	WSF	Canon de Valle	0.005	U	0.78	J-	0.0013	UJ	0.0013	UJ
16-2748	2200	0816-96-0048	Unfiltered	6/28/96	WSF	Canon de Valle	0.005	U	0.5	J-	0.0013	UJ	0.0013	UJ
16-2757	280	0816-96-0091	Unfiltered	9/6/96	WSF	Canon de Valle	0.00112	J-	0.79	J-	0.000047	R	0.000277	J-
16-2758	500	0816-96-0092	Unfiltered	9/6/96	WSF	Canon de Valle	0.00228	J-	0.765	J-	0.000047	R	0.00349	J-

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

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Explanation of data qualifier flags:

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Canon de Valle Surface Water Samples:

Organic Chemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Acetone (mg/L)		Amino-2,6-dinitrotoluene[4-] (mg/L)		Amino-4,6-dinitrotoluene[2-] (mg/L)		Bis(2-ethylhexyl) phthalate (mg/L)		Chlorophenol [2-] (mg/L)		Dichloroethane [1,2-] (mg/L)		Dinitro-2-methylphenol [4,6-] (mg/L)	
NM Livestock Watering Standard[c]							n.s.(e)		n.s.		n.s.		n.s.		n.s.		n.s.		n.s.	
NM Wildlife Habitat Standard[d]							n.s.		n.s.		n.s.		n.s.		n.s.		n.s.		n.s.	
16-2759	650	0816-96-0093	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.0532	J-	0.0432	J-	0.003	J	0.01	U	0.005	U	0.05	U
16-2760	800	0816-96-0094	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.0176	J-	0.0144	J-	0.003	J	0.01	U	0.005	U	0.05	U
16-2761	1000	0816-96-0095	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.0166	J-	0.0137	J-	0.01	U	0.01	U	0.005	U	0.05	U
16-2762	1175	0816-96-0096	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.0172	J-	0.0139	J-	0.01	U	0.01	U	0.005	U	0.05	U
16-2763	1350	0816-96-0097	Unfiltered	9/6/96	WSF	Canon de Valle	0.008	J	0.0168	J-	0.0136	J-	0.01	U	0.01	U	0.005	U	0.05	U
16-2764	1500	0816-96-0098	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	NA		NA		0.01	U	0.01	U	0.005	U	0.05	
16-2765	1675	0816-96-0099	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.0136	J-	0.0111	J-	0.01	U	0.01		0.005	U	0.05	U
16-2766	1900	0816-96-0100	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.0118	J-	0.0098	J-	0.01	U	0.01	U	0.005	U	0.05	U
16-2767	2100	0816-96-0101	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.008	J-	0.00703	J-	0.01	U	0.01	U	0.005	U	0.05	U
16-2768	2300	0816-96-0102	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.00868	J-	0.00752	J-	0.01	U	0.01	U	0.005	U	0.05	U
16-2768	2300	0816-96-0103	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.00888	J-	0.00761	J-	0.01	U	0.01	U	0.005	U	0.05	U
16-2769	2550	0816-96-0104	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.00844	J-	0.00715	J-	0.013		0.01	U	0.005	U	0.05	U
16-2770	2675	0816-96-0105	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.00832	J-	0.00714	J-	0.01	U	0.01	U	0.005	U	0.05	U
16-2771	2900	0816-96-0106	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.00802	J-	0.00684	J-	0.01	U	0.01	U	0.005	U	0.05	U
16-2772	3100	0816-96-0107	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.00694	J-	0.006	J-	0.01	U	0.01	U	0.005	U	0.05	U
16-2773	3275	0816-96-0108	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.00655	J-	0.00555	J-	0.01	U	0.01	U	0.005	U	0.05	U
16-2774	3400	0816-96-0109	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.00639	J-	0.00544	J-	0.01	U	0.01	U	0.005	U	0.05	U
16-2775	3600	0816-96-0110	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.00622	J-	0.00524	J-	0.01	U	0.01	U	0.005	U	0.05	U
16-2776	3800	0816-96-0111	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.00586	J-	0.00489	J-	0.01	U	0.01	U	0.005	U	0.05	U
16-2777	3975	0816-96-0112	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.00568	J-	0.00473	J-	0.01	U	0.01	U	0.005	U	0.05	U
16-2778	4175	0816-96-0113	Unfiltered	9/6/96	WSF	Canon de Valle	0.02	U	0.00545	J-	0.00452	J-	0.01	U	0.01	U	0.005	U	0.05	U
16-5628	2000	RE16-98-3046	Filtered	6/25/98	WSF	Canon de Valle	NA[f]		0.00039	U	NA		NA		NA		NA		NA	
16-5628	2000	RE16-98-3047	Unfiltered	6/25/98	WSF	Canon de Valle	0.089	UJ	0.00039	U	NA		NA		NA		0.005	UJ	NA	
36-10029	Water Canyon	0236-97-0015	Unfiltered	3/27/97	WSF	Water Canyon	0.021	U	0.000054		0.000049	U	0.01	U	0.01	U	0.004	J	0.05	U
36-10030	12600	0236-97-0016	Unfiltered	3/27/97	WSF	Canon de Valle	0.02	U	0.000196		0.000095		0.01	U	0.01	U	0.006		0.05	U

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

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Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.
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J = The reported value is an estimated quantity.
J- = The analyte was positively identified, and the result is likely biased low.
J+ = The analyte was positively identified, and the result is likely biased high.
R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

Canon de Valle Surface Water Samples:

Organic Chemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Dinitrotoluene [2,4-] (mg/L)		Dinitrotoluene [2,6-] (mg/L)		Di-n-octylphthalate (mg/L)		HMX (mg/L)		Methylene Chloride (mg/L)		Nitrobenzene (mg/L)	
NM Livestock Watering Standard[c]							n.s.		n.s.		n.s.		n.s.		n.s.		n.s.	
NM Wildlife Habitat Standard[d]							n.s.		n.s.		n.s.		n.s.		n.s.		n.s.	
16-2759	650	0816-96-0093	Unfiltered	9/6/96	WSF	Canon de Valle	0.000315	J-	0.01	U	0.01	U	0.123	J-	0.005	U	0.000051	R
16-2760	800	0816-96-0094	Unfiltered	9/6/96	WSF	Canon de Valle	0.000116	J-	0.01	U	0.01	U	0.0436	J-	0.005	U	0.000051	R
16-2761	1000	0816-96-0095	Unfiltered	9/6/96	WSF	Canon de Valle	0.000104	J-	0.01	U	0.01	U	0.0423	J-	0.005	U	0.000051	R
16-2762	1175	0816-96-0096	Unfiltered	9/6/96	WSF	Canon de Valle	0.000105	J-	0.01	U	0.01	U	0.042	J-	0.005	U	0.000051	R
16-2763	1350	0816-96-0097	Unfiltered	9/6/96	WSF	Canon de Valle	0.0001	J-	0.01	U	0.01	U	0.0413	J-	0.005	U	0.000051	R
16-2764	1500	0816-96-0098	Unfiltered	9/6/96	WSF	Canon de Valle	NA		0.01	U	0.01	U	NA		0.005	U	NA	
16-2765	1675	0816-96-0099	Unfiltered	9/6/96	WSF	Canon de Valle	0.000083	J-	0.01	U	0.01	U	0.0429	J-	0.005	U	0.000051	R
16-2766	1900	0816-96-0100	Unfiltered	9/6/96	WSF	Canon de Valle	0.000075	J-	0.01	U	0.01	U	0.0377	J-	0.006		0.000051	R
16-2767	2100	0816-96-0101	Unfiltered	9/6/96	WSF	Canon de Valle	0.000043	J-	0.01	U	0.01	U	0.0357	J-	0.005	U	0.000051	R
16-2768	2300	0816-96-0102	Unfiltered	9/6/96	WSF	Canon de Valle	0.000047	J-	0.01	U	0.01	U	0.0346	J-	0.005	U	0.000051	R
16-2768	2300	0816-96-0103	Unfiltered	9/6/96	WSF	Canon de Valle	0.000056	J-	0.01	U	0.01	U	0.0356	J-	0.005	U	0.000051	R
16-2769	2550	0816-96-0104	Unfiltered	9/6/96	WSF	Canon de Valle	0.000049	J-	0.01	U	0.01	U	0.0343	J-	0.005	U	0.000051	R
16-2770	2675	0816-96-0105	Unfiltered	9/6/96	WSF	Canon de Valle	0.000052	J-	0.01	U	0.01	U	0.0347	J-	0.005	U	0.000051	R
16-2771	2900	0816-96-0106	Unfiltered	9/6/96	WSF	Canon de Valle	0.00004	J-	0.01	U	0.01	U	0.034	J-	0.005	U	0.000051	R
16-2772	3100	0816-96-0107	Unfiltered	9/6/96	WSF	Canon de Valle	0.000037	R	0.01	U	0.01	U	0.0344	J-	0.005	U	0.000051	R
16-2773	3275	0816-96-0108	Unfiltered	9/6/96	WSF	Canon de Valle	0.000058	J-	0.01	U	0.01	U	0.0381	J-	0.005	U	0.000051	R
16-2774	3400	0816-96-0109	Unfiltered	9/6/96	WSF	Canon de Valle	0.000061	J-	0.01	U	0.01	U	0.0378	J-	0.005	U	0.000051	R
16-2775	3600	0816-96-0110	Unfiltered	9/6/96	WSF	Canon de Valle	0.000059	J-	0.01	U	0.01	U	0.0388	J-	0.005	U	0.000051	R
16-2776	3800	0816-96-0111	Unfiltered	9/6/96	WSF	Canon de Valle	0.000047	J-	0.01	U	0.01	U	0.036	J-	0.005	U	0.000051	R
16-2777	3975	0816-96-0112	Unfiltered	9/6/96	WSF	Canon de Valle	0.000049	J-	0.01	U	0.01	U	0.0375	J-	0.005	U	0.000051	R
16-2778	4175	0816-96-0113	Unfiltered	9/6/96	WSF	Canon de Valle	0.000049	J-	0.01	U	0.01	U	0.0395	J-	0.005	U	0.000051	R
16-5628	2000	RE16-98-3046	Filtered	6/25/98	WSF	Canon de Valle	0.0002	U	0.00022		NA		0.014		NA		0.0002	U
16-5628	2000	RE16-98-3047	Unfiltered	6/25/98	WSF	Canon de Valle	0.0002	U	0.0002	U	NA		0.0023		0.005	UJ	0.0002	U
36-10029	Water Canyon	0236-97-0015	Unfiltered	3/27/97	WSF	Water Canyon	0.000036	U	0.01	U	0.01	U	0.000209		0.005	U	0.000054	U
36-10030	12600	0236-97-0016	Unfiltered	3/27/97	WSF	Canon de Valle	0.000036	U	0.01	U	0.01	U	0.0755		0.005	U	0.000054	U

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

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Explanation of data qualifier flags:

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UJ = The compound was analyzed for but was not detected. The associated numerical value is the estimated quantitation limit.
J = The reported value is an estimated quantity.
J- = The analyte was positively identified, and the result is likely biased low.
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R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

Canon de Valle Surface Water Samples:

Organic Chemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Nitrotoluene[2-] (mg/L)		RDX (mg/L)		Trinitrobenzene [1,3,5-] (mg/L)		Trinitrotoluene [2,4,6-] (mg/L)	
NM Livestock Watering Standard[c]							n.s.		n.s.		n.s.		n.s.	
NM Wildlife Habitat Standard[d]							n.s.		n.s.		n.s.		n.s.	
16-2759	650	0816-96-0093	Unfiltered	9/6/96	WSF	Canon de Valle	0.000088	R	0.818	J-	0.000207	J-	0.00741	J-
16-2760	800	0816-96-0094	Unfiltered	9/6/96	WSF	Canon de Valle	0.000851	J-	0.29	J-	0.000047	R	0.000697	J-
16-2761	1000	0816-96-0095	Unfiltered	9/6/96	WSF	Canon de Valle	0.000402	J-	0.274	J-	0.000047	R	0.000539	J-
16-2762	1175	0816-96-0096	Unfiltered	9/6/96	WSF	Canon de Valle	0.000461	J-	0.28	J-	0.000047	R	0.000417	J-
16-2763	1350	0816-96-0097	Unfiltered	9/6/96	WSF	Canon de Valle	0.000531	J-	0.272	J-	0.000047	R	0.000687	J-
16-2764	1500	0816-96-0098	Unfiltered	9/6/96	WSF	Canon de Valle	NA		NA		NA		NA	
16-2765	1675	0816-96-0099	Unfiltered	9/6/96	WSF	Canon de Valle	0.000281	J-	0.296	J-	0.000047	R	0.000114	J-
16-2766	1900	0816-96-0100	Unfiltered	9/6/96	WSF	Canon de Valle	0.000169	J-	0.256	J-	0.000047	R	0.000155	J-
16-2767	2100	0816-96-0101	Unfiltered	9/6/96	WSF	Canon de Valle	0.000088	R	0.241	J-	0.000047	R	0.000052	R
16-2768	2300	0816-96-0102	Unfiltered	9/6/96	WSF	Canon de Valle	0.000413	J-	0.217	J-	0.000047	R	0.00006	J-
16-2768	2300	0816-96-0103	Unfiltered	9/6/96	WSF	Canon de Valle	0.000254	J-	0.231	J-	0.000047	R	0.000084	J-
16-2769	2550	0816-96-0104	Unfiltered	9/6/96	WSF	Canon de Valle	0.00039	J-	0.219	J-	0.000047	R	0.00007	J-
16-2770	2675	0816-96-0105	Unfiltered	9/6/96	WSF	Canon de Valle	0.000088	R	0.226	J-	0.000047	R	0.000063	J-
16-2771	2900	0816-96-0106	Unfiltered	9/6/96	WSF	Canon de Valle	0.000718	J-	0.219	J-	0.000047	R	0.000052	R
16-2772	3100	0816-96-0107	Unfiltered	9/6/96	WSF	Canon de Valle	0.0012	J-	0.21	J-	0.000047	R	0.000052	R
16-2773	3275	0816-96-0108	Unfiltered	9/6/96	WSF	Canon de Valle	0.000581	J-	0.164	J-	0.000047	R	0.000052	R
16-2774	3400	0816-96-0109	Unfiltered	9/6/96	WSF	Canon de Valle	0.000402	J-	0.157	J-	0.000047	R	0.000052	R
16-2775	3600	0816-96-0110	Unfiltered	9/6/96	WSF	Canon de Valle	0.000244	J-	0.158	J-	0.000047	R	0.000052	R
16-2776	3800	0816-96-0111	Unfiltered	9/6/96	WSF	Canon de Valle	0.000522	J-	0.141	J-	0.000047	R	0.000052	R
16-2777	3975	0816-96-0112	Unfiltered	9/6/96	WSF	Canon de Valle	0.00105	J-	0.148	J-	0.000047	R	0.000052	R
16-2778	4175	0816-96-0113	Unfiltered	9/6/96	WSF	Canon de Valle	0.00056	J-	0.138	J-	0.000047	R	0.000052	R
16-5628	2000	RE16-98-3046	Filtered	6/25/98	WSF	Canon de Valle	0.00078	U	0.023		0.0002	U	0.0002	U
16-5628	2000	RE16-98-3047	Unfiltered	6/25/98	WSF	Canon de Valle	0.00078	U	0.0027		0.0002	U	0.0002	U
36-10029	Water Canyon	0236-97-0015	Unfiltered	3/27/97	WSF	Water Canyon	0.000095	U	0.000324		0.000048	U	0.00005	U
36-10030	12600	0236-97-0016	Unfiltered	3/27/97	WSF	Canon de Valle	0.000095	U	0.0206		0.000048	U	0.00005	U

NOTES:

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TABLE CDV-260-7

Canon de Valle Surface Water Samples:

Radiochemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Americium-241 (pCi/L)			Cesium-137 (pCi/L)			Gross Beta Radiation (pCi/L)		Gross Gamma Radiation (pCi/L)	
NM Livestock Watering Standard[c]							n.s.[e]			n.s.			n.s.		n.s.	
NM Wildlife Habitat Standard[d]							n.s.			n.s.			n.s.		n.s.	
16-1001	1300	AAB1597	Filtered	4/18/94	WSF	Canon de Valle	5.49	(5.2)[f]	U	-0.301	(0.955)	U	NA		NA	
16-1001	1300	AAB1603	Unfiltered	4/18/94	WSF	Canon de Valle	4.22	(5.25)	U	-0.985	(0.94)	U	NA		NA	
16-1003	1500	AAB1599	Filtered	4/18/94	WSF	Canon de Valle	19.4	(0)	U	5.3	(0)	U	NA		NA	
16-1004	1950	AAB1600	Filtered	4/18/94	WSF	Canon de Valle	-12.3	(6.55)	U	1.88	(1.335)	U	NA		NA	
16-1005	2125	AAB1601	Filtered	4/18/94	WSF	Canon de Valle	14.17	(0)	U	5.065	(0)	U	NA		NA	
16-1005	2125	AAB1607	Unfiltered	4/18/94	WSF	Canon de Valle	2.69	(4.46)	U	-1.53	(0.935)	U	NA		NA	
16-1006	2350	AAB1602	Filtered	4/18/94	WSF	Canon de Valle	10.04	(0)	U	3.58	(0)	U	NA		NA	
16-1006	2350	AAB1608	Unfiltered	4/18/94	WSF	Canon de Valle	2.7	(4.77)	U	-0.551	(1.135)	U	NA		NA	
16-2757	280	0816-96-0091	Unfiltered	9/6/96	WSF	Canon de Valle	2.6	(2.705)	U	-2.25	(2.705)	U	NA		NA	
16-2758	500	0816-96-0092	Unfiltered	9/6/96	WSF	Canon de Valle	-2.33	(4.37)	U	-2.24	(1.015)	U	NA		NA	
16-2759	650	0816-96-0093	Unfiltered	9/6/96	WSF	Canon de Valle	13.3	(12.7)	U	-1.97	(2.785)	U	NA		NA	
16-2760	800	0816-96-0094	Unfiltered	9/6/96	WSF	Canon de Valle	2.45	(2.605)	U	0.671	(2.49)	U	NA		NA	
16-2761	1000	0816-96-0095	Unfiltered	9/6/96	WSF	Canon de Valle	-5.61	(4.225)	U	-2.43	(1.05)	U	NA		NA	
16-2762	1175	0816-96-0096	Unfiltered	9/6/96	WSF	Canon de Valle	14.6	(11.85)	U	3.45	(2.145)	U	NA		NA	
16-2763	1350	0816-96-0097	Unfiltered	9/6/96	WSF	Canon de Valle	-4.34	(11.6)	U	3.51	(2.23)	U	NA		NA	
16-2764	1500	0816-96-0098	Unfiltered	9/6/96	WSF	Canon de Valle	7.06	(11.5)	U	-3.69	(2.62)	U	NA		NA	
16-2765	1675	0816-96-0099	Unfiltered	9/6/96	WSF	Canon de Valle	2.67	(10.5)	U	-1.18	(2.105)	U	NA		NA	
16-2766	1900	0816-96-0100	Unfiltered	9/6/96	WSF	Canon de Valle	-15.5	(11.4)	U	0.134	(2.075)	U	NA		NA	
16-2767	2100	0816-96-0101	Unfiltered	9/6/96	WSF	Canon de Valle	-0.769	(10.45)	U	3.34	(2.33)	U	NA		NA	
16-2768	2300	0816-96-0102	Unfiltered	9/6/96	WSF	Canon de Valle	-1.74	(2.37)	U	3.04	(2.69)	U	NA		NA	
16-2768	2300	0816-96-0103	Unfiltered	9/6/96	WSF	Canon de Valle	0.589	(4.475)	U	1.53	(1.005)	U	NA		NA	
16-2769	2550	0816-96-0104	Unfiltered	9/6/96	WSF	Canon de Valle	-10.1	(10.7)	U	1.97	(2.305)	U	NA		NA	
16-2770	2675	0816-96-0105	Unfiltered	9/6/96	WSF	Canon de Valle	10.6	(11.55)	U	3.75	(2.225)	U	NA		NA	
16-2771	2900	0816-96-0106	Unfiltered	9/6/96	WSF	Canon de Valle	-0.105	(2.64)	U	0.884	(2.67)	U	NA		NA	
16-2772	3100	0816-96-0107	Unfiltered	9/6/96	WSF	Canon de Valle	-8.26	(4.235)	U	1.2	(1)	U	NA		NA	
16-2773	3275	0816-96-0108	Unfiltered	9/6/96	WSF	Canon de Valle	-14.6	(11.15)	U	2.09	(2.12)	U	NA		NA	
16-2774	3400	0816-96-0109	Unfiltered	9/6/96	WSF	Canon de Valle	-13.1	(10.3)	U	-1.11	(2.265)	U	NA		NA	
16-2775	3600	0816-96-0110	Unfiltered	9/6/96	WSF	Canon de Valle	-2.51	(2.565)	U	2.17	(2.655)	U	NA		NA	
16-2776	3800	0816-96-0111	Unfiltered	9/6/96	WSF	Canon de Valle	6.99	(4.34)	U	-2	(1.02)	U	NA		NA	
16-2777	3975	0816-96-0112	Unfiltered	9/6/96	WSF	Canon de Valle	-12.6	(11.15)	U	-0.414	(1.93)	U	NA		NA	
16-2778	4175	0816-96-0113	Unfiltered	9/6/96	WSF	Canon de Valle	-8.79	(9.9)	U	-2.27	(2.235)	U	NA		NA	
36-10029	Water Canyon	0236-97-0015	Unfiltered	3/27/97	WSF	Water Canyon	NA(g)			NA			5.26	(0.93)	225	(18.5)
36-10030	12600	0236-97-0016	Unfiltered	3/27/97	WSF	Canon de Valle	NA			NA			4.61	(0.98)	213	(16.4)

NOTES:

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(e) n.s. = no standard. A numerical standard is not available.

(f) ( ) = 1-sigma uncertainty associated with reported result

(g) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the detection limit.

TABLE CDV-260-7

Canon de Valle Surface Water Samples:

Radiochemical Results

Location ID	Distance from TA-16-260 Outfall (ft)	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Uranium-234 (pCi/L)			Uranium-235 (pCi/L)			Uranium-238 (pCi/L)		
NM Livestock Watering Standard[c]							n.s.			n.s.			n.s.		
NM Wildlife Habitat Standard[d]							n.s.			n.s.			n.s.		
16-1001	1300	AAB1597	Filtered	4/18/94	WSF	Canon de Valle	NA			NA			NA		
16-1001	1300	AAB1603	Unfiltered	4/18/94	WSF	Canon de Valle	NA			NA			NA		
16-1003	1500	AAB1599	Filtered	4/18/94	WSF	Canon de Valle	NA			NA			NA		
16-1004	1950	AAB1600	Filtered	4/18/94	WSF	Canon de Valle	NA			NA			NA		
16-1005	2125	AAB1601	Filtered	4/18/94	WSF	Canon de Valle	NA			NA			NA		
16-1005	2125	AAB1607	Unfiltered	4/18/94	WSF	Canon de Valle	NA			NA			NA		
16-1006	2350	AAB1602	Filtered	4/18/94	WSF	Canon de Valle	NA			NA			NA		
16-1006	2350	AAB1608	Unfiltered	4/18/94	WSF	Canon de Valle	NA			NA			NA		
16-2757	280	0816-96-0091	Unfiltered	9/6/96	WSF	Canon de Valle	NA			0.342	(3.66)	U	NA		
16-2758	500	0816-96-0092	Unfiltered	9/6/96	WSF	Canon de Valle	NA			-1.99	(2.4)	U	NA		
16-2759	650	0816-96-0093	Unfiltered	9/6/96	WSF	Canon de Valle	NA			1.16	(3.635)	U	NA		
16-2760	800	0816-96-0094	Unfiltered	9/6/96	WSF	Canon de Valle	NA			3.81	(3.92)	U	NA		
16-2761	1000	0816-96-0095	Unfiltered	9/6/96	WSF	Canon de Valle	NA			-2.42	(2.365)	U	NA		
16-2762	1175	0816-96-0096	Unfiltered	9/6/96	WSF	Canon de Valle	NA			0.592	(3.23)	U	NA		
16-2763	1350	0816-96-0097	Unfiltered	9/6/96	WSF	Canon de Valle	NA			-4.76	(3.285)	U	NA		
16-2764	1500	0816-96-0098	Unfiltered	9/6/96	WSF	Canon de Valle	NA			-3.35	(3.17)	U	NA		
16-2765	1675	0816-96-0099	Unfiltered	9/6/96	WSF	Canon de Valle	NA			-4.7	(2.955)	U	NA		
16-2766	1900	0816-96-0100	Unfiltered	9/6/96	WSF	Canon de Valle	NA			-5.49	(3.085)	U	NA		
16-2767	2100	0816-96-0101	Unfiltered	9/6/96	WSF	Canon de Valle	NA			-4.1	(3.04)	U	NA		
16-2768	2300	0816-96-0102	Unfiltered	9/6/96	WSF	Canon de Valle	NA			0.702	(3.57)	U	NA		
16-2768	2300	0816-96-0103	Unfiltered	9/6/96	WSF	Canon de Valle	NA			-1.44	(2.5)	U	NA		
16-2769	2550	0816-96-0104	Unfiltered	9/6/96	WSF	Canon de Valle	NA			-5.02	(3.015)	U	NA		
16-2770	2675	0816-96-0105	Unfiltered	9/6/96	WSF	Canon de Valle	NA			-4.1	(3.075)	U	NA		
16-2771	2900	0816-96-0106	Unfiltered	9/6/96	WSF	Canon de Valle	NA			1.65	(3.62)	U	NA		
16-2772	3100	0816-96-0107	Unfiltered	9/6/96	WSF	Canon de Valle	NA			-1.79	(2.415)	U	NA		
16-2773	3275	0816-96-0108	Unfiltered	9/6/96	WSF	Canon de Valle	NA			-4.23	(3.255)	U	NA		
16-2774	3400	0816-96-0109	Unfiltered	9/6/96	WSF	Canon de Valle	NA			-5.3	(3.105)	U	NA		
16-2775	3600	0816-96-0110	Unfiltered	9/6/96	WSF	Canon de Valle	NA			-1.65	(3.57)	U	NA		
16-2776	3800	0816-96-0111	Unfiltered	9/6/96	WSF	Canon de Valle	NA			-1.61	(2.44)	U	NA		
16-2777	3975	0816-96-0112	Unfiltered	9/6/96	WSF	Canon de Valle	NA			-6.86	(3.245)	U	NA		
16-2778	4175	0816-96-0113	Unfiltered	9/6/96	WSF	Canon de Valle	NA			-4.34	(3)	U	NA		
36-10029	Water Canyon	0236-97-0015	Unfiltered	3/27/97	WSF	Water Canyon	0.099	(0.0255)	U	0.045	(0.0155)	U	0.054	(0.0265)	U
36-10030	12600	0236-97-0016	Unfiltered	3/27/97	WSF	Canon de Valle	0.144	(0.028)		0.018	(0.0145)	U	0.135	(0.0275)	

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

(f) ( ) = 1-sigma uncertainty associated with reported result

(g) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the detection limit.

Canon de Valle Seep and Alluvium Well Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Aluminum (mg/L)	Antimony (mg/L)		Arsenic (mg/L)		Barium (mg/L)	Beryllium (mg/L)	
NM Ground Water Standard[c]							5.0	n.s.[d]		0.1		1.0	n.s.	
Peter Seep														
16-2653	0316-97-3024	Filtered	6/27/97	WGS	Canon de Valle	NM[e]	0.428	0.0034	U	0.0026	U	0.753	0.001	U
16-2653	0316-97-3025	Unfiltered	6/27/97	WGS	Canon de Valle	NM	0.56	0.0034	U	0.0026	U	0.763	0.00096	U
16-2653	0316-97-3106	Unfiltered	9/19/97	WGS	Canon de Valle	NM	1.5	0.02	UJ	0.025		3	0.004	U
16-2653	0316-97-3107	Filtered	9/19/97	WGS	Canon de Valle	NM	0.3	0.02	UJ	0.004	U	3.4	0.004	U
16-2653	RE16-98-3018	Filtered	3/30/98	WGS	Canon de Valle	NM	0.492	0.0034	U	0.0025	U	0.627	0.00077	
16-2653	RE16-98-3019	Unfiltered	3/30/98	WGS	Canon de Valle	NM	3.19	0.0034	U	0.0025	U	1.2	0.00098	
16-2653	RE16-98-3044	Filtered	6/23/98	WGS	Canon de Valle	NM	0.0573	0.0036	U	0.0026	U	1.19	0.00016	U
16-2653	RE16-98-3045	Unfiltered	6/23/98	WGS	Canon de Valle	NM	2.58	0.0036	U	0.0026	U	0.968	0.00038	U
Fish Ladder Seep														
16-2654	0316-97-3102	Unfiltered	9/19/97	WGS	Canon de Valle	NM	1	0.02	UJ	0.021		1.1	0.004	U
16-2654	0316-97-3103	Filtered	9/19/97	WGS	Canon de Valle	NM	0.8	0.02	UJ	0.02		1	0.004	U
16-2654	RE16-98-3020	Filtered	3/30/98	WGS	Canon de Valle	NM	5.87	0.0034	U	0.0025	U	0.417	0.0013	
16-2654	RE16-98-3021	Unfiltered	3/30/98	WGS	Canon de Valle	NM	14	0.0034	U	0.0083		0.979	0.0021	
Alluvial Well 16-2655														
16-2655	0316-97-0476	Filtered	12/19/97	WGA	Canon de Valle	NM	0.1	0.02	U	0.004	U	0.11	0.004	U
16-2655	0316-97-0482	Unfiltered	12/22/97	WGA	Canon de Valle	NM	7.8	0.02	U	0.004	U	0.16	0.004	U
16-2655	RE16-98-3000	Filtered	3/23/98	WGA	Canon de Valle	7576.17	9.71	0.0052	U	0.0076		0.109	0.0011	U
16-2655	RE16-98-3001	Unfiltered	3/23/98	WGA	Canon de Valle	7576.17	30.3	0.0052	U	0.0076		0.252	0.0025	U

NOTES:

(a) All seep water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. All alluvial well water samples are grab samples collected using a bailer. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, Spring, WGA = Groundwater, Alluvial Well

(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(d) n.s. = no standard

(e) NM = not measured

(f) NA = not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

PM = Manual inspection of the data is required. Final data use must be considered prior to qualification of the data.

Canon de Valle Seep and Alluvium Well Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Cadmium (mg/L)		Calcium (mg/L)		Chromium, Total (mg/L)		Cobalt (mg/L)		Copper (mg/L)	
NM Ground Water Standard[c]							0.01		n.s.		0.05		0.05		1.0	
Peter Seep																
16-2653	0316-97-3024	Filtered	6/27/97	WGS	Canon de Valle	NM[e]	0.0004	U	18.2		0.0012	J	0.00095	U	0.0009	U
16-2653	0316-97-3025	Unfiltered	6/27/97	WGS	Canon de Valle	NM	0.0004	U	18.4		0.00092	J	0.0009	U	0.0009	U
16-2653	0316-97-3106	Unfiltered	9/19/97	WGS	Canon de Valle	NM	0.005	U	19	U	0.01	U	0.02	U	0.02	U
16-2653	0316-97-3107	Filtered	9/19/97	WGS	Canon de Valle	NM	0.005	U	18	U	0.01	U	0.02	U	0.02	U
16-2653	RE16-98-3018	Filtered	3/30/98	WGS	Canon de Valle	NM	0.0003	U	19.2		0.0029		0.0008	U	0.0006	U
16-2653	RE16-98-3019	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.0003	U	19.6		0.0039		0.0008	U	0.0043	
16-2653	RE16-98-3044	Filtered	6/23/98	WGS	Canon de Valle	NM	0.0011		19.9		0.0056	U	0.00098		0.0061	U
16-2653	RE16-98-3045	Unfiltered	6/23/98	WGS	Canon de Valle	NM	0.0012		18.7		0.0086		0.0021		0.0132	
Fish Ladder Seep																
16-2654	0316-97-3102	Unfiltered	9/19/97	WGS	Canon de Valle	NM	0.005	U	18	U	0.01	U	0.02	U	0.02	U
16-2654	0316-97-3103	Filtered	9/19/97	WGS	Canon de Valle	NM	0.005	U	19	U	0.01	U	0.02	U	0.02	U
16-2654	RE16-98-3020	Filtered	3/30/98	WGS	Canon de Valle	NM	0.0003	U	5.43		0.0059		0.0014		0.0066	
16-2654	RE16-98-3021	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.0003	U	7.62		0.0104		0.0129		0.013	
Alluvial Well 16-2655																
16-2655	0316-97-0476	Filtered	12/19/97	WGA	Canon de Valle	NM	0.005	U	30		0.01	U	0.02	U	0.02	U
16-2655	0316-97-0482	Unfiltered	12/22/97	WGA	Canon de Valle	NM	0.005	U	32		0.01	U	0.02	U	0.02	U
16-2655	RE16-98-3000	Filtered	3/23/98	WGA	Canon de Valle	7576.17	0.0003	U	19.4		0.0098	U	0.0031		0.0114	
16-2655	RE16-98-3001	Unfiltered	3/23/98	WGA	Canon de Valle	7576.17	0.0003	U	20.5		0.023		0.0065		0.0205	

NOTES:

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(b) WGS = Groundwater, Spring, WGA = Groundwater, Alluvial Well

(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

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Canon de Valle Seep and Alluvium Well Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Cyanide, Total (mg/L)		Iron (mg/L)		Lead (mg/L)		Magnesium (mg/L)		Manganese (mg/L)	
NM Ground Water Standard[c]							0.2		1.0		0.05		n.s.		0.2	
Peter Seep																
16-2653	0316-97-3024	Filtered	6/27/97	WGS	Canon de Valle	NM[e]	NA[f]		0.265		0.0016	U	4.75	J	0.0022	J
16-2653	0316-97-3025	Unfiltered	6/27/97	WGS	Canon de Valle	NM	NA		0.415		0.0016	U	4.83	J	0.0032	J
16-2653	0316-97-3106	Unfiltered	9/19/97	WGS	Canon de Valle	NM	NA		0.61		0.005	J	4.8		0.01	U
16-2653	0316-97-3107	Filtered	9/19/97	WGS	Canon de Valle	NM	NA		0.28		0.003	J	4.8		0.01	U
16-2653	RE16-98-3018	Filtered	3/30/98	WGS	Canon de Valle	NM	0.01	U	0.268		0.0014	U	5.13		0.0017	
16-2653	RE16-98-3019	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.01	U	2.48		0.0067		5.51		0.0337	
16-2653	RE16-98-3044	Filtered	6/23/98	WGS	Canon de Valle	NM	0.0025	U	0.554		0.0019	U	5.34		0.333	
16-2653	RE16-98-3045	Unfiltered	6/23/98	WGS	Canon de Valle	NM	0.0025	PM	2.61		0.0068		5.44		0.351	
Fish Ladder Seep																
16-2654	0316-97-3102	Unfiltered	9/19/97	WGS	Canon de Valle	NM	NA		6.6		0.003	J	4		3.2	
16-2654	0316-97-3103	Filtered	9/19/97	WGS	Canon de Valle	NM	NA		1.1		0.001	UJ	4.2		2.7	
16-2654	RE16-98-3020	Filtered	3/30/98	WGS	Canon de Valle	NM	0.01	U	5.7		0.0048		1.84		0.0744	
16-2654	RE16-98-3021	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.01	U	17.7		0.0146		3.21		1.26	
Alluvial Well 16-2655																
16-2655	0316-97-0476	Filtered	12/19/97	WGA	Canon de Valle	NM	0.01	U	0.1	U	0.002		6.6	U	0.71	
16-2655	0316-97-0482	Unfiltered	12/22/97	WGA	Canon de Valle	NM	0.01	U	5.8	U	0.005		7.8	U	0.74	
16-2655	RE16-98-3000	Filtered	3/23/98	WGA	Canon de Valle	7576.17	0.01	U	7.99	J	0.0027		5.03		0.0888	
16-2655	RE16-98-3001	Unfiltered	3/23/98	WGA	Canon de Valle	7576.17	0.01	U	26.8	J	0.0144		7.47		0.295	

NOTES:

(a) All seep water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. All alluvial well water samples are grab samples collected using a bailer. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, Spring, WGA = Groundwater, Alluvial Well

(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(d) n.s. = no standard

(e) NM = not measured

(f) NA = not analyzed

Explanation of data qualifier flags:

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Canon de Valle Seep and Alluvium Well Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Mercury (mg/L)		Nickel (mg/L)		Nitrate-N + Nitrite-N (mg/L)	Potassium (mg/L)		Selenium (mg/L)	
NM Ground Water Standard[c]							0.002		0.2		10.0	n.s.		0.05	
Peter Seep															
16-2653	0316-97-3024	Filtered	6/27/97	WGS	Canon de Valle	NM[e]	0.00002	U	0.0014	U	NA	3.15	J	0.0027	U
16-2653	0316-97-3025	Unfiltered	6/27/97	WGS	Canon de Valle	NM	0.00002	U	0.0022	U	NA	3.19	J	0.0027	U
16-2653	0316-97-3106	Unfiltered	9/19/97	WGS	Canon de Valle	NM	0.0002	U	0.04	U	NA	3		0.004	UJ
16-2653	0316-97-3107	Filtered	9/19/97	WGS	Canon de Valle	NM	0.0002	U	0.04	U	NA	2		0.004	U
16-2653	RE16-98-3018	Filtered	3/30/98	WGS	Canon de Valle	NM	0.00002	U	0.0007	U	NA	3.58	J	0.0031	U
16-2653	RE16-98-3019	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.00002	U	0.0033		NA	3.89	J	0.0031	U
16-2653	RE16-98-3044	Filtered	6/23/98	WGS	Canon de Valle	NM	0.0001	U	0.0023		0.5	4.28		0.0036	U
16-2653	RE16-98-3045	Unfiltered	6/23/98	WGS	Canon de Valle	NM	0.0001	U	0.0044		1	4.29		0.0036	U
Fish Ladder Seep															
16-2654	0316-97-3102	Unfiltered	9/19/97	WGS	Canon de Valle	NM	0.0002	U	0.04	U	NA	3		0.004	UJ
16-2654	0316-97-3103	Filtered	9/19/97	WGS	Canon de Valle	NM	0.0002	U	0.04	U	NA	2		0.004	UJ
16-2654	RE16-98-3020	Filtered	3/30/98	WGS	Canon de Valle	NM	0.00002	U	0.0046		NA	3.06	J	0.0031	U
16-2654	RE16-98-3021	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.00002	U	0.0092		NA	4.61	J	0.0037	
Alluvial Well 16-2655															
16-2655	0316-97-0476	Filtered	12/19/97	WGA	Canon de Valle	NM	0.0002	U	0.04	U	0.85	9		0.006	U
16-2655	0316-97-0482	Unfiltered	12/22/97	WGA	Canon de Valle	NM	0.0002	U	0.04	U	1.1	9		0.008	U
16-2655	RE16-98-3000	Filtered	3/23/98	WGA	Canon de Valle	7576.17	0.00004	U	0.0151		NA	7.62	J	0.0031	U
16-2655	RE16-98-3001	Unfiltered	3/23/98	WGA	Canon de Valle	7576.17	0.00009		0.0232		NA	10.8	J	0.0048	

NOTES:

(a) All seep water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. All alluvial well water samples are grab samples collected using a bailer. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, Spring, WGA = Groundwater, Alluvial Well

(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(d) n.s. = no standard

(e) NM = not measured

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PM = Manual inspection of the data is required. Final data use must be considered prior to qualification of the data.

Canon de Valle Seep and Alluvium Well Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Silver (mg/L)		Sodium (mg/L)		Thallium (mg/L)		Vanadium (mg/L)		Zinc (mg/L)	
NM Ground Water Standard[c]							0.05		n.s.		n.s.		n.s.		10.0	
Peter Seep																
16-2653	0316-97-3024	Filtered	6/27/97	WGS	Canon de Valle	NM[e]	0.0012	U	19		0.0022	U	0.0024	J	0.0009	U
16-2653	0316-97-3025	Unfiltered	6/27/97	WGS	Canon de Valle	NM	0.0012	UJ	19		0.0022	U	0.0028	J	0.0009	U
16-2653	0316-97-3106	Unfiltered	9/19/97	WGS	Canon de Valle	NM	0.01	U	14	U	0.005	U	0.01	U	0.05	J
16-2653	0316-97-3107	Filtered	9/19/97	WGS	Canon de Valle	NM	0.01	U	15	U	0.005	U	0.01	U	0.02	UJ
16-2653	RE16-98-3018	Filtered	3/30/98	WGS	Canon de Valle	NM	0.0009	U	21.3		0.0038	U	0.0012		0.0013	
16-2653	RE16-98-3019	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.0009	U	21.1		0.0038	U	0.0037		0.0088	
16-2653	RE16-98-3044	Filtered	6/23/98	WGS	Canon de Valle	NM	0.0012		24.3		0.0044	U	0.0012		0.0053	
16-2653	RE16-98-3045	Unfiltered	6/23/98	WGS	Canon de Valle	NM	0.001	U	23.4		0.0044	U	0.0047		0.0145	
Fish Ladder Seep																
16-2654	0316-97-3102	Unfiltered	9/19/97	WGS	Canon de Valle	NM	0.01	U	7.7	U	0.005	U	0.01	U	0.04	J
16-2654	0316-97-3103	Filtered	9/19/97	WGS	Canon de Valle	NM	0.01	U	8.2	U	0.005	U	0.01	U	0.05	J
16-2654	RE16-98-3020	Filtered	3/30/98	WGS	Canon de Valle	NM	0.0009	U	7.37		0.0038	U	0.0123		0.0268	
16-2654	RE16-98-3021	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.0009	U	7.7		0.0038	U	0.0331		0.059	
Alluvial Well 16-2655																
16-2655	0316-97-0476	Filtered	12/19/97	WGA	Canon de Valle	NM	0.01	U	190		0.005	U	0.01	U	0.04	U
16-2655	0316-97-0482	Unfiltered	12/22/97	WGA	Canon de Valle	NM	0.01	U	170		0.005	U	0.01		0.04	U
16-2655	RE16-98-3000	Filtered	3/23/98	WGA	Canon de Valle	7576.17	0.0014		132		0.0091		0.0211		0.0795	
16-2655	RE16-98-3001	Unfiltered	3/23/98	WGA	Canon de Valle	7576.17	0.0029		131		0.0062		0.0423		0.139	

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PM = Manual inspection of the data is required. Final data use must be considered prior to qualification of the data.

Canon de Valle Seep and Alluvium Well Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Aluminum (mg/L)		Antimony (mg/L)		Arsenic (mg/L)		Barium (mg/L)	Beryllium (mg/L)	
NM Ground Water Standard[c]							5.0		n.s.[d]		0.1		1.0	n.s.	
Alluvial Well 16-2656															
16-2656	0316-97-0477	Filtered	12/19/97	WGA	Canon de Valle	NM	0.1	U	0.02	U	0.004	U	3.1	0.004	U
16-2656	0316-97-0483	Unfiltered	12/19/97	WGA	Canon de Valle	NM	28		0.02	U	0.009		4.3	0.004	U
16-2656	RE16-98-3002	Filtered	3/23/98	WGA	Canon de Valle	7437.88	0.103	U	0.0052	U	0.0017	U	3.07	0.0006	U
16-2656	RE16-98-3003	Unfiltered	3/23/98	WGA	Canon de Valle	7437.88	15.5		0.0109		0.0099		4.6	0.0028	
16-2656	RE16-98-3030	Filtered	6/23/98	WGA	Canon de Valle	7437.18	0.0675		0.0036	U	0.0026	U	3.22	0.00025	
16-2656	RE16-98-3031	Unfiltered	6/23/98	WGA	Canon de Valle	7437.18	28.6		0.0036	U	0.0083		4.59	0.0023	
Alluvial Well 16-2657															
16-2657	RE16-98-3004	Filtered	3/24/98	WGA	Canon de Valle	7430.35	0.315		0.0052	U	0.0017	U	0.547	0.00059	
16-2657	RE16-98-3005	Unfiltered	3/24/98	WGA	Canon de Valle	7430.35	8.99		0.0052	U	0.0043		1.41	0.0023	
16-2657	RE16-98-3033	Unfiltered	6/26/98	WGA	Canon de Valle	NM	0.707		0.0052	U	0.0017	U	2.51	0.00031	
Alluvial Well 16-2658															
16-2658	0316-97-0479	Filtered	12/22/97	WGA	Canon de Valle	NM	0.1	U	0.02	U	0.004	U	12	0.004	U
16-2658	0316-97-0485	Unfiltered	12/22/97	WGA	Canon de Valle	NM	19		NA		0.004	U	16	0.004	U
16-2658	RE16-98-3006	Filtered	3/24/98	WGA	Canon de Valle	7370.1	0.128		0.0052	U	0.0017	U	10.8	0.00063	
16-2658	RE16-98-3007	Unfiltered	3/24/98	WGA	Canon de Valle	7370.1	16.2		0.0052	U	0.0067		16.8	0.0032	
16-2658	RE16-98-3034	Filtered	6/19/98	WGA	Canon de Valle	7369.98	0.1	U	0.02	U	0.004	U	9.5	0.004	U
16-2658	RE16-98-3035	Unfiltered	6/19/98	WGA	Canon de Valle	7369.98	12		0.02	U	0.009		12	0.004	U
Alluvial Well 16-2659															
16-2659	0316-97-0480	Filtered	12/22/97	WGA	Canon de Valle	NM	0.1	U	0.02	U	0.004	U	5	0.004	U
16-2659	0316-97-0486	Unfiltered	12/22/97	WGA	Canon de Valle	NM	20		0.02	U	0.004	U	6.8	0.004	U
16-2659	RE16-98-3008	Filtered	3/25/98	WGA	Canon de Valle	7293.35	0.137		0.0052	U	0.0017	U	5.01	0.00063	
16-2659	RE16-98-3009	Unfiltered	3/25/98	WGA	Canon de Valle	7293.35	8.04		0.0052	U	0.0017	U	6.51	0.0016	
16-2659	RE16-98-3036	Filtered	6/19/98	WGA	Canon de Valle	7292.95	0.6		0.02	U	0.004	U	4.7	0.004	U
16-2659	RE16-98-3037	Unfiltered	6/19/98	WGA	Canon de Valle	7292.95	9.4		0.02	U	0.004		6.6	0.004	U

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Canon de Valle Seep and Alluvium Well Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Cadmium (mg/L)		Calcium (mg/L)	Chromium, Total (mg/L)		Cobalt (mg/L)		Copper (mg/L)	
NM Ground Water Standard[c]							0.01		n.s.	0.05		0.05		1.0	
Alluvial Well 16-2656															
16-2656	0316-97-0477	Filtered	12/19/97	WGA	Canon de Valle	NM	0.005	U	19	0.01	U	0.02	U	0.02	U
16-2656	0316-97-0483	Unfiltered	12/19/97	WGA	Canon de Valle	NM	0.005	U	21	0.03	U	0.02	U	0.02	U
16-2656	RE16-98-3002	Filtered	3/23/98	WGA	Canon de Valle	7437.88	0.0003	U	17.5	0.0038	U	0.0014		0.0011	
16-2656	RE16-98-3003	Unfiltered	3/23/98	WGA	Canon de Valle	7437.88	0.0003	U	21	0.0223		0.0087		0.0137	
16-2656	RE16-98-3030	Filtered	6/23/98	WGA	Canon de Valle	7437.18	0.0011		18.8	0.0043	U	0.0016		0.005	U
16-2656	RE16-98-3031	Unfiltered	6/23/98	WGA	Canon de Valle	7437.18	0.0011		20.6	0.0312		0.0064		0.0235	
Alluvial Well 16-2657															
16-2657	RE16-98-3004	Filtered	3/24/98	WGA	Canon de Valle	7430.35	0.0003	U	14.3	0.0039		0.0032	U	0.0032	
16-2657	RE16-98-3005	Unfiltered	3/24/98	WGA	Canon de Valle	7430.35	0.0003	U	21	0.0102		0.0032	U	0.0143	
16-2657	RE16-98-3033	Unfiltered	6/26/98	WGA	Canon de Valle	NM	0.0003	U	30.3	0.0046		0.0052		0.0022	
Alluvial Well 16-2658															
16-2658	0316-97-0479	Filtered	12/22/97	WGA	Canon de Valle	NM	0.005	U	16	0.01	U	0.02	U	0.02	U
16-2658	0316-97-0485	Unfiltered	12/22/97	WGA	Canon de Valle	NM	0.005	U	19	0.04	U	0.02	U	0.02	U
16-2658	RE16-98-3006	Filtered	3/24/98	WGA	Canon de Valle	7370.1	0.0003	U	1.3	0.00378		0.0065		0.00087	
16-2658	RE16-98-3007	Unfiltered	3/24/98	WGA	Canon de Valle	7370.1	0.00038		16.6	0.0497		0.0129		0.0263	
16-2658	RE16-98-3034	Filtered	6/19/98	WGA	Canon de Valle	7369.98	0.005	U	12	0.02	U	0.02	U	0.02	U
16-2658	RE16-98-3035	Unfiltered	6/19/98	WGA	Canon de Valle	7369.98	0.005		13	0.04	U	0.02	U	0.04	U
Alluvial Well 16-2659															
16-2659	0316-97-0480	Filtered	12/22/97	WGA	Canon de Valle	NM	0.005	U	16	0.01	U	0.02	U	0.02	U
16-2659	0316-97-0486	Unfiltered	12/22/97	WGA	Canon de Valle	NM	0.005	U	17	0.02	U	0.02	U	0.02	U
16-2659	RE16-98-3008	Filtered	3/25/98	WGA	Canon de Valle	7293.35	0.0003	U	15.9	0.0036		0.0032	U	0.002	
16-2659	RE16-98-3009	Unfiltered	3/25/98	WGA	Canon de Valle	7293.35	0.0003	U	17.4	0.0081		0.0032	U	0.0066	
16-2659	RE16-98-3036	Filtered	6/19/98	WGA	Canon de Valle	7292.95	0.005	U	14	0.01	U	0.02	U	0.02	U
16-2659	RE16-98-3037	Unfiltered	6/19/98	WGA	Canon de Valle	7292.95	0.005	U	16	0.01	U	0.02	U	0.02	U

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Canon de Valle Seep and Alluvium Well Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Cyanide, Total (mg/L)		Iron (mg/L)		Lead (mg/L)		Magnesium (mg/L)		Manganese (mg/L)	
NM Ground Water Standard[c]							0.2		1.0		0.05		n.s.		0.2	
Alluvial Well 16-2656																
16-2656	0316-97-0477	Filtered	12/19/97	WGA	Canon de Valle	NM	0.01	U	0.05	U	0.001		5	U	0.21	
16-2656	0316-97-0483	Unfiltered	12/19/97	WGA	Canon de Valle	NM	0.01	U	30	U	0.038		7.4	U	1.4	
16-2656	RE16-98-3002	Filtered	3/23/98	WGA	Canon de Valle	7437.88	0.01	U	0.0491	UJ	0.0013	U	4.85		0.0031	
16-2656	RE16-98-3003	Unfiltered	3/23/98	WGA	Canon de Valle	7437.88	0.01	U	17.8	J	0.024		6.8		1.11	
16-2656	RE16-98-3030	Filtered	6/23/98	WGA	Canon de Valle	7437.18	0.0025	U	0.0581	U	0.002		5.16		0.0443	
16-2656	RE16-98-3031	Unfiltered	6/23/98	WGA	Canon de Valle	7437.18	0.0025	U	24.7		0.0286		7.75		1.57	
Alluvial Well 16-2657																
16-2657	RE16-98-3004	Filtered	3/24/98	WGA	Canon de Valle	7430.35	0.01		0.208	J	0.0013	U	3.15		0.718	
16-2657	RE16-98-3005	Unfiltered	3/24/98	WGA	Canon de Valle	7430.35	0.01	U	10.5	J	0.0208		5.27		0.835	
16-2657	RE16-98-3033	Unfiltered	6/26/98	WGA	Canon de Valle	NM	NA		8.69		0.0013	U	6.96		4.34	
Alluvial Well 16-2658																
16-2658	0316-97-0479	Filtered	12/22/97	WGA	Canon de Valle	NM	0.01	U	0.75	U	0.001	U	4.7	U	1.3	
16-2658	0316-97-0485	Unfiltered	12/22/97	WGA	Canon de Valle	NM	0.01	U	16	U	0.059		7	U	1.8	
16-2658	RE16-98-3006	Filtered	3/24/98	WGA	Canon de Valle	7370.1	0.01	U	4.38	J	0.0013	U	4.04		1.42	
16-2658	RE16-98-3007	Unfiltered	3/24/98	WGA	Canon de Valle	7370.1	0.01	U	26	J	0.109		6.21		1.88	
16-2658	RE16-98-3034	Filtered	6/19/98	WGA	Canon de Valle	7369.98	0.01	U	3.5		0.001	U	3.5	U	1.1	
16-2658	RE16-98-3035	Unfiltered	6/19/98	WGA	Canon de Valle	7369.98	0.01	U	18		0.0812		4.6	U	1.3	
Alluvial Well 16-2659																
16-2659	0316-97-0480	Filtered	12/22/97	WGA	Canon de Valle	NM	0.01	U	0.06	U	0.001	U	4.6	U	0.01	
16-2659	0316-97-0486	Unfiltered	12/22/97	WGA	Canon de Valle	NM	0.01	U	18	U	0.015		6.7		0.88	U
16-2659	RE16-98-3008	Filtered	3/25/98	WGA	Canon de Valle	7293.35	0.01	U	0.0372	J	0.0013	U	4.74		0.003	
16-2659	RE16-98-3009	Unfiltered	3/25/98	WGA	Canon de Valle	7293.35	0.01	U	8.08	J	0:0083		5.76		0.46	
16-2659	RE16-98-3036	Filtered	6/19/98	WGA	Canon de Valle	7292.95	0.01	U	0.09		0.00104		4		0.01	U
16-2659	RE16-98-3037	Unfiltered	6/19/98	WGA	Canon de Valle	7292.95	0.01	U	8.8		0.0158		5.3	U	0.86	

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Canon de Valle Seep and Alluvium Well Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Mercury (mg/L)		Nickel (mg/L)		Nitrate-N + Nitrite-N (mg/L)		Potassium (mg/L)		Selenium (mg/L)	
NM Ground Water Standard[c]							0.002		0.2		10.0		n.s.		0.05	
Alluvial Well 16-2656																
16-2656	0316-97-0477	Filtered	12/19/97	WGA	Canon de Valle	NM	0.0002	U	0.04	U	1.7		3		0.004	U
16-2656	0316-97-0483	Unfiltered	12/19/97	WGA	Canon de Valle	NM	0.002	U	0.04	U	2.1		10		0.004	U
16-2656	RE16-98-3002	Filtered	3/23/98	WGA	Canon de Valle	7437.88	0.00004	U	0.0011		NA		2.69	J	0.0031	U
16-2656	RE16-98-3003	Unfiltered	3/23/98	WGA	Canon de Valle	7437.88	0.00004	U	0.0124		NA		6.46	J	0.0058	
16-2656	RE16-98-3030	Filtered	6/23/98	WGA	Canon de Valle	7437.18	0.0001	U	0.0027		1.1		3.67		0.0036	U
16-2656	RE16-98-3031	Unfiltered	6/23/98	WGA	Canon de Valle	7437.18	0.0001	U	0.0167		5.4		9.42		0.0036	U
Alluvial Well 16-2657																
16-2657	RE16-98-3004	Filtered	3/24/98	WGA	Canon de Valle	7430.35	0.00004	U	0.0035		NA		8.91		0.0032	
16-2657	RE16-98-3005	Unfiltered	3/24/98	WGA	Canon de Valle	7430.35	0.00004	U	0.0099		NA		12	J	0.0046	
16-2657	RE16-98-3033	Unfiltered	6/26/98	WGA	Canon de Valle	NM	0.00018		0.0079		NA		10.9		0.0031	U
Alluvial Well 16-2658																
16-2658	0316-97-0479	Filtered	12/22/97	WGA	Canon de Valle	NM	0.0002	U	0.04	U	NA		2		0.004	U
16-2658	0316-97-0485	Unfiltered	12/22/97	WGA	Canon de Valle	NM	0.0002	U	0.04	U	0.05	U	6		0.004	U
16-2658	RE16-98-3006	Filtered	3/24/98	WGA	Canon de Valle	7370.1	0.00004	U	0.0066		NA		2.19	J	0.0031	U
16-2658	RE16-98-3007	Unfiltered	3/24/98	WGA	Canon de Valle	7370.1	0.00004	U	0.0199		NA		5.88	J	0.0031	U
16-2658	RE16-98-3034	Filtered	6/19/98	WGA	Canon de Valle	7369.98	0.0002	U	0.04	U	NA		2		0.004	U
16-2658	RE16-98-3035	Unfiltered	6/19/98	WGA	Canon de Valle	7369.98	0.0002	U	0.04	U	NA		5		0.004	U
Alluvial Well 16-2659																
16-2659	0316-97-0480	Filtered	12/22/97	WGA	Canon de Valle	NM	0.0002	U	0.04	U	0.32		3		0.004	U
16-2659	0316-97-0486	Unfiltered	12/22/97	WGA	Canon de Valle	NM	0.0002	U	0.04	U	0.32		6		0.004	U
16-2659	RE16-98-3008	Filtered	3/25/98	WGA	Canon de Valle	7293.35	0.00004	U	0.0006		NA		3.08	J	0.0031	U
16-2659	RE16-98-3009	Unfiltered	3/25/98	WGA	Canon de Valle	7293.35	0.00004	U	0.0055		NA		4.66	J	0.0031	U
16-2659	RE16-98-3036	Filtered	6/19/98	WGA	Canon de Valle	7292.95	0.0002	U	0.04	U	NA		3		0.004	U
16-2659	RE16-98-3037	Unfiltered	6/19/98	WGA	Canon de Valle	7292.95	0.0002	U	0.04	U	NA		5	U	0.004	U

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Canon de Valle Seep and Alluvium Well Water Samples:

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Silver (mg/L)		Sodium (mg/L)		Thallium (mg/L)		Vanadium (mg/L)		Zinc (mg/L)	
NM Ground Water Standard[c]							0.05		n.s.		n.s.		n.s.		10.0	
Alluvial Well 16-2656																
16-2656	0316-97-0477	Filtered	12/19/97	WGA	Canon de Valle	NM	0.01	U	19		0.005	U	0.01	U	0.02	U
16-2656	0316-97-0483	Unfiltered	12/19/97	WGA	Canon de Valle	NM	0.01	U	21		0.005	U	0.03		0.14	U
16-2656	RE16-98-3002	Filtered	3/23/98	WGA	Canon de Valle	7437.88	0.0012	U	18.2		0.0052	U	0.0008	U	0.0081	
16-2656	RE16-98-3003	Unfiltered	3/23/98	WGA	Canon de Valle	7437.88	0.0012	U	19.9		0.0052	U	0.0205		0.0989	
16-2656	RE16-98-3030	Filtered	6/23/98	WGA	Canon de Valle	7437.18	0.001	U	19.1		0.0076		0.001		0.0161	
16-2656	RE16-98-3031	Unfiltered	6/23/98	WGA	Canon de Valle	7437.18	0.001	U	20.5		0.0044	U	0.0279		0.113	
Alluvial Well 16-2657																
16-2657	RE16-98-3004	Filtered	3/24/98	WGA	Canon de Valle	7430.35	0.0012	U	73.6		0.0052	U	0.0008	U	0.63	
16-2657	RE16-98-3005	Unfiltered	3/24/98	WGA	Canon de Valle	7430.35	0.0012	U	65.2		0.0069		0.0085		0.994	
16-2657	RE16-98-3033	Unfiltered	6/26/98	WGA	Canon de Valle	NM	0.0012	U	54.5		0.0052	U	0.0015		0.0752	
Alluvial Well 16-2658																
16-2658	0316-97-0479	Filtered	12/22/97	WGA	Canon de Valle	NM	0.01	U	19		0.005	U	0.01	U	0.02	U
16-2658	0316-97-0485	Unfiltered	12/22/97	WGA	Canon de Valle	NM	0.01	U	22		0.005	U	0.01		0.17	U
16-2658	RE16-98-3006	Filtered	3/24/98	WGA	Canon de Valle	7370.1	0.0012	U	25.6		0.0057		0.0008	U	0.0129	
16-2658	RE16-98-3007	Unfiltered	3/24/98	WGA	Canon de Valle	7370.1	0.0072		27.6		0.0052	U	0.0224		0.159	
16-2658	RE16-98-3034	Filtered	6/19/98	WGA	Canon de Valle	7369.98	0.01	U	16	U	0.005	U	0.01	U	0.08	
16-2658	RE16-98-3035	Unfiltered	6/19/98	WGA	Canon de Valle	7369.98	0.01	U	17	U	0.005	U	0.01		0.44	
Alluvial Well 16-2659																
16-2659	0316-97-0480	Filtered	12/22/97	WGA	Canon de Valle	NM	0.01	U	17		0.005	U	0.01	U	0.02	U
16-2659	0316-97-0486	Unfiltered	12/22/97	WGA	Canon de Valle	NM	0.01	U	17		0.005	U	0.02		0.07	U
16-2659	RE16-98-3008	Filtered	3/25/98	WGA	Canon de Valle	7293.35	0.0012	U	17.9		0.0052	U	0.0008	U	0.0034	
16-2659	RE16-98-3009	Unfiltered	3/25/98	WGA	Canon de Valle	7293.35	0.0012	U	18.6		0.0052	U	0.0114		0.0351	
16-2659	RE16-98-3036	Filtered	6/19/98	WGA	Canon de Valle	7292.95	0.01	U	15	U	0.005	U	0.01	U	0.13	
16-2659	RE16-98-3037	Unfiltered	6/19/98	WGA	Canon de Valle	7292.95	0.01	U	16	U	0.005	U	0.01		0.11	

NOTES:

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(b) WGS = Groundwater, Spring, WGA = Groundwater, Alluvial Well

(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(d) n.s. = no standard

(e) NM = not measured

(f) NA = not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

Table CD[illegible]-9

Canon de Valle Seep and Alluvium Well Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Alkalinity, Total (Methyl Orange [pH=4.5] end point) (mg/L)	Bicarbonate by alkalinity tritration (mg/L)	Boron (mg/L)		Bromide (mg/L)		Calcium (mg/L)
NM Ground Water Standard[c]							n.s.[d]	n.s.	0.75		n.s.		n.s.
Peter Seep													
16-2653	0316-97-3026	Filtered	6/27/97	WGS	Canon de Valle	NM[e]	65	NA	0.0871	J	0.2	U	18
16-2653	0316-97-3027	Unfiltered	6/27/97	WGS	Canon de Valle	NM	65	NA	0.0384	J	0.2	U	18.8
16-2653	0316-97-3106	Unfiltered	9/19/97	WGS	Canon de Valle	NM	75	NA	NA		2	U	NA
16-2653	0316-97-3107	Filtered	9/19/97	WGS	Canon de Valle	NM	77	NA	NA		2	U	NA
16-2653	RE16-98-3018	Filtered	3/30/98	WGS	Canon de Valle	NM	NA[f]	NA	0.0168		0.2	U	NA
16-2653	RE16-98-3019	Unfiltered	3/30/98	WGS	Canon de Valle	NM	NA	NA	0.0207		0.2	U	NA
16-2653	RE16-98-3044	Filtered	6/23/98	WGS	Canon de Valle	NM	NA	76	0.0191		0.2	U	NA
16-2653	RE16-98-3045	Unfiltered	6/23/98	WGS	Canon de Valle	NM	NA	75	0.0192		0.51		NA
Fishladder Seep													
16-2654	0316-97-3102	Unfiltered	9/19/97	WGS	Canon de Valle	NM	84	NA	NA		2		NA
16-2654	0316-97-3103	Filtered	9/19/97	WGS	Canon de Valle	NM	92	NA	NA		2	U	NA
16-2654	RE16-98-3020	Filtered	3/30/98	WGS	Canon de Valle	NM	NA	NA	0.032		0.2	U	NA
16-2654	RE16-98-3021	Unfiltered	3/30/98	WGS	Canon de Valle	NM	NA	NA	0.0497		0.2	U	NA
Alluvial Well 16-2655													
16-2655	0316-97-0476	Filtered	12/19/97	WGA	Canon de Valle	NM	NA	NA	NA		4	U	NA
16-2655	0316-97-0482	Unfiltered	12/22/97	WGA	Canon de Valle	NM	NA	NA	NA		2	U	NA
16-2655	RE16-98-3000	Filtered	3/23/98	WGA	Canon de Valle	7576.17	NA	258.3	0.0673		0.2	U	NA
16-2655	RE16-98-3001	Unfiltered	3/23/98	WGA	Canon de Valle	7576.17	NA	250	0.0791		0.2	U	NA

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Table CDV-260-9

Canon de Valle Seep and Alluvium Well Water Samples:

Water Quality Parameters													
Location ID	**Sample ID**	**Field Preparation[a]**	**Collection Date**	**Media Code[b]**	**Watershed**	**Water Table Elevation (ft)**	**Carbon, Total Organic (mg/L)**	**Carbonate (mg/L)**		**Chloride (mg/L)**	**Conductivity (UMHOS)**	**Fluoride (mg/L)**	**Hydrogen carbonate (mg/L)**
NM Ground Water Standard[c]							n.s.	n.s.		250	n.s.	1.6	n.s.
Peter Seep													
16-2653	0316-97-3026	Filtered	6/27/97	WGS	Canon de Valle	NM[e]	NA	NA		16	229	0.3	NA
16-2653	0316-97-3027	Unfiltered	6/27/97	WGS	Canon de Valle	NM	NA	NA		16	229	0.3	NA
16-2653	0316-97-3106	Unfiltered	9/19/97	WGS	Canon de Valle	NM	NA	NA		22	240	0.3	NA
16-2653	0316-97-3107	Filtered	9/19/97	WGS	Canon de Valle	NM	NA	NA		24	220	0.3	NA
16-2653	RE16-98-3018	Filtered	3/30/98	WGS	Canon de Valle	NM	2	5	U	23	NA	0.3	70
16-2653	RE16-98-3019	Unfiltered	3/30/98	WGS	Canon de Valle	NM	4	5	U	23	NA	0.3	74
16-2653	RE16-98-3044	Filtered	6/23/98	WGS	Canon de Valle	NM	6	5		0.32	290	0.23	NA
16-2653	RE16-98-3045	Unfiltered	6/23/98	WGS	Canon de Valle	NM	5	5		33	280	0.24	NA
Fishladder Seep													
16-2654	0316-97-3102	Unfiltered	9/19/97	WGS	Canon de Valle	NM	NA	NA		4	180	0.2	NA
16-2654	0316-97-3103	Filtered	9/19/97	WGS	Canon de Valle	NM	NA	NA		4	170	0.2	NA
16-2654	RE16-98-3020	Filtered	3/30/98	WGS	Canon de Valle	NM	14	5	U	4.5	NA	0.1	11
16-2654	RE16-98-3021	Unfiltered	3/30/98	WGS	Canon de Valle	NM	22	5	U	4	NA	0.1	14
Alluvial Well 16-2655													
16-2655	0316-97-0476	Filtered	12/19/97	WGA	Canon de Valle	NM	NA	NA		35	NA	0.6	NA
16-2655	0316-97-0482	Unfiltered	12/22/97	WGA	Canon de Valle	NM	NA	NA		36	NA	0.4	NA
16-2655	RE16-98-3000	Filtered	3/23/98	WGA	Canon de Valle	7576.17	15	5	U	33.7	NA	0.7	NA
16-2655	RE16-98-3001	Unfiltered	3/23/98	WGA	Canon de Valle	7576.17	24	5	U	33	NA	0.7	NA

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Canon de Valle Seep and Alluvium Well Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Lithium (mg/L)	Molybdenum (mg/L)	Nitrogen, Ammonia (Expressed as N) (mg/L)	Nitrogen, Nitrate (Expressed as NO3) (mg/L)	Nitrogen, Nitrite (Expressed as NO2) (mg/L)
NM Ground Water Standard[c]							n.s.	1	n.s.	10	n.s.
Peter Seep											
16-2653	0316-97-3026	Filtered	6/27/97	WGS	Canon de Valle	NM[e]	NA	NA	NA	NA	NA
16-2653	0316-97-3027	Unfiltered	6/27/97	WGS	Canon de Valle	NM	NA	NA	NA	NA	NA
16-2653	0316-97-3106	Unfiltered	9/19/97	WGS	Canon de Valle	NM	NA	NA	NA	NA	NA
16-2653	0316-97-3107	Filtered	9/19/97	WGS	Canon de Valle	NM	NA	NA	NA	NA	NA
16-2653	RE16-98-3018	Filtered	3/30/98	WGS	Canon de Valle	NM	0.0049	0.0029 U	0.5 U	0.9	0.1 U
16-2653	RE16-98-3019	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.0089	0.0029 U	0.5 U	0.9	0.1 U
16-2653	RE16-98-3044	Filtered	6/23/98	WGS	Canon de Valle	NM	0.0035	0.0049 U	0.5	NA	NA
16-2653	RE16-98-3045	Unfiltered	6/23/98	WGS	Canon de Valle	NM	0.0062	0.0049 U	0.5	NA	NA
Fishladder Seep											
16-2654	0316-97-3102	Unfiltered	9/19/97	WGS	Canon de Valle	NM	NA	NA	NA	NA	NA
16-2654	0316-97-3103	Filtered	9/19/97	WGS	Canon de Valle	NM	NA	NA	NA	NA	NA
16-2654	RE16-98-3020	Filtered	3/30/98	WGS	Canon de Valle	NM	0.0181	0.0029 U	0.5 U	0.2 U	0.1 U
16-2654	RE16-98-3021	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.0258	0.0063	0.5 U	0.2 U	0.1 U
Alluvial Well 16-2655											
16-2655	0316-97-0476	Filtered	12/19/97	WGA	Canon de Valle	NM	NA	NA	NA	NA	NA
16-2655	0316-97-0482	Unfiltered	12/22/97	WGA	Canon de Valle	NM	NA	NA	NA	NA	NA
16-2655	RE16-98-3000	Filtered	3/23/98	WGA	Canon de Valle	7576.17	0.0168	0.0055	0.5 U	0.8	0.1 U
16-2655	RE16-98-3001	Unfiltered	3/23/98	WGA	Canon de Valle	7576.17	0.0342	0.0057	0.5 U	0.8	0.1 U

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Table CDV-260-9

Canon de Valle Seep and Alluvium Well Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	pH (SU)	Phosphorus, Orthophosphate (Expressed as PO4) (mg/L)		Phosphorus, Total (Expressed as P) (mg/L)	Potassium (mg/L)		Silicon (mg/L)	Sodium (mg/L)
NM Ground Water Standard[c]							n.s.	n.s.		n.s.	n.s.		n.s.	n.s.
Peter Seep														
16-2653	0316-97-3026	Filtered	6/27/97	WGS	Canon de Valle	NM[e]	NA	NA		NA	3.12	J	20.3	18.7
16-2653	0316-97-3027	Unfiltered	6/27/97	WGS	Canon de Valle	NM	NA	NA		NA	3.24	J	18.7	19.3
16-2653	0316-97-3106	Unfiltered	9/19/97	WGS	Canon de Valle	NM	7	NA		NA	NA		18	NA
16-2653	0316-97-3107	Filtered	9/19/97	WGS	Canon de Valle	NM	7.05	NA		NA	NA		18	NA
16-2653	RE16-98-3018	Filtered	3/30/98	WGS	Canon de Valle	NM	NA	0.2	U	NA	NA		NA	NA
16-2653	RE16-98-3019	Unfiltered	3/30/98	WGS	Canon de Valle	NM	NA	0.2	U	NA	NA		NA	NA
16-2653	RE16-98-3044	Filtered	6/23/98	WGS	Canon de Valle	NM	7.8	NA		0.053	NA		NA	NA
16-2653	RE16-98-3045	Unfiltered	6/23/98	WGS	Canon de Valle	NM	7.7	NA		0.12	NA		NA	NA
Fishladder Seep														
16-2654	0316-97-3102	Unfiltered	9/19/97	WGS	Canon de Valle	NM	6.91	NA		NA	NA		16	NA
16-2654	0316-97-3103	Filtered	9/19/97	WGS	Canon de Valle	NM	6.92	NA		NA	NA		16	NA
16-2654	RE16-98-3020	Filtered	3/30/98	WGS	Canon de Valle	NM	NA	0.2	U	NA	NA		NA	NA
16-2654	RE16-98-3021	Unfiltered	3/30/98	WGS	Canon de Valle	NM	NA	0.2	U	NA	NA		NA	NA
Alluvial Well 16-2655														
16-2655	0316-97-0476	Filtered	12/19/97	WGA	Canon de Valle	NM	NA	NA		NA	NA		NA	NA
16-2655	0316-97-0482	Unfiltered	12/22/97	WGA	Canon de Valle	NM	NA	NA		NA	NA		NA	NA
16-2655	RE16-98-3000	Filtered	3/23/98	WGA	Canon de Valle	7576.17	8.1	1.07		NA	NA		NA	NA
16-2655	RE16-98-3001	Unfiltered	3/23/98	WGA	Canon de Valle	7576.17	7.7	1.2		NA	NA		NA	NA

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Canon de Valle Seep and Alluvium Well Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Solids, Total Dissolved (mg/L)	Solids, Total Suspended (mg/L)		Strontium (mg/L)	Sulfate (mg/L)	Turbidity (NTU)	Uranium (mg/L)	
NM Ground Water Standard[c]							n.s.	n.s.		n.s.	600	n.s.	5	
Peter Seep														
16-2653	0316-97-3026	Filtered	6/27/97	WGS	Canon de Valle	NM[e]	180	40	U	NA	10	6.5	NA	
16-2653	0316-97-3027	Unfiltered	6/27/97	WGS	Canon de Valle	NM	180	40	U	NA	10	6.6	NA	
16-2653	0316-97-3106	Unfiltered	9/19/97	WGS	Canon de Valle	NM	160	6	U	NA	12	9.5	NA	
16-2653	0316-97-3107	Filtered	9/19/97	WGS	Canon de Valle	NM	170	5	U	NA	13	5.7	NA	
16-2653	RE16-98-3018	Filtered	3/30/98	WGS	Canon de Valle	NM	180	20	U	0.126	10	NA	0.0804	U
16-2653	RE16-98-3019	Unfiltered	3/30/98	WGS	Canon de Valle	NM	210	47		0.133	10	NA	0.0804	U
16-2653	RE16-98-3044	Filtered	6/23/98	WGS	Canon de Valle	NM	170	20		0.125	8.4	NA	0.126	U
16-2653	RE16-98-3045	Unfiltered	6/23/98	WGS	Canon de Valle	NM	170	85		0.119	9.6	NA	0.126	U
Fishladder Seep														
16-2654	0316-97-3102	Unfiltered	9/19/97	WGS	Canon de Valle	NM	150	160		NA	8	19	NA	
16-2654	0316-97-3103	Filtered	9/19/97	WGS	Canon de Valle	NM	140	5	U	NA	9	4.3	NA	
16-2654	RE16-98-3020	Filtered	3/30/98	WGS	Canon de Valle	NM	220	20	U	0.0395	9	NA	0.0804	U
16-2654	RE16-98-3021	Unfiltered	3/30/98	WGS	Canon de Valle	NM	400	98		0.0577	10	NA	0.0804	U
Alluvial Well 16-2655														
16-2655	0316-97-0476	Filtered	12/19/97	WGA	Canon de Valle	NM	NA	NA		NA	60	NA	NA	
16-2655	0316-97-0482	Unfiltered	12/22/97	WGA	Canon de Valle	NM	NA	NA		NA	23	NA	NA	
16-2655	RE16-98-3000	Filtered	3/23/98	WGA	Canon de Valle	7576.17	632	20	U	0.121	61.4	NA	0.126	U
16-2655	RE16-98-3001	Unfiltered	3/23/98	WGA	Canon de Valle	7576.17	1000	180		0.143	54	NA	0.126	U

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Canon de Valle Seep and Alluvium Well Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Alkalinity, Total (Methyl Orange [pH=4.5] end point) (mg/L)	Bicarbonate by alkalinity tritration (mg/L)	Boron (mg/L)	Bromide (mg/L)		Calcium (mg/L)
NM Ground Water Standard[c]							n.s.[d]	n.s.	0.75	n.s.		n.s.
Alluvial Well 16-2656												
16-2656	0316-97-0477	Filtered	12/19/97	WGA	Canon de Valle	NA	NA	NA	NA	2	U	NA
16-2656	0316-97-0483	Unfiltered	12/19/97	WGA	Canon de Valle	NA	NA	NA	NA	4	U	NA
16-2656	RE16-98-3002	Filtered	3/23/98	WGA	Canon de Valle	7437.88	NA	68	0.0197	0.2	U	NA
16-2656	RE16-98-3003	Unfiltered	3/23/98	WGA	Canon de Valle	7437.88	NA	67	0.023	0.2	U	NA
16-2656	RE16-98-3030	Filtered	6/23/98	WGA	Canon de Valle	7437.18	NA	81	0.0203	0.2	U	NA
16-2656	RE16-98-3031	Unfiltered	6/23/98	WGA	Canon de Valle	7437.18	NA	77	0.0235	0.2	U	NA
Alluvial Well 16-2657												
16-2657	RE16-98-3004	Filtered	3/24/98	WGA	Canon de Valle	7430.35	NA	NA	0.0328	0.2	U	NA
16-2657	RE16-98-3005	Unfiltered	3/24/98	WGA	Canon de Valle	7430.35	NA	NA	0.0335	0.2	U	NA
Alluvial Well 16-2658												
16-2658	0316-97-0479	Filtered	12/22/97	WGA	Canon de Valle	NA	NA	NA	NA	4	U	NA
16-2658	0316-97-0485	Unfiltered	12/22/97	WGA	Canon de Valle	NA	NA	NA	NA	2	U	NA
16-2658	RE16-98-3006	Filtered	3/24/98	WGA	Canon de Valle	7370.1	NA	NA	0.0398	0.4		NA
16-2658	RE16-98-3007	Unfiltered	3/24/98	WGA	Canon de Valle	7370.1	NA	NA	0.0479	0.4		NA
16-2658	RE16-98-3034	Filtered	6/19/98	WGA	Canon de Valle	7369.98	NA	NA	0.0395	NA		NA
16-2658	RE16-98-3035	Unfiltered	6/19/98	WGA	Canon de Valle	7369.98	NA	NA	0.0401	NA		NA
16-2658	RE16-98-3048	Filtered	6/25/98	WGA	Canon de Valle	7369.98	NA	69	NA	0.24		NA
16-2658	RE16-98-3049	Unfiltered	6/25/98	WGA	Canon de Valle	7369.98	NA	67	NA	0.2	U	NA
Alluvial Well 16-2659												
16-2659	0316-97-0480	Filtered	12/22/97	WGA	Canon de Valle	NA	NA	NA	NA	8	U	NA
16-2659	0316-97-0486	Unfiltered	12/22/97	WGA	Canon de Valle	NA	NA	NA	NA	4	U	NA
16-2659	RE16-98-3008	Filtered	3/25/98	WGA	Canon de Valle	7293.35	NA	NA	0.0463	0.5		NA
16-2659	RE16-98-3009	Unfiltered	3/25/98	WGA	Canon de Valle	7293.35	NA	NA	0.0488	0.5		NA
16-2659	RE16-98-3036	Filtered	6/19/98	WGA	Canon de Valle	7292.95	NA	NA	0.0508	NA		NA
16-2659	RE16-98-3037	Unfiltered	6/19/98	WGA	Canon de Valle	7292.95	NA	NA	0.0459	NA		NA
16-2659	RE16-98-3050	Filtered	6/25/98	WGA	Canon de Valle	7292.95	NA	72	NA	0.2	U	NA
16-2659	RE16-98-3051	Unfiltered	6/25/98	WGA	Canon de Valle	7292.95	NA	74	NA	0.2	U	NA

NOTES:

(a) All seep water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. All alluvial well water samples are grab samples collected using a bailer. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, Spring, WGA = Groundwater, Alluvial Well

(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(d) n.s. = no standard

(e) NM = not measured

(f) NA = not analyzed

UMHOS = Micromhos

SU = Standard unit

NTU = Nephelometric Turbidity Unit

Explanation of data qualifier flags:

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The associated numerical value is the detection limit.

J = The reported value is an estimated quantity.

Canon de Valle Seep and Alluvium Well Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Carbon, Total Organic (mg/L)	Carbonate (mg/L)		Chloride (mg/L)	Conductivity (UMHOS)	Fluoride (mg/L)		Hydrogen carbonate (mg/L)
NM Ground Water Standard[c]							n.s.	n.s.		250	n.s.	1.6		n.s.
Alluvial Well 16-2656														
16-2656	0316-97-0477	Filtered	12/19/97	WGA	Canon de Valle	NA	NA	NA		14	NA	0.1		NA
16-2656	0316-97-0483	Unfiltered	12/19/97	WGA	Canon de Valle	NA	NA	NA		15	NA	0.1		NA
16-2656	RE16-98-3002	Filtered	3/23/98	WGA	Canon de Valle	7437.88	3	5	U	21	NA	0.2		NA
16-2656	RE16-98-3003	Unfiltered	3/23/98	WGA	Canon de Valle	7437.88	7	5	U	22	NA	0.3		NA
16-2656	RE16-98-3030	Filtered	6/23/98	WGA	Canon de Valle	7437.18	4	5		15	240	0.26		NA
16-2656	RE16-98-3031	Unfiltered	6/23/98	WGA	Canon de Valle	7437.18	4	5		15	250	0.27		NA
Alluvial Well 16-2657														
16-2657	RE16-98-3004	Filtered	3/24/98	WGA	Canon de Valle	7430.35	NA	NA		29	NA	0.5		NA
16-2657	RE16-98-3005	Unfiltered	3/24/98	WGA	Canon de Valle	7430.35	NA	NA		33	NA	0.6		NA
Alluvial Well 16-2658														
16-2658	0316-97-0479	Filtered	12/22/97	WGA	Canon de Valle	NA	NA	NA		11	NA	0.1	U	NA
16-2658	0316-97-0485	Unfiltered	12/22/97	WGA	Canon de Valle	NA	NA	NA		11	NA	0.1	U	NA
16-2658	RE16-98-3006	Filtered	3/24/98	WGA	Canon de Valle	7370.1	NA	NA		19	NA	0.2		NA
16-2658	RE16-98-3007	Unfiltered	3/24/98	WGA	Canon de Valle	7370.1	NA	NA		22	NA	0.3		NA
16-2658	RE16-98-3034	Filtered	6/19/98	WGA	Canon de Valle	7369.98	NA	NA		NA	NA	NA		NA
16-2658	RE16-98-3035	Unfiltered	6/19/98	WGA	Canon de Valle	7369.98	NA	NA		NA	NA	NA		NA
16-2658	RE16-98-3048	Filtered	6/25/98	WGA	Canon de Valle	7369.98	NA	5	U	12	200	0.18		NA
16-2658	RE16-98-3049	Unfiltered	6/25/98	WGA	Canon de Valle	7369.98	NA	5	U	13	190	0.17		NA
Alluvial Well 16-2659														
16-2659	0316-97-0480	Filtered	12/22/97	WGA	Canon de Valle	NA	NA	NA		13	NA	0.1	U	NA
16-2659	0316-97-0486	Unfiltered	12/22/97	WGA	Canon de Valle	NA	NA	NA		15	NA	0.1	U	NA
16-2659	RE16-98-3008	Filtered	3/25/98	WGA	Canon de Valle	7293.35	NA	NA		17	NA	0.1	U	NA
16-2659	RE16-98-3009	Unfiltered	3/25/98	WGA	Canon de Valle	7293.35	NA	NA		18	NA	0.1	U	NA
16-2659	RE16-98-3036	Filtered	6/19/98	WGA	Canon de Valle	7292.95	NA	NA		NA	NA	NA		NA
16-2659	RE16-98-3037	Unfiltered	6/19/98	WGA	Canon de Valle	7292.95	NA	NA		NA	NA	NA		NA
16-2659	RE16-98-3050	Filtered	6/25/98	WGA	Canon de Valle	7292.95	NA	5	U	12	210	NA		NA
16-2659	RE16-98-3051	Unfiltered	6/25/98	WGA	Canon de Valle	7292.95	NA	5	U	12	210	0.21		NA

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Table CDV-260-9

Canon de Valle Seep and Alluvium Well Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Lithium (mg/L)	Molybdenum (mg/L)		Nitrogen, Ammonia (Expressed as N) (mg/L)		Nitrogen, Nitrate (Expressed as NO3) (mg/L)		Nitrogen, Nitrite (Expressed as NO2) (mg/L)	
NM Ground Water Standard[c]							n.s.	1		n.s.		10		n.s.	
Alluvial Well 16-2656															
16-2656	0316-97-0477	Filtered	12/19/97	WGA	Canon de Valle	NA	NA	NA		NA		NA		NA	
16-2656	0316-97-0483	Unfiltered	12/19/97	WGA	Canon de Valle	NA	NA	NA		NA		NA		NA	
16-2656	RE16-98-3002	Filtered	3/23/98	WGA	Canon de Valle	7437.88	0.0035	0.0049	U	0.5	U	0.4		0.1	U
16-2656	RE16-98-3003	Unfiltered	3/23/98	WGA	Canon de Valle	7437.88	0.0158	0.0053		0.5	U	0.4		0.1	U
16-2656	RE16-98-3030	Filtered	6/23/98	WGA	Canon de Valle	7437.18	0.0036	0.0049	U	0.5		NA		NA	
16-2656	RE16-98-3031	Unfiltered	6/23/98	WGA	Canon de Valle	7437.18	0.0199	0.007		0.5		NA		NA	
Alluvial Well 16-2657															
16-2657	RE16-98-3004	Filtered	3/24/98	WGA	Canon de Valle	7430.35	0.0163	0.0102		NA		1.8		0.1	U
16-2657	RE16-98-3005	Unfiltered	3/24/98	WGA	Canon de Valle	7430.35	0.0229	0.0083		NA		1.7		0.1	U
Alluvial Well 16-2658															
16-2658	0316-97-0479	Filtered	12/22/97	WGA	Canon de Valle	NA	NA	NA		NA		NA		NA	
16-2658	0316-97-0485	Unfiltered	12/22/97	WGA	Canon de Valle	NA	NA	NA		NA		NA		NA	
16-2658	RE16-98-3006	Filtered	3/24/98	WGA	Canon de Valle	7370.1	0.0035	0.0049	U	NA		0.2	U	0.1	U
16-2658	RE16-98-3007	Unfiltered	3/24/98	WGA	Canon de Valle	7370.1	0.0164	0.0061		NA		0.2	U	0.1	U
16-2658	RE16-98-3034	Filtered	6/19/98	WGA	Canon de Valle	7369.98	0.0053	0.0049		NA		NA		NA	
16-2658	RE16-98-3035	Unfiltered	6/19/98	WGA	Canon de Valle	7369.98	0.0129	0.0049		NA		NA		NA	
16-2658	RE16-98-3048	Filtered	6/25/98	WGA	Canon de Valle	7369.98	NA	NA		NA		NA		NA	
16-2658	RE16-98-3049	Unfiltered	6/25/98	WGA	Canon de Valle	7369.98	NA	NA		NA		NA		NA	
Alluvial Well 16-2659															
16-2659	0316-97-0480	Filtered	12/22/97	WGA	Canon de Valle	NA	NA	NA		NA		NA		NA	
16-2659	0316-97-0486	Unfiltered	12/22/97	WGA	Canon de Valle	NA	NA	NA		NA		NA		NA	
16-2659	RE16-98-3008	Filtered	3/25/98	WGA	Canon de Valle	7293.35	0.0066	0.0049	U	NA		0.2	U	0.1	U
16-2659	RE16-98-3009	Unfiltered	3/25/98	WGA	Canon de Valle	7293.35	0.0139	0.0049	U	NA		0.2	U	0.1	U
16-2659	RE16-98-3036	Filtered	6/19/98	WGA	Canon de Valle	7292.95	0.0069	0.0049		NA		NA		NA	
16-2659	RE16-98-3037	Unfiltered	6/19/98	WGA	Canon de Valle	7292.95	0.0189	0.0049		NA		NA		NA	
16-2659	RE16-98-3050	Filtered	6/25/98	WGA	Canon de Valle	7292.95	NA	NA		NA		NA		NA	
16-2659	RE16-98-3051	Unfiltered	6/25/98	WGA	Canon de Valle	7292.95	NA	NA		NA		NA		NA	

NOTES:

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Canon de Valle Seep and Alluvium Well Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	pH (SU)	Phosphorus, Orthophosphate (Expressed as PO4) (mg/L)		Phosphorus, Total (Expressed as P) (mg/L)	Potassium (mg/L)	Silicon (mg/L)	Sodium (mg/L)
NM Ground Water Standard[c]							n.s.	n.s.		n.s.	n.s.	n.s.	n.s.
Alluvial Well 16-2656													
16-2656	0316-97-0477	Filtered	12/19/97	WGA	Canon de Valle	NA	NA	NA		NA	NA	NA	NA
16-2656	0316-97-0483	Unfiltered	12/19/97	WGA	Canon de Valle	NA	NA	NA		NA	NA	NA	NA
16-2656	RE16-98-3002	Filtered	3/23/98	WGA	Canon de Valle	7437.88	7.6	0.2	U	NA	NA	NA	NA
16-2656	RE16-98-3003	Unfiltered	3/23/98	WGA	Canon de Valle	7437.88	7.4	0.2	U	NA	NA	NA	NA
16-2656	RE16-98-3030	Filtered	6/23/98	WGA	Canon de Valle	7437.18	7.3	NA		0.05	NA	NA	NA
16-2656	RE16-98-3031	Unfiltered	6/23/98	WGA	Canon de Valle	7437.18	7.1	NA		0.17	NA	NA	NA
Alluvial Well 16-2657													
16-2657	RE16-98-3004	Filtered	3/24/98	WGA	Canon de Valle	7430.35	NA	NA		NA	NA	NA	NA
16-2657	RE16-98-3005	Unfiltered	3/24/98	WGA	Canon de Valle	7430.35	NA	NA		NA	NA	NA	NA
Alluvial Well 16-2658													
16-2658	0316-97-0479	Filtered	12/22/97	WGA	Canon de Valle	NA	NA	NA		NA	NA	NA	NA
16-2658	0316-97-0485	Unfiltered	12/22/97	WGA	Canon de Valle	NA	NA	NA		NA	NA	NA	NA
16-2658	RE16-98-3006	Filtered	3/24/98	WGA	Canon de Valle	7370.1	NA	NA		NA	NA	NA	NA
16-2658	RE16-98-3007	Unfiltered	3/24/98	WGA	Canon de Valle	7370.1	NA	NA		NA	NA	NA	NA
16-2658	RE16-98-3034	Filtered	6/19/98	WGA	Canon de Valle	7369.98	NA	NA		NA	NA	NA	NA
16-2658	RE16-98-3035	Unfiltered	6/19/98	WGA	Canon de Valle	7369.98	NA	NA		NA	NA	NA	NA
16-2658	RE16-98-3048	Filtered	6/25/98	WGA	Canon de Valle	7369.98	NA	NA		NA	NA	NA	NA
16-2658	RE16-98-3049	Unfiltered	6/25/98	WGA	Canon de Valle	7369.98	NA	NA		NA	NA	NA	NA
Alluvial Well 16-2659													
16-2659	0316-97-0480	Filtered	12/22/97	WGA	Canon de Valle	NA	NA	NA		NA	NA	NA	NA
16-2659	0316-97-0486	Unfiltered	12/22/97	WGA	Canon de Valle	NA	NA	NA		NA	NA	NA	NA
16-2659	RE16-98-3008	Filtered	3/25/98	WGA	Canon de Valle	7293.35	NA	NA		NA	NA	NA	NA
16-2659	RE16-98-3009	Unfiltered	3/25/98	WGA	Canon de Valle	7293.35	NA	NA		NA	NA	NA	NA
16-2659	RE16-98-3036	Filtered	6/19/98	WGA	Canon de Valle	7292.95	NA	NA		NA	NA	NA	NA
16-2659	RE16-98-3037	Unfiltered	6/19/98	WGA	Canon de Valle	7292.95	NA	NA		NA	NA	NA	NA
16-2659	RE16-98-3050	Filtered	6/25/98	WGA	Canon de Valle	7292.95	NA	NA		NA	NA	NA	NA
16-2659	RE16-98-3051	Unfiltered	6/25/98	WGA	Canon de Valle	7292.95	NA	NA		NA	NA	NA	NA

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Canon de Valle Seep and Alluvium Well Water Samples:

Water Quality Parameters

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Solids, Total Dissolved (mg/L)	Solids, Total Suspended (mg/L)		Strontium (mg/L)	Sulfate (mg/L)	Turbidity (NTU)	Uranium (mg/L)	
NM Ground Water Standard[c]							n.s.	n.s.		n.s.	600	n.s.	5	
Alluvial Well 16-2656														
16-2656	0316-97-0477	Filtered	12/19/97	WGA	Canon de Valle	NA	NA	NA		NA	11	NA	NA	
16-2656	0316-97-0483	Unfiltered	12/19/97	WGA	Canon de Valle	NA	NA	NA		NA	19	NA	NA	
16-2656	RE16-98-3002	Filtered	3/23/98	WGA	Canon de Valle	7437.88	150	20	U	0.136	10	NA	0.126	U
16-2656	RE16-98-3003	Unfiltered	3/23/98	WGA	Canon de Valle	7437.88	190	1100		0.168	10	NA	0.126	U
16-2656	RE16-98-3030	Filtered	6/23/98	WGA	Canon de Valle	7437.18	170	20		0.141	10	NA	0.126	U
16-2656	RE16-98-3031	Unfiltered	6/23/98	WGA	Canon de Valle	7437.18	200	570		0.182	10	NA	0.126	U
Alluvial Well 16-2657														
16-2657	RE16-98-3004	Filtered	3/24/98	WGA	Canon de Valle	7430.35	NA	NA		0.121	14	NA	0.126	U
16-2657	RE16-98-3005	Unfiltered	3/24/98	WGA	Canon de Valle	7430.35	NA	NA		0.178	13	NA	0.126	U
Alluvial Well 16-2658														
16-2658	0316-97-0479	Filtered	12/22/97	WGA	Canon de Valle	NA	NA	NA		NA	8	NA	NA	
16-2658	0316-97-0485	Unfiltered	12/22/97	WGA	Canon de Valle	NA	NA	NA		NA	10	NA	NA	
16-2658	RE16-98-3006	Filtered	3/24/98	WGA	Canon de Valle	7370.1	NA	NA		0.165	4	NA	0.126	U
16-2658	RE16-98-3007	Unfiltered	3/24/98	WGA	Canon de Valle	7370.1	NA	NA		0.22	5	NA	0.126	U
16-2658	RE16-98-3034	Filtered	6/19/98	WGA	Canon de Valle	7369.98	NA	NA		0.157	NA	NA	0.126	
16-2658	RE16-98-3035	Unfiltered	6/19/98	WGA	Canon de Valle	7369.98	NA	NA		0.199	NA	NA	0.126	
16-2658	RE16-98-3048	Filtered	6/25/98	WGA	Canon de Valle	7369.98	140	20	U	NA	4.1	NA	NA	
16-2658	RE16-98-3049	Unfiltered	6/25/98	WGA	Canon de Valle	7369.98	160	270		NA	4.1	NA	NA	
Alluvial Well 16-2659														
16-2659	0316-97-0480	Filtered	12/22/97	WGA	Canon de Valle	NA	NA	NA		NA	10	NA	NA	
16-2659	0316-97-0486	Unfiltered	12/22/97	WGA	Canon de Valle	NA	NA	NA		NA	13	NA	NA	
16-2659	RE16-98-3008	Filtered	3/25/98	WGA	Canon de Valle	7293.35	NA	NA		0.136	8	NA	0.126	U
16-2659	RE16-98-3009	Unfiltered	3/25/98	WGA	Canon de Valle	7293.35	NA	NA		0.157	8	NA	0.126	U
16-2659	RE16-98-3036	Filtered	6/19/98	WGA	Canon de Valle	7292.95	NA	NA		0.127	NA	NA	0.126	
16-2659	RE16-98-3037	Unfiltered	6/19/98	WGA	Canon de Valle	7292.95	NA	NA		0.154	NA	NA	0.126	
16-2659	RE16-98-3050	Filtered	6/25/98	WGA	Canon de Valle	7292.95	140	20	U	NA	6.7	NA	NA	
16-2659	RE16-98-3051	Unfiltered	6/25/98	WGA	Canon de Valle	7292.95	180	330		NA	6.7	NA	NA	

NOTES:

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(d) n.s. = no standard

(e) NM = not measured

(f) NA = not analyzed

UMHOS = Micromhos
SU = Standard unit
NTU = Nephelometric Turbidity Unit

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.
J = The reported value is an estimated quantity.

TABLE CDV-260-10

Canon de Valle Seep and Alluvium Well Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Acetone (mg/L)		Amino-2,6-dinitrotoluene[4-] (mg/L)		Amino-4,6-dinitrotoluene[2-] (mg/L)		Dichloroethane [1,2-] (mg/L)		Dichloroethene [cis-1,2-] (mg/L)	
NM Ground Water Standard(c)							n.s.(d)		n.s.		n.s.		0.01		n.s.	
Peter Seep																
16-2653	0316-97-3024	Filtered	6/27/97	WGS	Canon de Valle	NM[e]	NA[f]		0.000534		0.000211		NA		NA	
16-2653	0316-97-3025	Unfiltered	6/27/97	WGS	Canon de Valle	NM	0.022	U	0.000559		0.000196		0.004	U	0.005	U
16-2653	0316-97-3106	Unfiltered	9/19/97	WGS	Canon de Valle	NM	0.031		0.00075		0.00028		0.005	U	0.01	U
16-2653	0316-97-3107	Filtered	9/19/97	WGS	Canon de Valle	NM	NA		0.00075		0.0003		NA		NA	
16-2653	RE16-98-3018	Filtered	3/30/98	WGS	Canon de Valle	NM	0.025		0.000062		0.000085		0.005	U	0.01	U
16-2653	RE16-98-3019	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.022		0.000246		0.00011		0.005	U	0.01	U
16-2653	RE16-98-3044	Filtered	6/23/98	WGS	Canon de Valle	NM	NA		NA		NA		NA		NA	
16-2653	RE16-98-3045	Unfiltered	6/23/98	WGS	Canon de Valle	NM	0.02	U	0.00039	U	NA		0.005	U	0.005	U
Fishladder Seep																
16-2654	0316-97-3102	Unfiltered	9/19/97	WGS	Canon de Valle	NM	0.04		0.00025	U	0.00025	U	0.005	U	0.019	
16-2654	0316-97-3103	Filtered	9/19/97	WGS	Canon de Valle	NM	NA		0.00025	U	0.00025	U	NA		NA	
16-2654	RE16-98-3020	Filtered	3/30/98	WGS	Canon de Valle	NM	0.025		0.00005	U	0.000049	U	0.005	U	0.009	
16-2654	RE16-98-3021	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.027		0.00005	U	0.000049	U	0.005	U	0.009	
Alluvial Well 16-2655																
16-2655	0316-97-0476	Filtered	12/19/97	WGA	Canon de Valle	NM	0.041		0.00039	U	NA		0.005	U	0.01	U
16-2655	0316-97-0482	Unfiltered	12/22/97	WGA	Canon de Valle	NM	0.02	U	0.00039	U	NA		0.005	U	0.01	U
16-2655	RE16-98-3000	Filtered	3/23/98	WGA	Canon de Valle	7576.17	0.028	PM	0.00005	U	0.000049	U	0.005	PM	0.01	PM
16-2655	RE16-98-3001	Unfiltered	3/23/98	WGA	Canon de Valle	7576.17	0.03	PM	0.00005	U	0.000049	U	0.005	PM	0.01	PM
Alluvial Well 16-2656																
16-2656	0316-97-0477	Filtered	12/19/97	WGA	Canon de Valle	NA	0.02	U	0.00039	U	NA		0.005	U	0.01	U
16-2656	0316-97-0483	Unfiltered	12/19/97	WGA	Canon de Valle	NA	0.02	U	0.00039	U	NA		0.005	U	0.01	U
16-2656	RE16-98-3002	Filtered	3/23/98	WGA	Canon de Valle	7437.88	0.031	PM	0.000138		0.000086		0.005	PM	0.01	PM
16-2656	RE16-98-3003	Unfiltered	3/23/98	WGA	Canon de Valle	7437.88	0.027		0.00016		0.000049	U	0.005	U	0.01	U
16-2656	RE16-98-3030	Filtered	6/23/98	WGA	Canon de Valle	7437.18	NA		NA		NA		NA		NA	
16-2656	RE16-98-3031	Unfiltered	6/23/98	WGA	Canon de Valle	7437.18	0.02	U	NA		NA		0.005	U	0.005	U

NOTES:

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TABLE CDV-260-10

Canon de Valle Seep and Alluvium Well Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Dinitrotoluene [2,4-] (mg/L)		Dinitrotoluene [2,6-] (mg/L)		HMX (mg/L)		RDX (mg/L)		Tetrachloroethene (mg/L)	
NM Ground Water Standard(c)							n.s.		n.s.		n.s.		n.s.		0.02	
Peter Seep																
16-2653	0316-97-3024	Filtered	6/27/97	WGS	Canon de Valle	NM[e]	0.000036	U	0.000048	U	0.000754		0.0054		NA	
16-2653	0316-97-3025	Unfiltered	6/27/97	WGS	Canon de Valle	NM	0.000036	U	0.000048	U	0.000825		0.00464		0.005	U
16-2653	0316-97-3106	Unfiltered	9/19/97	WGS	Canon de Valle	NM	0.00025	U	0.00025	U	0.0018		0.0098		0.005	U
16-2653	0316-97-3107	Filtered	9/19/97	WGS	Canon de Valle	NM	0.00025	U	0.00025	U	0.0018		0.0095		NA	
16-2653	RE16-98-3018	Filtered	3/30/98	WGS	Canon de Valle	NM	0.000034	U	0.000042	U	0.000514		0.00314		0.005	U
16-2653	RE16-98-3019	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.000034	U	0.000042	U	0.00057		0.00392		0.005	U
16-2653	RE16-98-3044	Filtered	6/23/98	WGS	Canon de Valle	NM	0.0002	U	0.0002	U	0.0031		0.0043		NA	
16-2653	RE16-98-3045	Unfiltered	6/23/98	WGS	Canon de Valle	NM	0.0002	U	0.0002	U	0.0017	U	0.00087	U	0.005	U
Fishladder Seep																
16-2654	0316-97-3102	Unfiltered	9/19/97	WGS	Canon de Valle	NM	0.00025	U	0.00025	U	0.001	U	0.00084	U	0.005	U
16-2654	0316-97-3103	Filtered	9/19/97	WGS	Canon de Valle	NM	0.00025	U	0.00025	U	0.001	U	0.00084	U	NA	
16-2654	RE16-98-3020	Filtered	3/30/98	WGS	Canon de Valle	NM	0.000034	U	0.000042	U	0.00342		0.0054		0.01	
16-2654	RE16-98-3021	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.000034	U	0.000042	U	0.00416		0.00591		0.012	
Alluvial Well 16-2655																
16-2655	0316-97-0476	Filtered	12/19/97	WGA	Canon de Valle	NM	0.0002	U	0.0002	U	0.0017	U	0.00087	U	0.005	U
16-2655	0316-97-0482	Unfiltered	12/22/97	WGA	Canon de Valle	NM	0.0002	U	0.0002	U	0.0017	U	0.00087	U	0.005	U
16-2655	RE16-98-3000	Filtered	3/23/98	WGA	Canon de Valle	7576.17	0.000034	U	0.000042	U	0.000096	U	0.000096	U	0.005	PM
16-2655	RE16-98-3001	Unfiltered	3/23/98	WGA	Canon de Valle	7576.17	0.000034	U	0.000042	U	0.000096	U	0.000096	U	0.005	PM
Alluvial Well 16-2656																
16-2656	0316-97-0477	Filtered	12/19/97	WGA	Canon de Valle	NA	0.0002	U	0.0002	U	0.0017	U	0.0028		0.005	U
16-2656	0316-97-0483	Unfiltered	12/19/97	WGA	Canon de Valle	NA	0.0002	U	0.0002	U	0.0017	U	0.0016		0.005	U
16-2656	RE16-98-3002	Filtered	3/23/98	WGA	Canon de Valle	7437.88	0.000034	U	0.000042	U	0.00126		0.0118		0.005	PM
16-2656	RE16-98-3003	Unfiltered	3/23/98	WGA	Canon de Valle	7437.88	0.000034	U	0.000042	U	0.00125		0.0112		0.005	U
16-2656	RE16-98-3030	Filtered	6/23/98	WGA	Canon de Valle	7437.18	0.0002	U	0.0002	U	0.0017	J	0.003		NA	
16-2656	RE16-98-3031	Unfiltered	6/23/98	WGA	Canon de Valle	7437.18	0.0002	U	0.0002	U	0.0017	U	0.00087	U	0.005	U

NOTES:

(a) All seep water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. All alluvial well water samples are grab samples collected using a bailer. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

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TABLE CDV-260-10

Canon de Valle Seep and Alluvium Well Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Toluene (mg/L)		Trichloroethene (mg/L)		Trinitrobenzene[1,3,5-] (mg/L)		Trinitrotoluene [2,4,6-] (mg/L)	
NM Ground Water Standard(c)							0.75		0.1		n.s.		n.s.	
Peter Seep														
16-2653	0316-97-3024	Filtered	6/27/97	WGS	Canon de Valle	NM[e]	NA		NA		0.000048	U	0.000051	
16-2653	0316-97-3025	Unfiltered	6/27/97	WGS	Canon de Valle	NM	0.005	U	0.003	U	0.000048	U	0.00005	U
16-2653	0316-97-3106	Unfiltered	9/19/97	WGS	Canon de Valle	NM	0.005	U	0.005	U	0.00026	U	0.0009	
16-2653	0316-97-3107	Filtered	9/19/97	WGS	Canon de Valle	NM	NA		NA		0.00026	U	0.0013	
16-2653	RE16-98-3018	Filtered	3/30/98	WGS	Canon de Valle	NM	0.005	U	0.005	U	0.00005	U	0.00105	
16-2653	RE16-98-3019	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.005	U	0.005	U	0.00005	U	0.000498	
16-2653	RE16-98-3044	Filtered	6/23/98	WGS	Canon de Valle	NM	NA		NA		0.0002	U	0.0002	U
16-2653	RE16-98-3045	Unfiltered	6/23/98	WGS	Canon de Valle	NM	0.005	U	0.005	U	0.0002	U	0.0002	U
Fishladder Seep														
16-2654	0316-97-3102	Unfiltered	9/19/97	WGS	Canon de Valle	NM	0.005	U	0.005	U	0.00026	U	0.00025	U
16-2654	0316-97-3103	Filtered	9/19/97	WGS	Canon de Valle	NM	NA		NA		0.00026	U	0.00025	U
16-2654	RE16-98-3020	Filtered	3/30/98	WGS	Canon de Valle	NM	0.005	U	0.005	U	0.00005	U	0.000048	U
16-2654	RE16-98-3021	Unfiltered	3/30/98	WGS	Canon de Valle	NM	0.005	U	0.005	U	0.00005	U	0.000048	U
Alluvial Well 16-2655														
16-2655	0316-97-0476	Filtered	12/19/97	WGA	Canon de Valle	NM	0.005	U	0.005	U	0.0002	U	0.0002	U
16-2655	0316-97-0482	Unfiltered	12/22/97	WGA	Canon de Valle	NM	0.005	U	0.005	U	0.0002	U	0.0002	U
16-2655	RE16-98-3000	Filtered	3/23/98	WGA	Canon de Valle	7576.17	0.005	PM	0.005	PM	0.00005	U	0.000048	U
16-2655	RE16-98-3001	Unfiltered	3/23/98	WGA	Canon de Valle	7576.17	0.005	PM	0.005	PM	0.00005	U	0.000048	U
Alluvial Well 16-2656														
16-2656	0316-97-0477	Filtered	12/19/97	WGA	Canon de Valle	NA	0.005	U	0.005	U	0.0002	U	0.0002	U
16-2656	0316-97-0483	Unfiltered	12/19/97	WGA	Canon de Valle	NA	0.005	U	0.005	U	0.0002	U	0.0002	U
16-2656	RE16-98-3002	Filtered	3/23/98	WGA	Canon de Valle	7437.88	0.005	PM	0.005	PM	0.00005	U	0.000048	U
16-2656	RE16-98-3003	Unfiltered	3/23/98	WGA	Canon de Valle	7437.88	0.005	U	0.005	U	0.00005	U	0.000048	U
16-2656	RE16-98-3030	Filtered	6/23/98	WGA	Canon de Valle	7437.18	NA		NA		0.0002	U	0.0002	U
16-2656	RE16-98-3031	Unfiltered	6/23/98	WGA	Canon de Valle	7437.18	0.005	U	0.005	U	0.0002	U	0.0002	U

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TABLE CDV-260-10

Canon de Valle Seep and Alluvium Well Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Acetone (mg/L)		Amino-2,6-dinitrotoluene[4-] (mg/L)		Amino-4,6-dinitrotoluene[2-] (mg/L)		Dichloroethane [1,2-] (mg/L)		Dichloroethene [cis-1,2-] (mg/L)	
NM Ground Water Standard(c)							n.s.(d)		n.s.		n.s.		0.01		n.s.	
Alluvial Well 16-2657																
16-2657	RE16-98-3004	Filtered	3/24/98	WGA	Canon de Valle	7430.35	0.028	PM	0.00005	U	0.000049	U	0.005	PM	0.01	PM
16-2657	RE16-98-3005	Unfiltered	3/24/98	WGA	Canon de Valle	7430.35	0.03	PM	0.00149		0.000049	U	0.005	PM	0.01	PM
16-2657	RE16-98-3033	Unfiltered	6/26/98	WGA	Canon de Valle	NA	NA		0.00025	U	0.00025	U	NA		NA	
Alluvial Well 16-2658																
16-2658	0316-97-0479	Filtered	12/22/97	WGA	Canon de Valle	NA	0.02	U	0.00025	U	0.00025	U	0.005	U	0.01	U
16-2658	0316-97-0485	Unfiltered	12/22/97	WGA	Canon de Valle	NA	0.02	U	0.00025	U	0.00025	U	0.005	U	0.01	U
16-2658	RE16-98-3006	Filtered	3/24/98	WGA	Canon de Valle	7370.1	0.037	PM	0.00005	U	0.000049	U	0.005	PM	0.01	PM
16-2658	RE16-98-3007	Unfiltered	3/24/98	WGA	Canon de Valle	7370.1	0.03	PM	0.00005	U	0.000049	U	0.005	PM	0.01	PM
16-2658	RE16-98-3035	Unfiltered	6/19/98	WGA	Canon de Valle	7369.98	0.042	PM	NA		NA		0.005	PM	0.01	PM
16-2658	RE16-98-3048	Filtered	6/25/98	WGA	Canon de Valle	7369.98	NA		0.00039	U	NA		NA		NA	
16-2658	RE16-98-3049	Unfiltered	6/25/98	WGA	Canon de Valle	7369.98	NA		0.00039	U	NA		NA		NA	
Alluvial Well 16-2659																
16-2659	0316-97-0480	Filtered	12/22/97	WGA	Canon de Valle	NA	0.028	U	0.0036		0.0032		0.005	U	0.01	U
16-2659	0316-97-0486	Unfiltered	12/22/97	WGA	Canon de Valle	NA	0.027	U	0.0049		0.0049		0.005	U	0.01	U
16-2659	RE16-98-3008	Filtered	3/25/98	WGA	Canon de Valle	7293.35	0.027	PM	0.00348		0.00334		0.005	PM	0.01	PM
16-2659	RE16-98-3009	Unfiltered	3/25/98	WGA	Canon de Valle	7293.35	0.029	PM	0.00353		0.00335		0.005	PM	0.01	PM
16-2659	RE16-98-3037	Unfiltered	6/19/98	WGA	Canon de Valle	7292.95	0.041	PM	NA		NA		0.005	PM	0.01	PM
16-2659	RE16-98-3050	Filtered	6/25/98	WGA	Canon de Valle	7292.95	NA		0.0075		NA		NA		NA	
16-2659	RE16-98-3051	Unfiltered	6/25/98	WGA	Canon de Valle	7292.95	NA		0.0064		NA		NA		NA	

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TABLE CDV-260-10

Canon de Valle Seep and Alluvium Well Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Dinitrotoluene [2,4-] (mg/L)		Dinitrotoluene [2,6-] (mg/L)		HMX (mg/L)	RDX (mg/L)		Tetrachloroethene (mg/L)	
NM Ground Water Standard(c)							n.s.		n.s.		n.s.	n.s.		0.02	
Alluvial Well 16-2657															
16-2657	RE16-98-3004	Filtered	3/24/98	WGA	Canon de Valle	7430.35	0.000034	U	0.000042	U	0.192	0.0111		0.005	PM
16-2657	RE16-98-3005	Unfiltered	3/24/98	WGA	Canon de Valle	7430.35	0.000034	U	0.000042	U	0.373	0.0166		0.005	PM
16-2657	RE16-98-3033	Unfiltered	6/26/98	WGA	Canon de Valle	NA	0.00025	U	0.00025	U	0.0086	0.00084	U	NA	
Alluvial Well 16-2658															
16-2658	0316-97-0479	Filtered	12/22/97	WGA	Canon de Valle	NA	0.00025	U	0.00025	U	0.0053	0.00084	U	0.005	U
16-2658	0316-97-0485	Unfiltered	12/22/97	WGA	Canon de Valle	NA	0.00025	U	0.00025	U	0.0024	0.00084	U	0.005	U
16-2658	RE16-98-3006	Filtered	3/24/98	WGA	Canon de Valle	7370.1	0.000034	U	0.000042	U	0.0213	0.0042		0.005	PM
16-2658	RE16-98-3007	Unfiltered	3/24/98	WGA	Canon de Valle	7370.1	0.000034	U	0.000042	U	0.0239	0.00411		0.005	PM
16-2658	RE16-98-3035	Unfiltered	6/19/98	WGA	Canon de Valle	7369.98	NA		NA		NA	NA		0.005	PM
16-2658	RE16-98-3048	Filtered	6/25/98	WGA	Canon de Valle	7369.98	0.0002	U	0.0002	U	0.0034	0.00087	U	NA	
16-2658	RE16-98-3049	Unfiltered	6/25/98	WGA	Canon de Valle	7369.98	0.0002	U	0.0002	U	0.0034	0.00087	U	NA	
Alluvial Well 16-2659															
16-2659	0316-97-0480	Filtered	12/22/97	WGA	Canon de Valle	NA	0.0013	U	0.0013	U	0.021	0.042		0.005	U
16-2659	0316-97-0486	Unfiltered	12/22/97	WGA	Canon de Valle	NA	0.0013	U	0.0013	U	0.019	0.048		0.005	U
16-2659	RE16-98-3008	Filtered	3/25/98	WGA	Canon de Valle	7293.35	0.000034	U	0.000042	U	0.0403	0.0974		0.005	PM
16-2659	RE16-98-3009	Unfiltered	3/25/98	WGA	Canon de Valle	7293.35	0.000034	U	0.000042	U	0.0383	0.0937		0.005	PM
16-2659	RE16-98-3037	Unfiltered	6/19/98	WGA	Canon de Valle	7292.95	NA		NA		NA	NA		0.005	PM
16-2659	RE16-98-3050	Filtered	6/25/98	WGA	Canon de Valle	7292.95	0.0002	U	0.0002	U	0.017	0.022		NA	
16-2659	RE16-98-3051	Unfiltered	6/25/98	WGA	Canon de Valle	7292.95	0.0002	U	0.0002	U	0.014	0.018		NA	

NOTES:

(a) All seep water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. All alluvial well water samples are grab samples collected using a bailer. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, Spring, WGA = Groundwater, Alluvial Well

(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(d) n.s. = no standard

(e) NA = not analyzed

WGS = Groundwater, Spring
WGA = Groundwater, Alluvial Well
NA = Not analyzed
NM = Not Measured

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the quantitation limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated quantitation limit.

J = The reported value is an estimated quantity.

J- = The analyte was positively identified, and the result is likely biased low.

PM = Manual inspection of the data is required. Final data use must be considered prior to qualification of the data.

TABLE CDV-260-10

Canon de Valle Seep and Alluvium Well Water Samples:

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Water Table Elevation (ft)	Toluene (mg/L)		Trichloroethene (mg/L)		Trinitrobenzene[1,3,5-] (mg/L)		Trinitrotoluene [2,4,6-] (mg/L)	
NM Ground Water Standard(c)							0.75		0.1		n.s.		n.s.	
Alluvial Well 16-2657														
16-2657	RE16-98-3004	Filtered	3/24/98	WGA	Canon de Valle	7430.35	0.005	PM	0.005	PM	0.00005	U	0.000048	U
16-2657	RE16-98-3005	Unfiltered	3/24/98	WGA	Canon de Valle	7430.35	0.005	PM	0.005	PM	0.00005	U	0.0087	
16-2657	RE16-98-3033	Unfiltered	6/26/98	WGA	Canon de Valle	NA	NA		NA		0.00026	U	0.00025	U
Alluvial Well 16-2658														
16-2658	0316-97-0479	Filtered	12/22/97	WGA	Canon de Valle	NA	0.005	U	0.005	U	0.00026	U	0.00025	U
16-2658	0316-97-0485	Unfiltered	12/22/97	WGA	Canon de Valle	NA	0.005	U	0.005	U	0.00026	U	0.00025	U
16-2658	RE16-98-3006	Filtered	3/24/98	WGA	Canon de Valle	7370.1	0.005	PM	0.005	PM	0.00005	U	0.000048	U
16-2658	RE16-98-3007	Unfiltered	3/24/98	WGA	Canon de Valle	7370.1	0.005	PM	0.005	PM	0.00005	U	0.000048	U
16-2658	RE16-98-3035	Unfiltered	6/19/98	WGA	Canon de Valle	7369.98	0.0067	PM	0.005	PM	NA		NA	
16-2658	RE16-98-3048	Filtered	6/25/98	WGA	Canon de Valle	7369.98	NA		NA		0.0002	U	0.0002	U
16-2658	RE16-98-3049	Unfiltered	6/25/98	WGA	Canon de Valle	7369.98	NA		NA		0.0002	U	0.0002	U
Alluvial Well 16-2659														
16-2659	0316-97-0480	Filtered	12/22/97	WGA	Canon de Valle	NA	0.005	U	0.005	U	0.0013	U	0.0013	U
16-2659	0316-97-0486	Unfiltered	12/22/97	WGA	Canon de Valle	NA	0.005	U	0.005	U	0.0013	U	0.02	
16-2659	RE16-98-3008	Filtered	3/25/98	WGA	Canon de Valle	7293.35	0.005	PM	0.005	PM	0.00005	U	0.000048	U
16-2659	RE16-98-3009	Unfiltered	3/25/98	WGA	Canon de Valle	7293.35	0.005	PM	0.005	PM	0.00005	U	0.000048	U
16-2659	RE16-98-3037	Unfiltered	6/19/98	WGA	Canon de Valle	7292.95	0.005	PM	0.005	PM	NA		NA	
16-2659	RE16-98-3050	Filtered	6/25/98	WGA	Canon de Valle	7292.95	NA		NA		0.0002	U	0.0002	U
16-2659	RE16-98-3051	Unfiltered	6/25/98	WGA	Canon de Valle	7292.95	NA		NA		0.0002	U	0.0002	U

NOTES:

(a) All seep water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. All alluvial well water samples are grab samples collected using a bailer. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGS = Groundwater, Spring, WGA = Groundwater, Alluvial Well

(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(d) n.s. = no standard

(e) NA = not analyzed

WGS = Groundwater, Spring
WGA = Groundwater, Alluvial Well
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Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the quantitation limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated quantitation limit.

J = The reported value is an estimated quantity.

J- = The analyte was positively identified, and the result is likely biased low.

PM = Manual inspection of the data is required. Final data use must be considered prior to qualification of the data.

Attachment I

Analytical Methods

TABLE 1

Cañon de Valle / TA-16-260 Outfall Water Data Set Analytical Methods

Analytical Suite	Method	Method Description
Organics		
Volatile organic compounds	SW-846 Method 8260	GC/MS[a]
Semivolatile organic compounds	SW-846 Method 8270	GC/MS
High explosives	SW-846 Method 8330	HPLC[b]
Inorganics		
Target analyte list (TAL) metals (excluding Sb, Se, Pb, Tl, and Hg)	SW-846 Methods 3005/3010/6010	ICPES[c]
Sb, Se, Pb, Tl	SW-846 7000-series methods	GFAA[d]
Hg	SW-846 Method 7470	CVAA[e]
CN	SW-846 Method 9010	Colorimetric
Uranium	SW-846 Methods 3052/6020	ICPMS[f]
Total Uranium	SW-846 Method 3052 / ASTM Method D5174-91	KPA[g]
Radionuclides		
Gamma-emitting isotopes	EPA Method 901.1	Gamma spectroscopy
Gross-alpha/-beta radiation	EPA Method 900	GFPC[h]
U-234, U-235, U-238	N/A[i]	Alpha spectrometry
Water Quality Parameters		
Alkalinity	EPA Method 310.2	Titrimetric
Bicarbonate, Carbonate	N/A	Titrimetric
Anions (major and minor)	EPA Method 300	IC[j]
Cations (minor)	SW-846 Methods 3005/3010/6010	ICPES
Conductivity	EPA Method 120.1	Conductance
pH	EPA Method 150.1	Potentiometry
Nitrate + Nitrite	EPA Method 353.2	Hydrazine reduction
Total Dissolved Solids	EPA Method 160.1	Gravimetric
Total Suspended Solids	EPA Method 160.2	Gravimetric
Turbidity	EPA Method 180.1	Nephelometric

a. GC/MS = gas chromatography/mass spectrometry
b. HPLC = high performance liquid chromatography
c. ICPES = inductively coupled plasma emission spectroscopy
d. GFAA = graphite furnace atomic absorption
e. CVAA = cold vapor atomic absorption
f. ICPMS = inductively coupled plasma mass spectrometry
g. KPA = kinetic phosphorescence analysis
h. GFPC = gas flow proportional counting
i. N/A = not applicable
j. IC = ion chromatography

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Attachment II

Maps

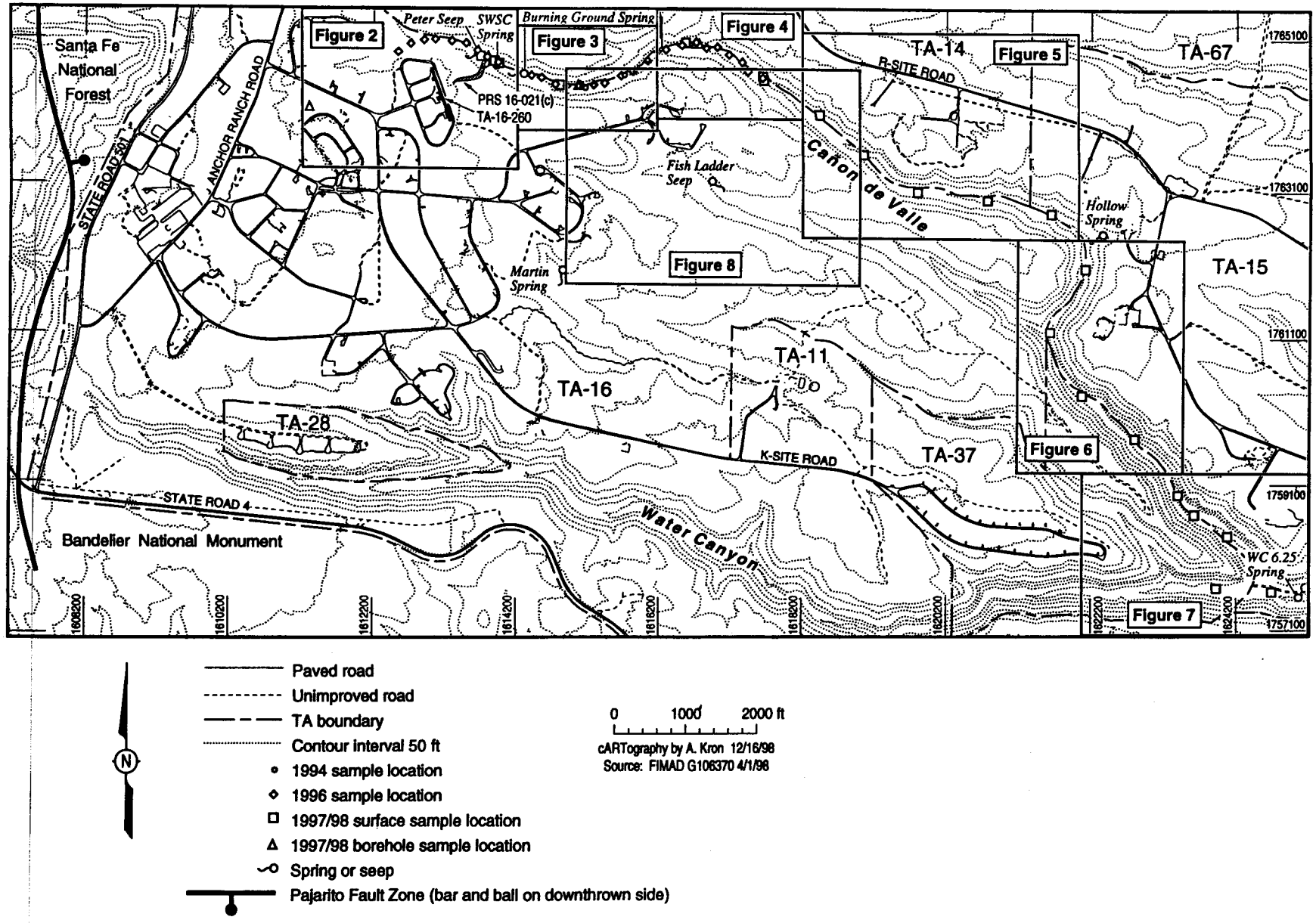

Figure 1. Index to Cañon de Valle and Water Canyon sample location maps.

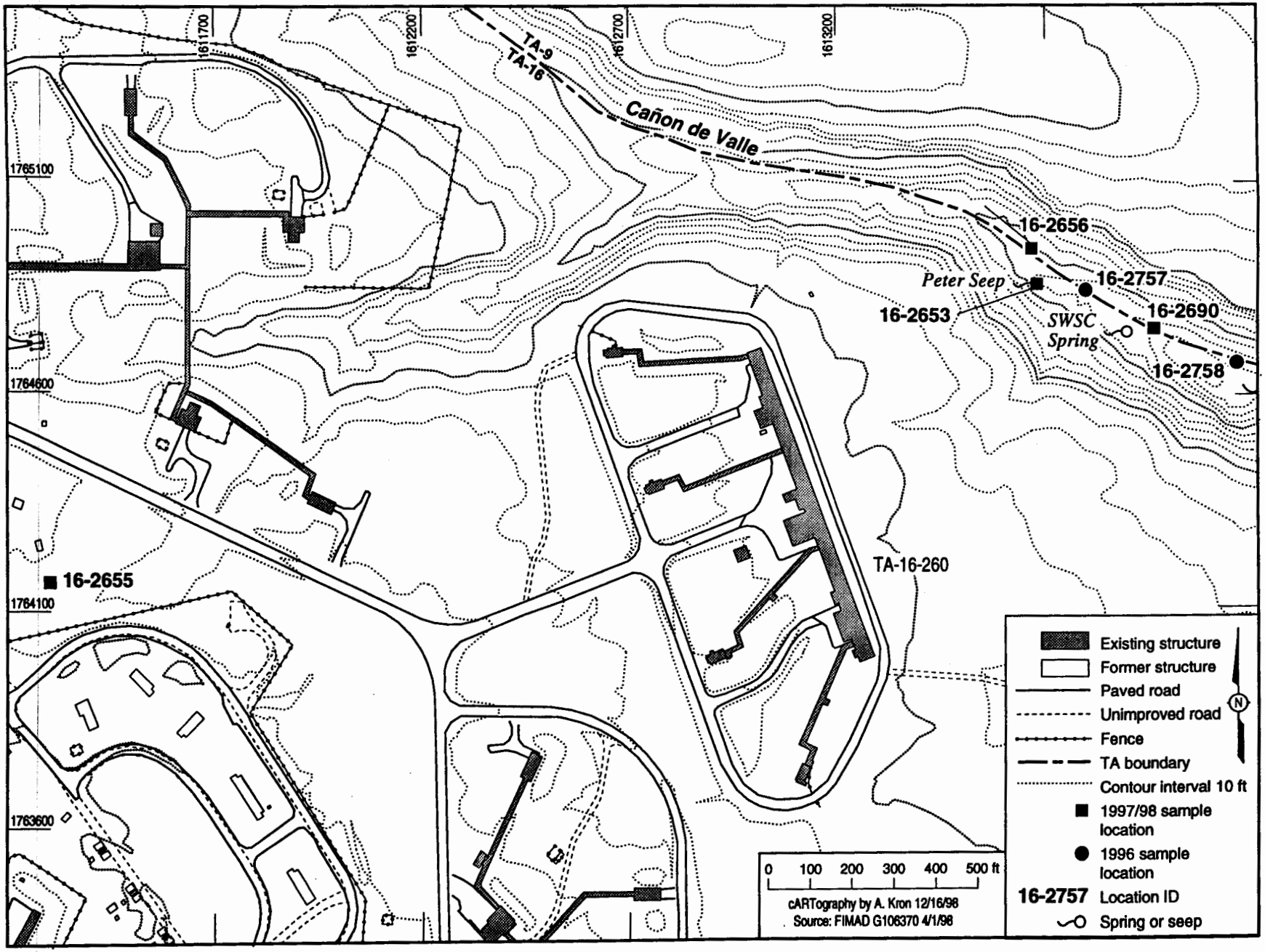

Figure 2. Cañon de Valle water sample locations.

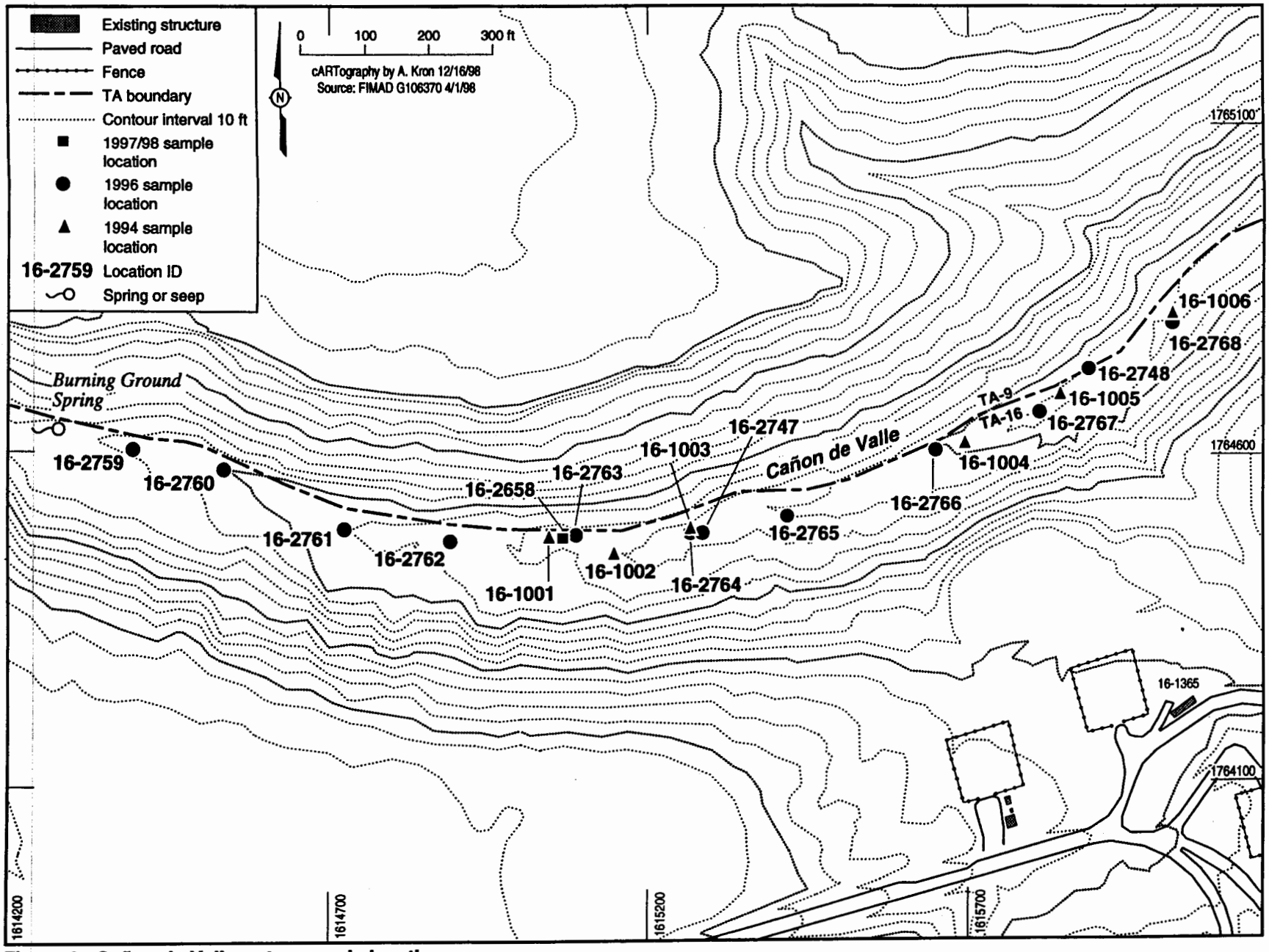

Figure 3. Cañon de Valle water sample locations.

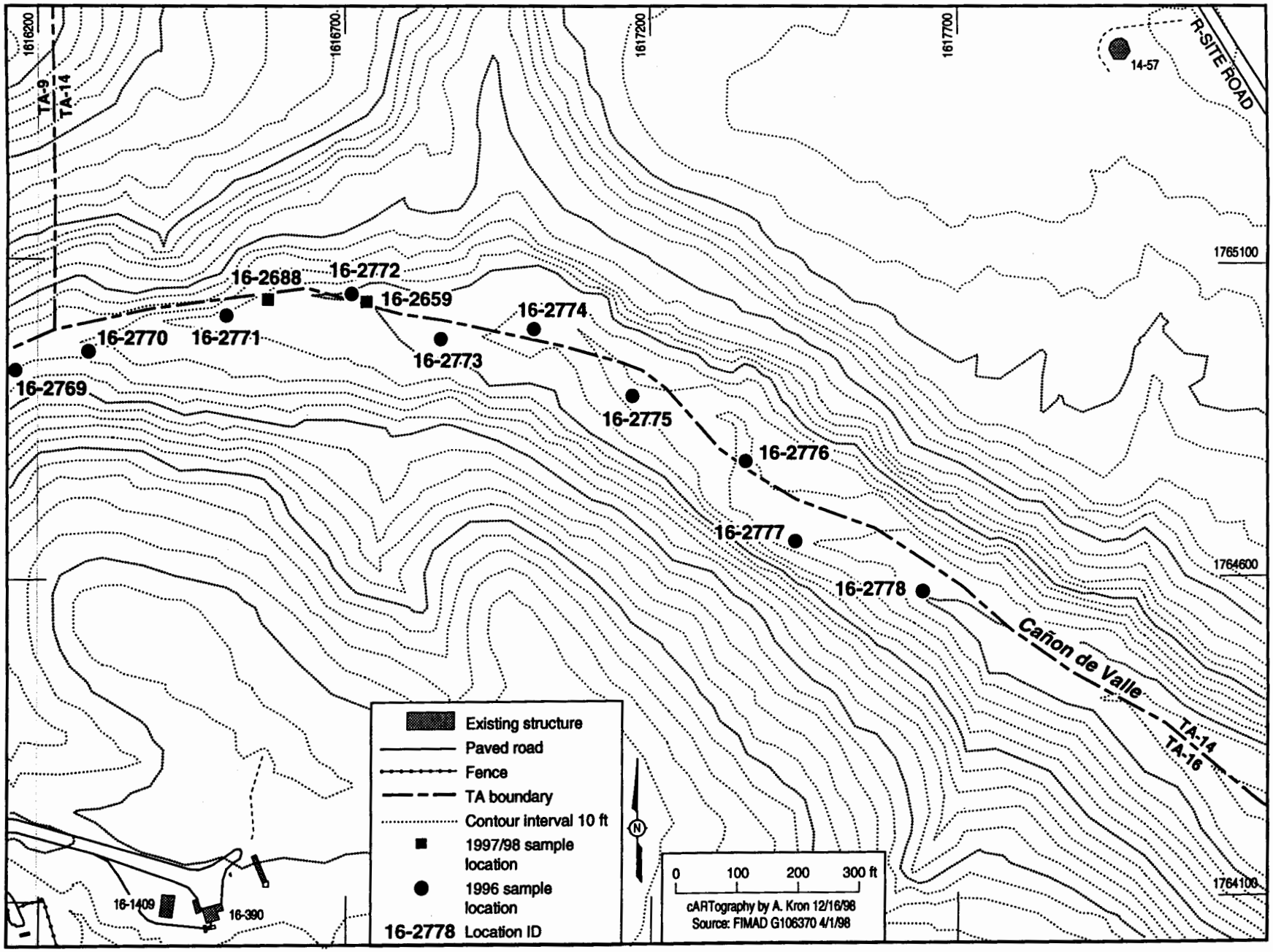

Figure 4. Cañon de Valle water sample locations.

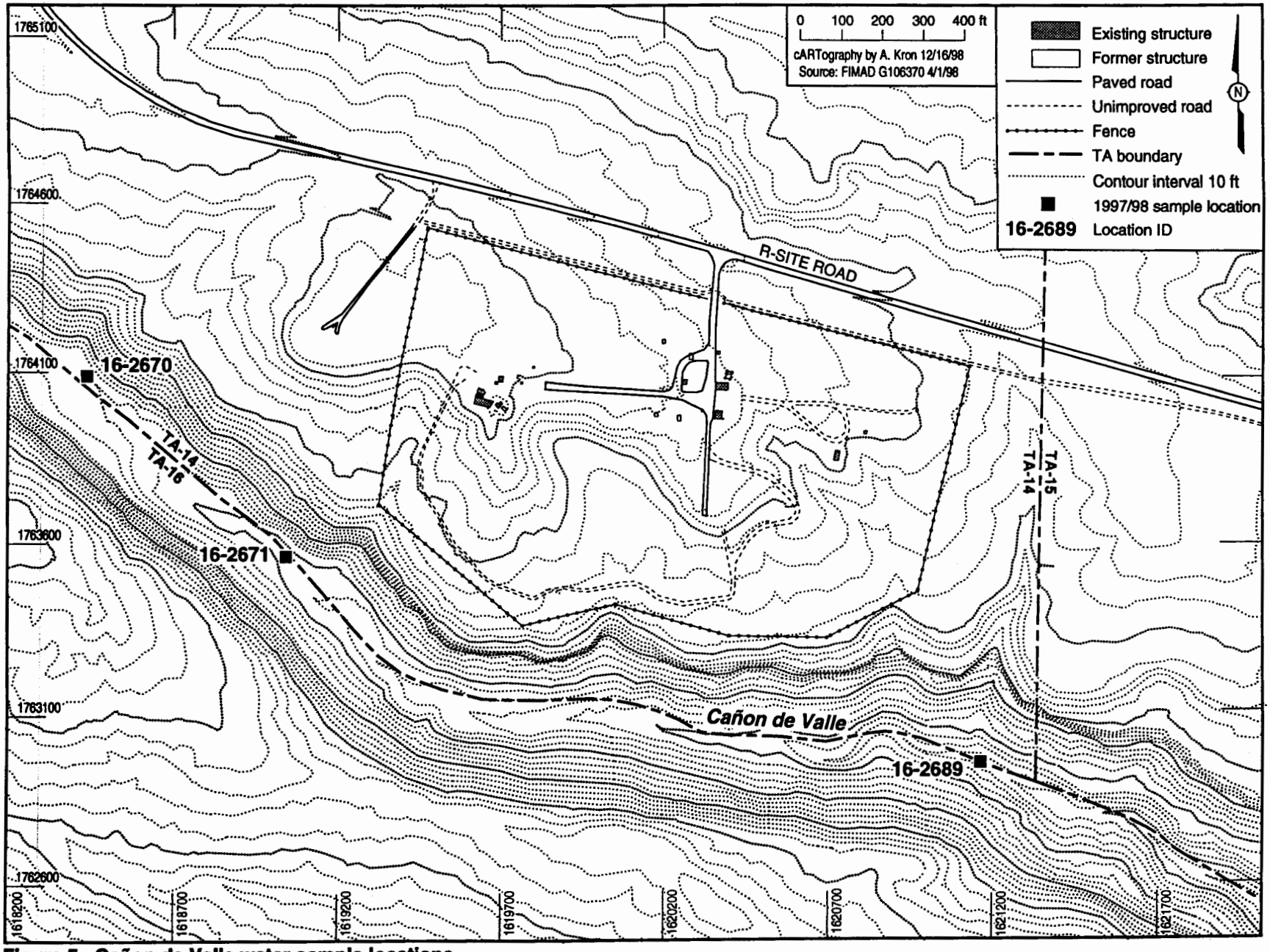

Figure 5. Cañon de Valle water sample locations.

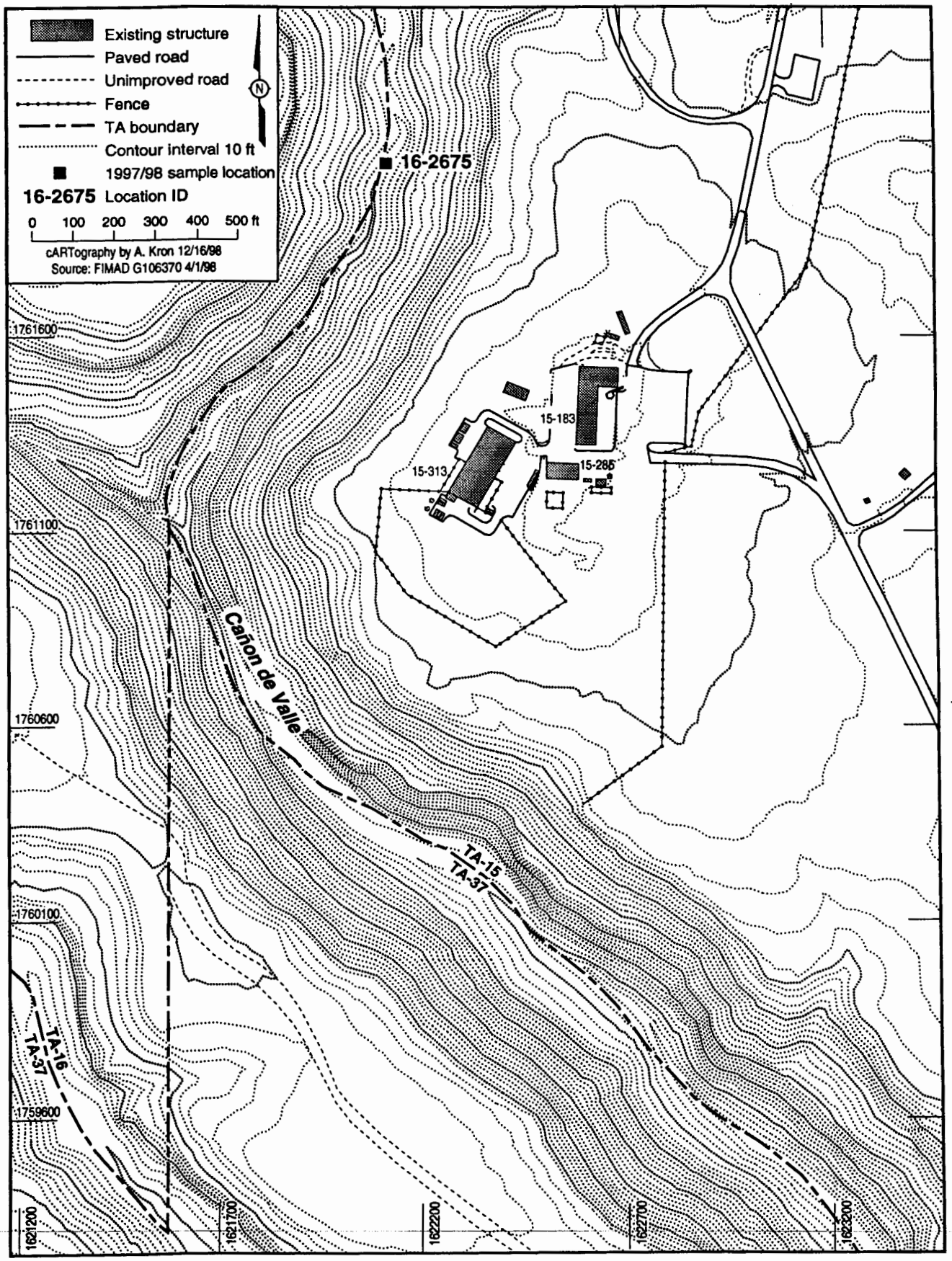

Figure 6. Cañon de Valle water sample locations.

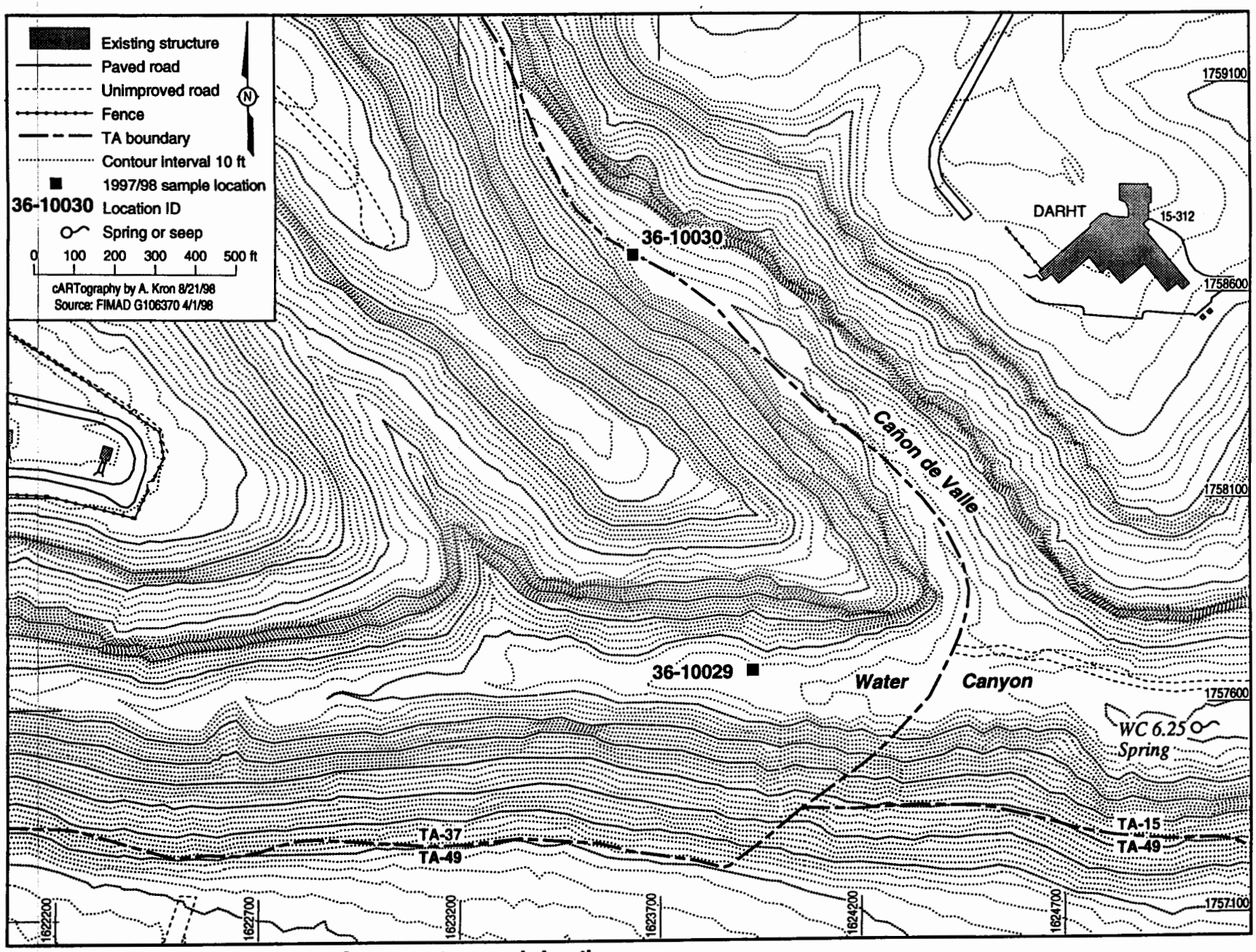

Figure 7. Cañon de Valle and Water Canyon water sample locations.

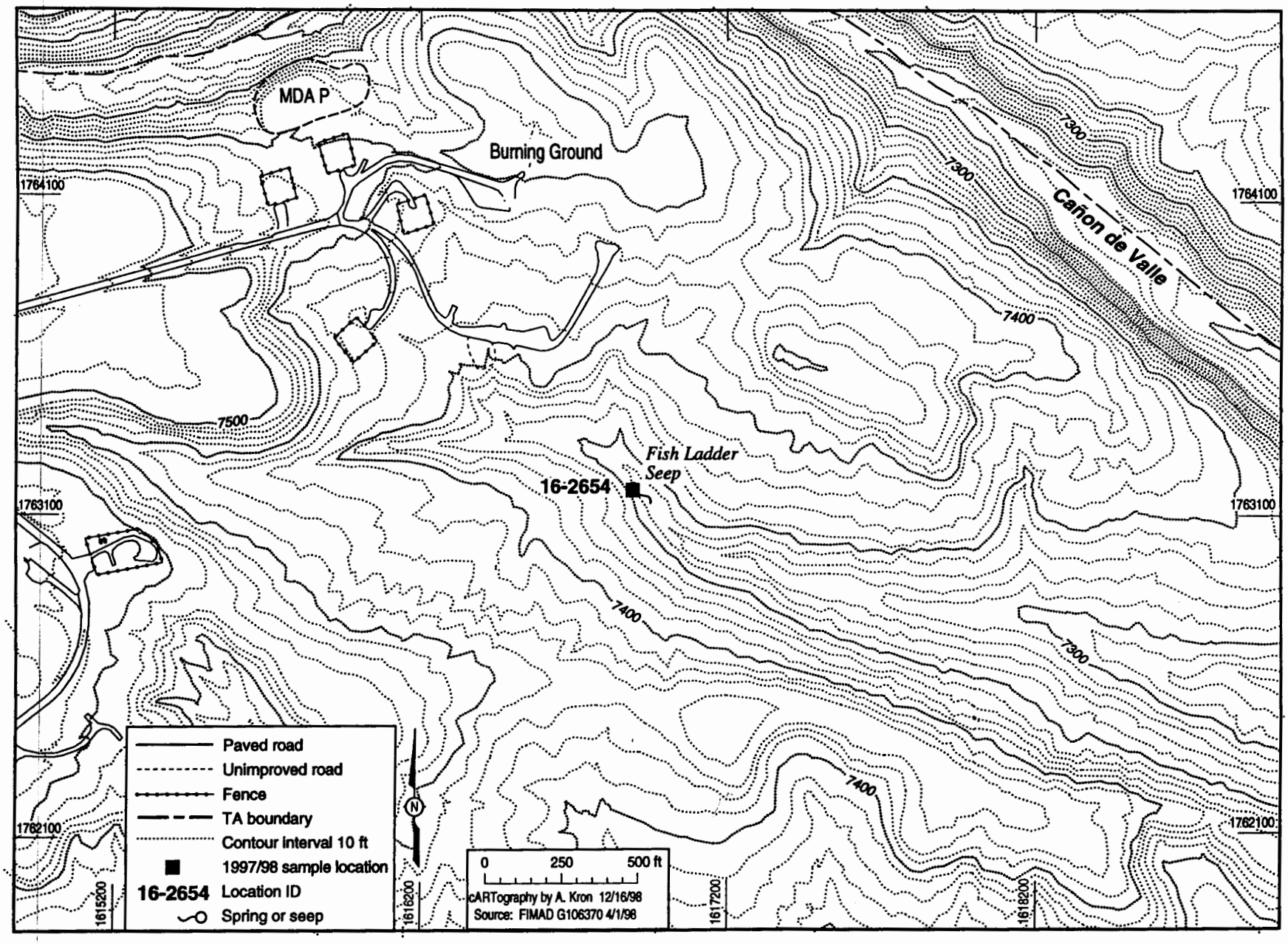

Figure 8. Cañon de Valle (Fish Ladder Seep) water sample locations

Los Alamos National Laboratory
Environmental Restoration Project

Pajarito Canyon and Two Mile Canyon Water Data Set

December 22, 1998

TABLE PC-1

Pajarito Canyon & Two Mile Canyon: Surface Water Samples

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code [b]	Watershed	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)
NM Livestock Watering Standard[c]						5	n.s.	0.2	n.s.	n.s.	0.05
NM Wildlife Habitat Standard[d]						n.s.[e]	n.s.	n.s.	n.s.	n.s.	n.s.
Storm Water Runoff Sampling - Tributary A											
06-1200	AAB7837	Unfiltered	8/2/94	Storm Water	Two Mile Canyon	21.3	0.021 U	0.004 U	0.191 U	0.0015 U	0.0025 U
06-1200	0506-95-1400	Unfiltered	7/25/95	Storm Water	Two Mile Canyon	7.28361	0.0019 U	0.0025	0.0994	0.00039	0.0001 U
Storm Water Runoff Sampling - Tributary B											
22-1202	AAB7838	Unfiltered	8/2/94	Storm Water	Two Mile Canyon	17.4	0.021 U	0.003 U	0.135 U	0.00076 U	0.0017 U
22-1202	0522-95-1401	Unfiltered	7/25/95	Storm Water	Two Mile Canyon	12.9	0.0019 U	0.0022 U	0.137	0.00075	0.0001 U
Surface Water Sampling Upper Pajarito Creek											
09-7561	AAB0744	Unfiltered	4/7/94	WSF	Pajarito Canyon	0.869	0.0212 U	0.002 U	0.0293 U	0.0002 U	0.0029 U
09-7561	AAB0745	Unfiltered	4/7/94	WSF	Pajarito Canyon	0.961	0.0212 U	0.002 U	0.0282 U	0.0002 U	0.0029 U
09-7561	AAB5553	Unfiltered	7/6/94	WSF	Pajarito Canyon	0.247	0.0353 U	0.0024 U	0.0195 U	0.0006 U	0.0019 U
09-7561	AAC0209	Unfiltered	10/6/94	WSF	Pajarito Canyon	0.218	0.021 U	0.0027 U	0.0258 U	0.00078 U	0.0017 U
Storm Water Runoff Sampling - MDA M											
09-7491	AAB6101	Unfiltered	6/21/94	Storm Water	Pajarito Canyon	227	0.0559 U	0.0086	1.93	0.0139	0.0293
09-7492	AAB6102	Unfiltered	6/21/94	Storm Water	Pajarito Canyon	317	0.0948	0.0067 U	2.74	0.0193	0.0402
09-7493	AAB5557	Unfiltered	7/25/94	Storm Water	Pajarito Canyon	39.238	0.0246	0.0035	0.41	0.0015	0.0046
Surface Water Sampling at TA-40											
40-7034	0540-95-1141	Unfiltered	6/27/95	WSF	Pajarito Canyon	1.39518	0.0019 U	0.0022 U	0.0469	0.00031 U	0.00089 U
40-7039	0540-95-1142	Unfiltered	6/27/95	WSF	Pajarito Canyon	0.934	0.0019 U	0.0038	0.0479	0.0004 U	0.0001 U

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling.
(b) WSF = Surface Water Flowing
(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

TABLE PC-1

Pajarito Canyon & Two Mile Canyon: Surface Water Samples

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code [b]	Watershed	Calcium (mg/L)	Chromium, Total (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
NM Livestock Watering Standard[c]						n.s.	1	1	0.5	n.s.	0.1
NM Wildlife Habitat Standard[d]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
Storm Water Runoff Sampling - Tributary A											
06-1200	AAB7837	Unfiltered	8/2/94	Storm Water	Two Mile Canyon	23.1	0.0086 U	0.0053 U	0.0055 U	16.2	0.0134
06-1200	0506-95-1400	Unfiltered	7/25/95	Storm Water	Two Mile Canyon	20.2	0.0036	0.00123	0.00383	5.78041	0.0019
Storm Water Runoff Sampling - Tributary B											
22-1202	AAB7838	Unfiltered	8/2/94	Storm Water	Two Mile Canyon	14	0.0094 U	0.0035 U	0.0264	9.13	0.0057
22-1202	0522-95-1401	Unfiltered	7/25/95	Storm Water	Two Mile Canyon	11	0.007	0.0027	0.0367	9.04	0.0064
Surface Water Sampling Upper Pajarito Creek											
09-7561	AAB0744	Unfiltered	4/7/94	WSF	Pajarito Canyon	7.58	0.007 U	0.0035 U	0.0016 U	0.342	0.002 U
09-7561	AAB0745	Unfiltered	4/7/94	WSF	Pajarito Canyon	7.73	0.0074 U	0.0035 U	0.0016 U	0.362	0.002 U
09-7561	AAB5553	Unfiltered	7/6/94	WSF	Pajarito Canyon	4.96 U	0.0044 U	0.0029 U	0.0016 U	0.12	0.0009 U
09-7561	AAC0209	Unfiltered	10/6/94	WSF	Pajarito Canyon	7.79	0.0055 U	0.0035 U	0.0055 U	0.0987	0.0011 U
Storm Water Runoff Sampling - MDA M											
09-7491	AAB6101	Unfiltered	6/21/94	Storm Water	Pajarito Canyon	28.7	0.111	0.0464 U	0.332	167	0.123
09-7492	AAB6102	Unfiltered	6/21/94	Storm Water	Pajarito Canyon	37.3	0.144	0.0641	0.126	223	0.147
09-7493	AAB5557	Unfiltered	7/25/94	Storm Water	Pajarito Canyon	9.084	0.0265	0.0192	0.7	34.15	0.121
Surface Water Sampling at TA-40											
40-7034	0540-95-1141	Unfiltered	6/27/95	WSF	Pajarito Canyon	8.73	0.00084	0.00083	0.00237	0.89284	0.0009 U
40-7039	0540-95-1142	Unfiltered	6/27/95	WSF	Pajarito Canyon	8.5	0.00076	0.0015 U	0.0019	0.592	0.0009 U

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling.
(b) WSF = Surface Water Flowing
(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

TABLE PC-1

Pajarito Canyon & Two Mile Canyon: Surface Water Samples

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code [b]	Watershed	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)
NM Livestock Watering Standard[c]						n.s.	n.s.	0.01	n.s.	n.s.	0.05
NM Wildlife Habitat Standard[d]						n.s.	n.s.	0.000012	n.s.	n.s.	0.002
Storm Water Runoff Sampling - Tributary A											
06-1200	AAB7837	Unfiltered	8/2/94	Storm Water	Two Mile Canyon	7.4	0.958	0.00005 U	0.0059 U	5.26	0.0029 U
06-1200	0506-95-1400	Unfiltered	7/25/95	Storm Water	Two Mile Canyon	5.50511	0.355	0.0001 U	0.0028	3.34	0.003
Storm Water Runoff Sampling - Tributary B											
22-1202	AAB7838	Unfiltered	8/2/94	Storm Water	Two Mile Canyon	3.82 U	0.0579	0.00005 U	0.0059 U	6.6	0.002 U
22-1202	0522-95-1401	Unfiltered	7/25/95	Storm Water	Two Mile Canyon	3.23	0.174	0.0001 U	0.006	5.46	0.0021 U
Surface Water Sampling Upper Pajarito Creek											
09-7561	AAB0744	Unfiltered	4/7/94	WSF	Pajarito Canyon	2.82 U	0.0141 U	0.00005 U	0.0158 U	2.03 U	0.0037 U
09-7561	AAB0745	Unfiltered	4/7/94	WSF	Pajarito Canyon	2.8 U	0.0141 U	0.00005 U	0.0158 U	2.02 U	0.002 U
09-7561	AAB5553	Unfiltered	7/6/94	WSF	Pajarito Canyon	2.03 U	0.0054 U	0.0001 U	0.0081 U	1.17 U	0.0012 U
09-7561	AAC0209	Unfiltered	10/6/94	WSF	Pajarito Canyon	3.13 U	0.004 U	0.0001 U	0.0059 U	2.62 U	0.0025 U
Storm Water Runoff Sampling - MDA M											
09-7491	AAB6101	Unfiltered	6/21/94	Storm Water	Pajarito Canyon	35.4	2	0.00045	0.0822	30.1	0.002 U
09-7492	AAB6102	Unfiltered	6/21/94	Storm Water	Pajarito Canyon	46.3	2.77	0.0001 U	0.112	38.7	0.0053 U
09-7493	AAB5557	Unfiltered	7/25/94	Storm Water	Pajarito Canyon	7.41	0.991	0.00016	0.0309	9.488	0.0032 U
Surface Water Sampling at TA-40											
40-7034	0540-95-1141	Unfiltered	6/27/95	WSF	Pajarito Canyon	2.71	0.0145	0.00031	0.00315	2.1	0.0021 U
40-7039	0540-95-1142	Unfiltered	6/27/95	WSF	Pajarito Canyon	2.64	0.013	0.0001 U	0.0034	2.03	0.0048

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling.

(b) WSF = Surface Water Flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

TABLE PC-1

Pajarito Canyon & Two Mile Canyon: Surface Water Samples

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code [b]	Watershed	Silver (mg/L)	Sodium (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
NM Livestock Watering Standard[c]						n.s.	n.s.	n.s.	0.1	25
NM Wildlife Habitat Standard[d]						n.s.	n.s.	n.s.	n.s.	n.s.
Storm Water Runoff Sampling - Tributary A										
06-1200	AAB7837	Unfiltered	8/2/94	Storm Water	Two Mile Canyon	0.0037 U	27.6	0.002 U	0.0221 U	60
06-1200	0506-95-1400	Unfiltered	7/25/95	Storm Water	Two Mile Canyon	0.0005 U	22.801	0.0031	0.0059	27.29
Storm Water Runoff Sampling - Tributary B										
22-1202	AAB7838	Unfiltered	8/2/94	Storm Water	Two Mile Canyon	0.0037 U	17.5	0.002 U	0.0175 U	53.4
22-1202	0522-95-1401	Unfiltered	7/25/95	Storm Water	Two Mile Canyon	0.0005 U	10.1	0.0023 U	0.0128	31.9
Surface Water Sampling Upper Pajarito Creek										
09-7561	AAB0744	Unfiltered	4/7/94	WSF	Pajarito Canyon	0.0028 U	5.1	0.002 U	0.0016 U	4.8 U
09-7561	AAB0745	Unfiltered	4/7/94	WSF	Pajarito Canyon	0.0028 U	5.09	0.002 U	0.0018 U	4.8 U
09-7561	AAB5553	Unfiltered	7/6/94	WSF	Pajarito Canyon	0.0023 U	2.91	0.002 U	0.0093 U	5.9 U
09-7561	AAC0209	Unfiltered	10/6/94	WSF	Pajarito Canyon	0.0037 U	3.98 U	0.0013 U	0.003 U	75
Storm Water Runoff Sampling - MDA M										
09-7491	AAB6101	Unfiltered	6/21/94	Storm Water	Pajarito Canyon	0.0028 U	7.76	0.002 U	0.266	368
09-7492	AAB6102	Unfiltered	6/21/94	Storm Water	Pajarito Canyon	0.0028 U	9.42	0.002 U	0.37	446
09-7493	AAB5557	Unfiltered	7/25/94	Storm Water	Pajarito Canyon	0.0037 U	1.605	0.002 U	0.067	1224
Surface Water Sampling at TA-40										
40-7034	0540-95-1141	Unfiltered	6/27/95	WSF	Pajarito Canyon	0.0005 U	6.96	0.0023 U	0.00291	8.7
40-7039	0540-95-1142	Unfiltered	6/27/95	WSF	Pajarito Canyon	0.00051	6.65	0.0095	0.0033	0.72

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling.
(b) WSF = Surface Water Flowing
(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

TABLE PC-2

Pajarito Canyon & Two Mile Canyon: Surface Water Samples

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Acetone (mg/L)	Chloroethane (mg/L)	Chloromethane (mg/L)	Dichloroethane [1,2-] (mg/L)
NM Livestock Watering Standard[c]						n.s.[e]	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[d]						n.s.	n.s.	n.s.	n.s.
Storm Water Runoff Samples from Tributary A									
06-1200	AAB7837	Unfiltered	8/2/94	Storm Water	Two Mile Canyon	0.02 U	0.010 U	0.010 U	0.005 U
06-1200	0506-95-1400	Unfiltered	7/25/95	Storm Water	Two Mile Canyon	0.014 J	0.066	0.002	0.003 J
Storm Water Runoff Samples from Tributary B									
22-1202	AAB7838	Unfiltered	8/2/94	Storm Water	Two Mile Canyon	0.02 U	0.021	0.010 U	0.005 U
22-1202	0522-95-1401	Unfiltered	7/25/95	Storm Water	Two Mile Canyon	0.014 J	0.055	0.002	0.002 J
Storm Water Runoff Samples at MDA M									
09-7492	AAB8395	Unfiltered		Storm Water	Pajarito Canyon	0.023	0.010 U	0.010 U	0.005 U
09-7493	AAB5557	Unfiltered	7/25/94	Storm Water	Pajarito Canyon	0.023	0.010 U	0.010 U	0.005 U
Upper Pajarito Creek									
09-7561	AAC0209	Unfiltered	10/6/94	WSF	Pajarito Canyon	0.02 U	0.010 U	0.010 U	0.005 U

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

J = The reported value is an estimated quantity.

R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

TABLE PC-2

Pajarito Canyon & Two Mile Canyon: Surface Water Samples

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Dinitrotoluene [2,4-] (mg/L)	Dinitrotoluene [2,6-] (mg/L)	HMX (mg/L)	Methylene Chloride (mg/L)	Trichlorobenzene [1,2,3-] (mg/L)
NM Livestock Watering Standard[c]					n.s.	n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[d]					n.s.	n.s.	n.s.	n.s.	n.s.
Storm Water Runoff Samples from Tributary A									
06-1200	AAB7837	Unfiltered	8/2/94	Storm Water	0.00199 R	0.00199 R	0.00021 UR	0.005 U	0.005 U
06-1200	0506-95-1400	Unfiltered	7/25/95	Storm Water	0.0005 U	0.0005 U	0.001 U	0.006 U	0.001 J
Storm Water Runoff Samples from Tributary B									
22-1202	AAB7838	Unfiltered	8/2/94	Storm Water	0.00263 R	0.00263 R	0.00809 R	0.005 U	0.005 U
22-1202	0522-95-1401	Unfiltered	7/25/95	Storm Water	0.0005 U	0.0005 U	0.001 U	0.006 U	0.005 U
Storm Water Runoff Samples at MDA M									
09-7492	AAB8395	Unfiltered		Storm Water	NA[f]	NA	NA	0.005 U	0.005 U
09-7493	AAB5557	Unfiltered	7/25/94	Storm Water	NA	NA	NA	0.006	0.005 U
Upper Pajarito Creek									
09-7561	AAC0209	Unfiltered	10/6/94	WSF	0.0009	0.000085 U	0.00021 U	0.005 U	0.005 U

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

J = The reported value is an estimated quantity.

R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

TABLE PC-3

Pajarito Canyon & Two Mile Canyon: Surface Water Samples

Radiochemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Gross Alpha Radiation (pCi/L)	Gross Beta Radiation (pCi/L)	Strontium-90 (pCi/L)	Tritium (pCi/L)
NM Livestock Watering Standard[c]						15	n.s.	n.s.	20,000
NM Wildlife Habitat Standard[d]						n.s.[e]	n.s.	n.s.	n.s.
Storm Water Runoff Sampling - Tributary A									
06-1200	AAB7837	Unfiltered	8/2/94	WSF	Two Mile Canyon	NA[f]	NA	0.05 (0.04) U	NA
06-1200	0506-95-1400	Unfiltered	7/25/95	WSF	Two Mile Canyon	NA	NA	0.44 (0.17) U	NA
Storm Water Runoff Sampling - Tributary B									
22-1202	AAB7838	Unfiltered	8/2/94	WSF	Two Mile Canyon	NA	NA	1.02 (0.13)	NA
22-1202	0522-95-1401	Unfiltered	7/25/95	WSF	Two Mile Canyon	NA	NA	0.30 (0.16) U	NA
Surface Water Sampling Upper Pajarito Creek									
09-7550	AAB0741	Unfiltered	4/7/94	WSF	Pajarito Canyon	1.44 (0.33)[g]	2.65 (0.58)	NA	-280.10 (14.4) U
09-7550	AAB5550	Unfiltered	7/6/94	WSF	Pajarito Canyon	-0.32 (0.32) U	2.64 (0.75)	NA	-355.20 (23.65) U
09-7550	AAC0205	Unfiltered	10/6/94	WSF	Pajarito Canyon	0.11 (0.23) U	3.30 (0.34)	NA	-60.40 (4.55) U
09-7550	AAC0206	Unfiltered	10/6/94	WSF	Pajarito Canyon	-0.04 (0.21) U	2.69 (0.31)	NA	23.60 (1.65)
09-7551	AAB0742	Unfiltered	4/7/94	WSF	Pajarito Canyon	0.99 (4.24) U	4.38 (0.96)	NA	-235.60 (12.1) U
09-7551	AAB5551	Unfiltered	7/6/94	WSF	Pajarito Canyon	0.25 (0.23) U	1.92 (0.36)	NA	-196.20 (10.25) U
09-7551	AAC0207	Unfiltered	10/6/94	WSF	Pajarito Canyon	3.32 (0.51)	5.26 (0.48)	NA	10.50 (0.75)
09-7560	AAB0743	Unfiltered	4/7/94	WSF	Pajarito Canyon	1.81 (0.37)	4.32 (0.61)	NA	-91.60 (21.9) U
09-7560	AAB5552	Unfiltered	7/6/94	WSF	Pajarito Canyon	2.10 (0.61)	4.46 (0.99)	NA	-257.10 (13.5) U
09-7560	AAB5554	Unfiltered	7/6/94	WSF	Pajarito Canyon	0.09 (0.19) U	2.55 (0.31)	NA	-278.30 (14.6) U
09-7560	AAC0208	Unfiltered	10/6/94	WSF	Pajarito Canyon	0.59 (0.23) U	2.65 (0.3)	NA	149.60 (10.4)
09-7561	AAB0744	Unfiltered	4/7/94	WSF	Pajarito Canyon	0.44 (0.14)	2.44 (0.29)	NA	-5.20 (0.25) U
09-7561	AAB0745	Unfiltered	7/6/94	WSF	Pajarito Canyon	0.65 (0.16)	2.32 (0.32)	NA	-612.60 (31.8) U
09-7561	AAB5553	Unfiltered	7/6/94	WSF	Pajarito Canyon	0.09 (0.18) U	1.45 (0.3)	NA	-198.80 (10.4) U
09-7561	AAC0209	Unfiltered	10/6/94	WSF	Pajarito Canyon	-0.16 (0.16) U	2.56 (0.35)	NA	-133.90 (9.35) U
Surface Water Sampling at TA-40									
40-7034	0540-95-1141	Unfiltered	6/27/95	WSF	Pajarito Canyon	NA	NA	0.02 (0.17) U	NA
40-7039	0540-95-1142	Unfiltered	6/27/95	WSF	Pajarito Canyon	NA	NA	0.14 (0.16) U	NA

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available

(f) NA = Not analyzed

(g) ( ) = 1-sigma uncertainty associated with reported result

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the detection limit.

TABLE PC-3

Pajarito Canyon & Two Mile Canyon: Surface Water Samples

Radiochemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Uranium-234 (pCi/L)	Uranium-235 (pCi/L)	Uranium-238 (pCi/L)
NM Livestock Watering Standard[c]						n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[d]						n.s.	n.s.	n.s.
Storm Water Runoff Sampling - Tributary A								
06-1200	AAB7837	Unfiltered	8/2/94	WSF	Two Mile Canyon	0.28 (0.03)	0.01 (0) U	0.21 (0.02)
06-1200	0506-95-1400	Unfiltered	7/25/95	WSF	Two Mile Canyon	NA	NA	NA
Storm Water Runoff Sampling - Tributary B								
22-1202	AAB7838	Unfiltered	8/2/94	WSF	Two Mile Canyon	0.14 (0.02)	0.01 (0.07) U	0.11 (0.02)
22-1202	0522-95-1401	Unfiltered	7/25/95	WSF	Two Mile Canyon	NA	NA	NA
Surface Water Sampling Upper Pajarito Creek								
09-7550	AAB0741	Unfiltered	4/7/94	WSF	Pajarito Canyon	NA	NA	NA
09-7550	AAB5550	Unfiltered	7/6/94	WSF	Pajarito Canyon	NA	NA	NA
09-7550	AAC0205	Unfiltered	10/6/94	WSF	Pajarito Canyon	NA	NA	NA
09-7550	AAC0206	Unfiltered	10/6/94	WSF	Pajarito Canyon	NA	NA	NA
09-7551	AAB0742	Unfiltered	4/7/94	WSF	Pajarito Canyon	NA	NA	NA
09-7551	AAB5551	Unfiltered	7/6/94	WSF	Pajarito Canyon	NA	NA	NA
09-7551	AAC0207	Unfiltered	10/6/94	WSF	Pajarito Canyon	NA	NA	NA
09-7560	AAB0743	Unfiltered	4/7/94	WSF	Pajarito Canyon	NA	NA	NA
09-7560	AAB5552	Unfiltered	7/6/94	WSF	Pajarito Canyon	NA	NA	NA
09-7560	AAB5554	Unfiltered	7/6/94	WSF	Pajarito Canyon	NA	NA	NA
09-7560	AAC0208	Unfiltered	10/6/94	WSF	Pajarito Canyon	NA	NA	NA
09-7561	AAB0744	Unfiltered	4/7/94	WSF	Pajarito Canyon	NA	NA	NA
09-7561	AAB0745	Unfiltered	7/6/94	WSF	Pajarito Canyon	NA	NA	NA
09-7561	AAB5553	Unfiltered	7/6/94	WSF	Pajarito Canyon	NA	NA	NA
09-7561	AAC0209	Unfiltered	10/6/94	WSF	Pajarito Canyon	NA	NA	NA
Surface Water Sampling at TA-40								
40-7034	0540-95-1141	Unfiltered	6/27/95	WSF	Pajarito Canyon	NA	NA	NA
40-7039	0540-95-1142	Unfiltered	6/27/95	WSF	Pajarito Canyon	NA	NA	NA

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available

(f) NA = Not analyzed

(g) ( ) = 1-sigma uncertainty associated with reported result

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the detection limit.

TABLE PC-4

Pajarito Canyon & Two Mile Canyon: Springs Water Samples

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code [b]	Watershed	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)
NM Livestock Watering Standard[c]						5	n.s.	0.2	n.s.	n.s.	0.05
NM Wildlife Habitat Standard[d]						n.s.[f]	n.s.	n.s.	n.s.	n.s.	n.s.
NM Ground Water Standard[e]						5	n.s.	0.1	1	n.s.	0.01
Starmer's Spring at TA-9											
09-7550	AAB0741	unfiltered	4/7/94	WGS	Pajarito Canyon	1.56	0.0212 U	0.002 U	0.0573 U	0.00031 U	0.0029 U
09-7550	AAB5550	unfiltered	7/6/94	WGS	Pajarito Canyon	0.5129	0.0353 U	0.007 U	0.0353	0.0007 U	0.0019 U
09-7550	AAC0205	unfiltered	10/6/94	WGS	Pajarito Canyon	0.849	0.021 U	0.0027 U	0.056 U	0.0009 U	0.0017 U
09-7550	AAC0206	unfiltered	10/6/94	WGS	Pajarito Canyon	1.18	0.021 U	0.0027 U	0.054 U	0.0014 U	0.0017 U
Charlie's Spring at TA-9											
09-7551	AAB0742	unfiltered	4/7/94	WGS	Pajarito Canyon	2.38	0.0212 U	0.002 U	0.0601 U	0.0002 U	0.0029 U
09-7551	AAB5551	unfiltered	7/6/94	WGS	Pajarito Canyon	0.694	0.0353 U	0.0033 U	0.0353 U	0.0007 U	0.0019 U
09-7551	AAC0207	unfiltered	10/6/94	WGS	Pajarito Canyon	0.564	0.021 U	0.0027 U	0.0708 U	0.0013 U	0.0017 U
Homestead Spring at TA-9											
09-7560	AAB0743	unfiltered	4/7/94	WGS	Pajarito Canyon	1.95	0.0212 U	0.002 U	0.0569 U	0.0002 U	0.0029 U
09-7560	AAB5552	unfiltered	7/6/94	WGS	Pajarito Canyon	0.874	0.0353 U	0.0024 U	0.0228 U	0.0007 U	0.0019 U
09-7560	AAB5554	unfiltered	7/6/94	WGS	Pajarito Canyon	0.846	0.0353 U	0.0024 U	0.0252 U	0.0007 U	0.0019 U
09-7560	AAC0208	unfiltered	10/6/94	WGS	Pajarito Canyon	0.994	0.021 U	0.0027 U	0.0372 U	0.0011 U	0.0017 U

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling.

(b) WGS = Groundwater, Spring

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(f) n.s. = no standard. A numerical standard is not available.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

TABLE PC-4

Pajarito Canyon & Two Mile Canyon: Springs Water Samples

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code [b]	Watershed	Calcium (mg/L)	Chromium, Total (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
NM Livestock Watering Standard[c]						n.s.	1	1	0.5	n.s.	0.1
NM Wildlife Habitat Standard[d]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
NM Ground Water Standard[e]						n.s.	0.05	0.05	1	1	0.05
Starmer's Spring at TA-9											
09-7550	AAB0741	unfiltered	4/7/94	WGS	Pajarito Canyon	12.6	0.0072 U	0.0035 U	0.0016 U	0.838	0.002 U
09-7550	AAB5550	unfiltered	7/6/94	WGS	Pajarito Canyon	8	0.0044 U	0.0029 U	0.0074 U	0.4562	0.0009 U
09-7550	AAC0205	unfiltered	10/6/94	WGS	Pajarito Canyon	12.5	0.0055 U	0.0035 U	0.0055 U	0.559	0.0011 U
09-7550	AAC0206	unfiltered	10/6/94	WGS	Pajarito Canyon	12.5	0.0055 U	0.0035 U	0.0055 U	0.777	0.0011 U
Charlie's Spring at TA-9											
09-7551	AAB0742	unfiltered	4/7/94	WGS	Pajarito Canyon	11.8	0.007 U	0.0035 U	0.0016 U	1.05	0.002 U
09-7551	AAB5551	unfiltered	7/6/94	WGS	Pajarito Canyon	6.98	0.0044 U	0.0029 U	0.0016 U	0.403	0.0009 U
09-7551	AAC0207	unfiltered	10/6/94	WGS	Pajarito Canyon	14.6	0.0055 U	0.0035 U	0.0055 U	1.08	0.0011 U
Homestead Spring at TA-9											
09-7560	AAB0743	unfiltered	4/7/94	WGS	Pajarito Canyon	13.5	0.007 U	0.0035 U	0.0141 U	0.908	0.002 U
09-7560	AAB5552	unfiltered	7/6/94	WGS	Pajarito Canyon	4.64 U	0.0044 U	0.0029 U	0.0016 U	0.426	0.0009 U
09-7560	AAB5554	unfiltered	7/6/94	WGS	Pajarito Canyon	5.23	0.0044 U	0.0029 U	0.0016 U	0.439	0.0009 U
09-7560	AAC0208	unfiltered	10/6/94	WGS	Pajarito Canyon	8.7	0.0055 U	0.0035 U	0.0055 U	0.534	0.0011 U

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling.

(b) WGS = Groundwater, Spring

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(f) n.s. = no standard. A numerical standard is not available.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

TABLE PC-4

Pajarito Canyon & Two Mile Canyon: Springs Water Samples

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code [b]	Watershed	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)
NM Livestock Watering Standard[c]						n.s.	n.s.	0.01	n.s.	n.s.	0.05
NM Wildlife Habitat Standard[d]						n.s.	n.s.	0.000012	n.s.	n.s.	0.002
[illegible] Water Standard[e]						n.s.	0.2	0.002	0.2	n.s.	0.05
Starmer's Spring at TA-9											
09-7550	AAB0741	unfiltered	4/7/94	WGS	Pajarito Canyon	3.79 U	0.0141 U	0.00005 U	0.0158 U	2.74 U	0.0034 U
09-7550	AAB5550	unfiltered	7/6/94	WGS	Pajarito Canyon	2.59	0.0048 U	0.0001 U	0.0115 U	1.84 U	0.0016 U
09-7550	AAC0205	unfiltered	10/6/94	WGS	Pajarito Canyon	3.99 U	0.0346	0.0001 U	0.0059 U	2.74 U	0.0025 U
09-7550	AAC0206	unfiltered	10/6/94	WGS	Pajarito Canyon	4.01 U	0.0198	0.0001 U	0.0059 U	2.8 U	0.0025 U
Charlie's Spring at TA-9											
09-7551	AAB0742	unfiltered	4/7/94	WGS	Pajarito Canyon	3.55	0.0141	0.00005 U	0.0158	2.689	0.002 U
09-7551	AAB5551	unfiltered	7/6/94	WGS	Pajarito Canyon	2.31 U	0.0125 U	0.0001 U	0.0092 U	1.76 U	0.0012 U
09-7551	AAC0207	unfiltered	10/6/94	WGS	Pajarito Canyon	4.51 U	0.271	0.0001 U	0.0059 U	3.06 U	0.0025 U
Homestead Spring at TA-9											
09-7560	AAB0743	unfiltered	4/7/94	WGS	Pajarito Canyon	4.35 U	0.0141 U	0.00005 U	0.0158 U	2.97 U	0.011
09-7560	AAB5552	unfiltered	7/6/94	WGS	Pajarito Canyon	1.63 U	0.0048 U	0.0001 U	0.0081 U	1.49 U	0.0012 U
09-7560	AAB5554	unfiltered	7/6/94	WGS	Pajarito Canyon	1.83 U	0.0048 U	0.0001 U	0.0081 U	1.32 U	0.0012 U
09-7560	AAC0208	unfiltered	10/6/94	WGS	Pajarito Canyon	2.91 U	0.005	0.0001 U	0.0059 U	2.35 U	0.0025 U

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling.

(b) WGS = Groundwater, Spring

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(f) n.s. = no standard. A numerical standard is not available.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

TABLE PC-4

Pajarito Canyon & Two Mile Canyon: Springs Water Samples

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code [b]	Watershed	Silver (mg/L)	Sodium (mg/L)	Thallium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
NM Livestock Watering Standard[c]						n.s.	n.s.	n.s.	0.1	25
NM Wildlife Habitat Standard[d]						n.s.	n.s.	n.s.	n.s.	n.s.
NM Ground Water Standard[e]						0.05	n.s.	n.s.	n.s.	10
Starmer's Spring at TA-9										
09-7550	AAB0741	unfiltered	4/7/94	WGS	Pajarito Canyon	0.0028 U	15.1	0.002 U	0.0039 U	4.8 U
09-7550	AAB5550	unfiltered	7/6/94	WGS	Pajarito Canyon	0.0023 U	8.6837	0.002 U	0.014	27.4
09-7550	AAC0205	unfiltered	10/6/94	WGS	Pajarito Canyon	0.0037 U	11.4	0.0013 U	0.003 U	86.4
09-7550	AAC0206	unfiltered	10/6/94	WGS	Pajarito Canyon	0.0037 U	11.4	0.0013 U	0.003 U	55.2
Charlie's Spring at TA-9										
09-7551	AAB0742	unfiltered	4/7/94	WGS	Pajarito Canyon	0.0028 U	13.9	0.002 U	0.0016	4.8 U
09-7551	AAB5551	unfiltered	7/6/94	WGS	Pajarito Canyon	0.0038 U	6.93	0.002 U	0.014 U	9.7 U
09-7551	AAC0207	unfiltered	10/6/94	WGS	Pajarito Canyon	0.0037 U	14.2	0.0013 U	0.003 U	194
Homestead Spring at TA-9										
09-7560	AAB0743	unfiltered	4/7/94	WGS	Pajarito Canyon	0.0028 U	15.7	0.002 U	0.0016 U	4.8 U
09-7560	AAB5552	unfiltered	7/6/94	WGS	Pajarito Canyon	0.0023 U	5.35	0.002 U	0.0112 U	5.8 U
09-7560	AAB5554	unfiltered	7/6/94	WGS	Pajarito Canyon	0.0023 U	6.1	0.002 U	0.011 U	7.8 U
09-7560	AAC0208	unfiltered	10/6/94	WGS	Pajarito Canyon	0.0037 U	7.88	0.0013 U	0.003 U	102

NOTES:

(a) All spring water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling.

(b) WGS = Groundwater, Spring

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(f) n.s. = no standard. A numerical standard is not available.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

TABLE PC-5

Pajarito Canyon & Two Mile Canyon: Springs Water Samples

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Dinitrotoluene [2,4-] (mg/L)		HMX (mg/L)	
NM Livestock Watering Standard[c]						n.s.[f]		n.s.	
NM Wildlife Habitat Standard[d]						n.s.		n.s.	
NM Ground Water Standard[e]						n.s.		n.s.	
Starmer's Spring									
09-7550	AAC0205	Unfiltered	10/6/94	WGS	Pajarito Canyon	0.000085	U	0.00199	
09-7550	AAC0206	Unfiltered	10/6/94	WGS	Pajarito Canyon	0.00152		0.00021	U
Homestead Spring									
09-7560	AAC0208	Unfiltered	10/6/94	WGS	Pajarito Canyon	0.000085	U	0.00148	

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling.

(b) WGS = Groundwater, Spring

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(f) n.s. = no standard. A numerical standard is not available.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

Attachment I

Analytical Methods

TABLE 1

Pajarito Canyon & Two-Mile Canyon Water Data Set Analytical Methods

Analytical Suite	Method	Method Description
Organics		
Volatile organic compounds	SW-846 Method 8260	GC/MS[a]
Semivolatile organic compounds	SW-846 Method 8270	GC/MS
High explosives	SW-846 Method 8330	HPLC[b]
Inorganics		
Target analyte list (TAL) metals (excluding Pb, Se, Tl, and Hg)	SW-846 Methods 3005/3010/6010	ICPES[c]
Pb, Se, Tl	SW-846 7000-series methods	GFAA[d], ETVAA[e]
Hg	SW-846 Method 7470	CVAA[f]
Radionuclides		
Gross-alpha/-beta radiation	EPA Method 900	GFPC[g]
Strontium-90	N/A[h]	GFPC
Tritium	N/A	Liquid scintillation
U-234, U-235, U-238	N/A	Alpha spectrometry

a. GC/MS = gas chromatography/mass spectrometry
b. HPLC = high performance liquid chromatography
c. ICPES = inductively coupled plasma emission spectroscopy
d. GFAA = graphite furnace atomic absorption
e. ETVAA= electrothermal vaporization atomic absorption
f. CVAA = cold vapor atomic absorption
g. GFPC = gas flow proportional counting
h. N/A = not applicable

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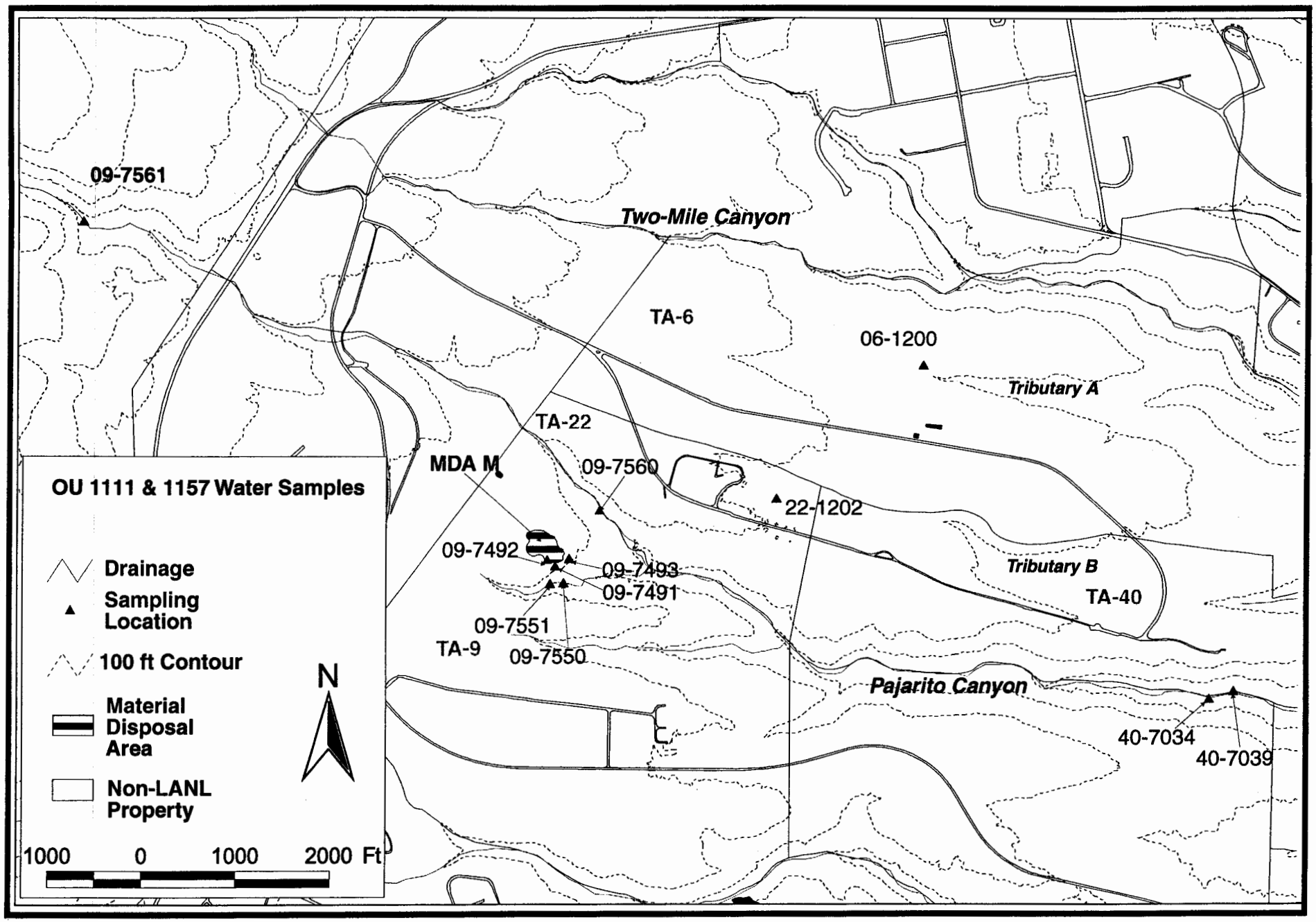
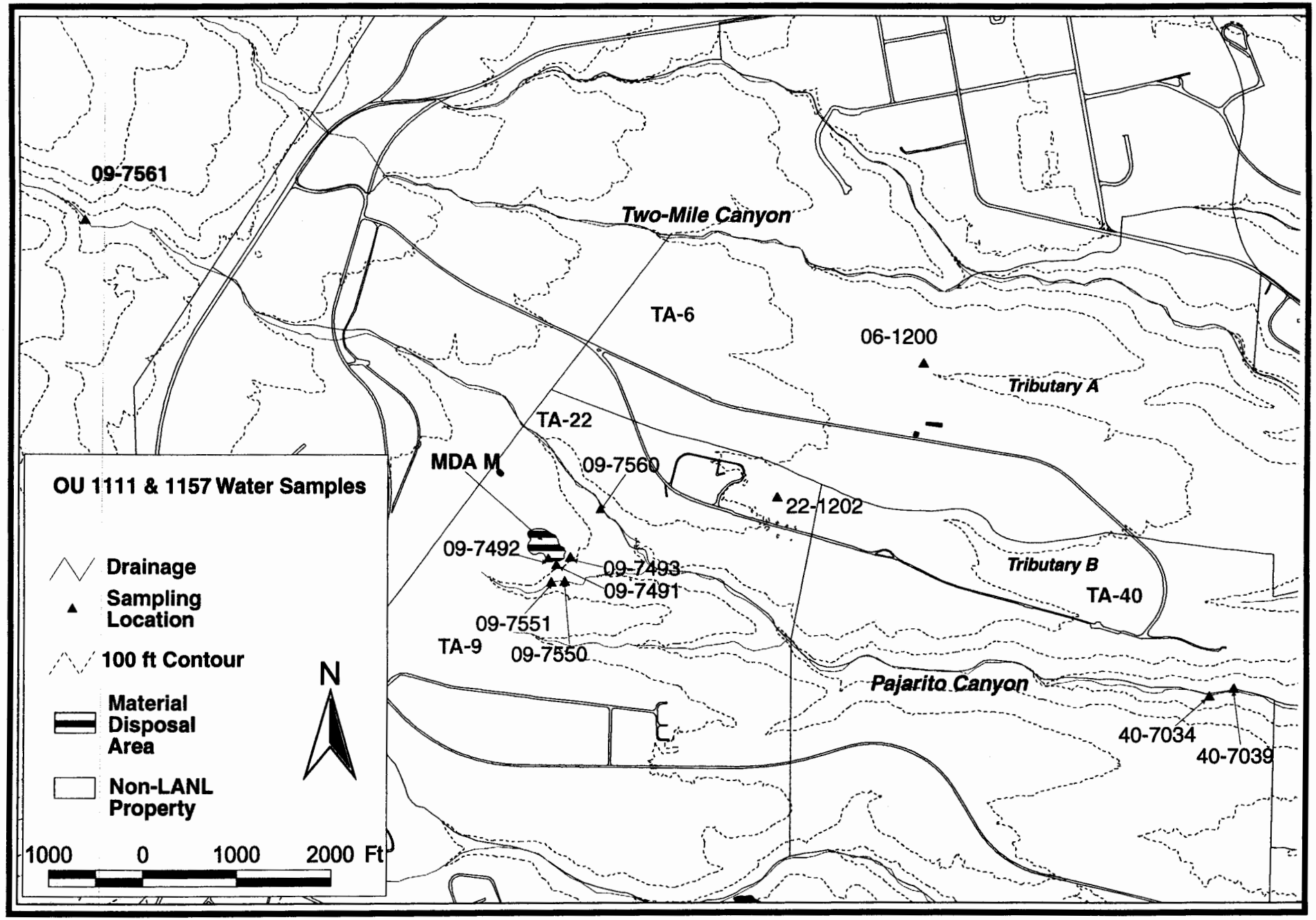
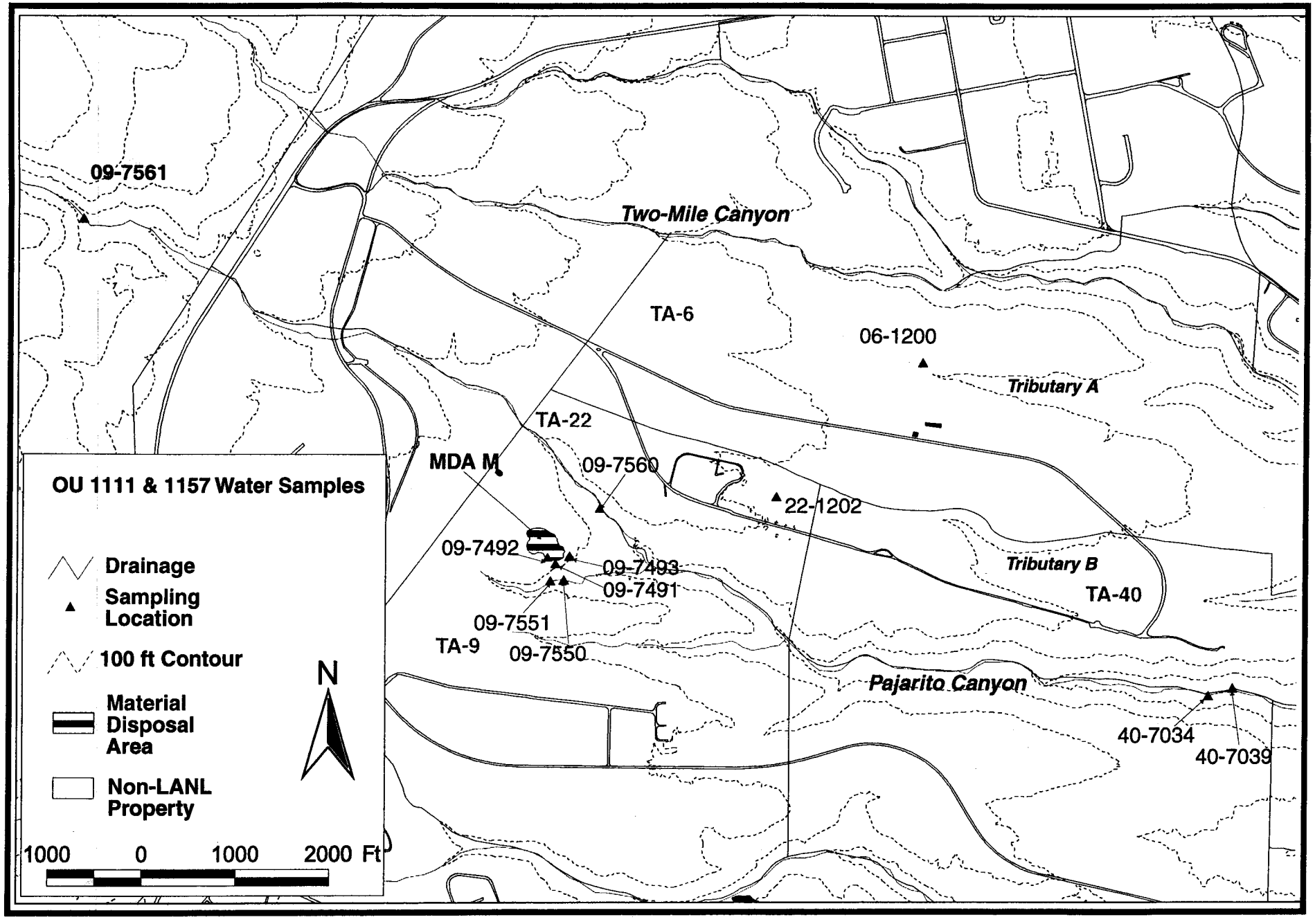
Attachment II

Maps


OU 1111 & 1157 Water Samples
Drainage
Sampling Location
100 ft Contour
Material Disposal Area
Non-LANL Property
N
1000 0 1000 2000 Ft
09-7561
Two-Mile Canyon
TA-6
06-1200
Tributary A
TA-22
MDA M
09-7560
22-1202
09-7492
09-7493
09-7491
Tributary B
TA-40
09-7551
TA-9
09-7550
Pajarito Canyon
40-7034
40-7039


OU 1111 & 1157 Water Samples
Drainage
Sampling Location
100 ft Contour
Material Disposal Area
Non-LANL Property
N
1000 0 1000 2000 Ft
09-7561
Two-Mile Canyon
TA-6
06-1200
Tributary A
TA-22
MDA M
09-7560
22-1202
09-7492
09-7493
09-7491
Tributary B
TA-40
09-7551
TA-9
09-7550
Pajarito Canyon
40-7034
40-7039


OU 1111 & 1157 Water Samples
Drainage
Sampling Location
100 ft Contour
Material Disposal Area
Non-LANL Property
N
1000 0 1000 2000 Ft
09-7561
Two-Mile Canyon
TA-6
06-1200
Tributary A
TA-22
MDA M
09-7560
22-1202
09-7492
09-7493
09-7491
Tributary B
TA-40
09-7551
TA-9
09-7550
Pajarito Canyon
40-7034
40-7039

Los Alamos National Laboratory
Environmental Restoration Project

Water Canyon/ TA-36 Water Data Set

December 22, 1998

Water Canyon Surface Water Samples

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)
NM Livestock Watering Standard[c]						5	n.s.	0.2	n.s.	n.s.
NM Wildlife Habitat Standard[d]						n.s.[e]	n.s.	n.s.	n.s.	n.s.
36-10031	0236-97-0017	Unfiltered	3/27/97	WSF	Water Canyon	0.737	0.05 U	0.002 U	0.195	0.004 U
36-10031	0236-97-0018	Unfiltered	3/27/97	WSF	Water Canyon	7.82	0.05 U	0.002 U	0.208	0.004 U
36-10031	0236-97-0019	Unfiltered	3/27/97	WSF	Water Canyon	7.84	0.05 U	0.002 U	0.209	0.004 U
36-10032	0236-97-0020	Unfiltered	3/27/97	WSF	Water Canyon	7.85	0.05 U	0.002 U	0.205	0.004 U
36-3082	AAB1821	Unfiltered	10/17/94	WSF	Water Canyon	5.35	0.05 U	0.002 U	0.0483 U	0.005 U
36-3083	AAB1822	Unfiltered	10/17/94	WSF	Water Canyon	5.79	0.05 U	0.0021 U	0.0509 U	0.005 U

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

J- = The analyte was positively identified, and the result is likely biased low.

Table I

Water Canyon Surface Water Samples

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Cadmium (mg/L)		Calcium (mg/L)		Chromium, Total (mg/L)		Cobalt (mg/L)		Copper (mg/L)	
NM Livestock Watering Standard[c]						0.05		n.s.		1		1		0.5	
NM Wildlife Habitat Standard[d]						n.s.		n.s.		n.s.		n.s.		n.s.	
36-10031	0236-97-0017	Unfiltered	3/27/97	WSF	Water Canyon	0.005	U	9.79		0.01	U	0.01	U	0.005	U
36-10031	0236-97-0018	Unfiltered	3/27/97	WSF	Water Canyon	0.005	U	10		0.01	U	0.01	U	0.005	U
36-10031	0236-97-0019	Unfiltered	3/27/97	WSF	Water Canyon	0.005	U	10.1		0.01	U	0.01	U	0.005	U
36-10032	0236-97-0020	Unfiltered	3/27/97	WSF	Water Canyon	0.005	U	9.96		0.01	U	0.01	U	0.005	U
36-3082	AAB1821	Unfiltered	10/17/94	WSF	Water Canyon	0.005	U	2.43	U	0.01	U	0.01	U	0.005	U
36-3083	AAB1822	Unfiltered	10/17/94	WSF	Water Canyon	0.005	U	2.45	U	0.01	U	0.01	U	0.005	U

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

J- = The analyte was positively identified, and the result is likely biased low.

Table 1

Water Canyon Surface Water Samples

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Iron (mg/L)	Lead (mg/L)		Magnesium (mg/L)		Manganese (mg/L)	Mercury (mg/L)	
NM Livestock Watering Standard[c]						n.s.	0.1		n.s.		n.s.	0.01	
NM Wildlife Habitat Standard[d]						n.s.	n.s.		n.s.		n.s.	1.20E-05	
36-10031	0236-97-0017	Unfiltered	3/27/97	WSF	Water Canyon	0.416	0.0015	U	3.16		0.0095	0.0001	U
36-10031	0236-97-0018	Unfiltered	3/27/97	WSF	Water Canyon	3.95	0.0028		3.86		0.0223	0.0001	U
36-10031	0236-97-0019	Unfiltered	3/27/97	WSF	Water Canyon	3.98	0.0015	U	3.85		0.0227	0.0001	U
36-10032	0236-97-0020	Unfiltered	3/27/97	WSF	Water Canyon	3.97	0.0016		3.82		0.0221	0.0001	U
36-3082	AAB1821	Unfiltered	10/17/94	WSF	Water Canyon	3.33	0.0036		1.13	U	0.0662	0.0001	UJ
36-3083	AAB1822	Unfiltered	10/17/94	WSF	Water Canyon	3.53	0.0051		1.21	U	0.0638	0.0001	UJ

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
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UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

J- = The analyte was positively identified, and the result is likely biased low.

Water Canyon Surface Water Samples

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Nickel (mg/L)		Potassium (mg/L)		Selenium (mg/L)		Silver (mg/L)		Sodium (mg/L)	
NM Livestock Watering Standard[c]						n.s.		n.s.		0.05		n.s.		n.s.	
NM Wildlife Habitat Standard[d]						n.s.		n.s.		0.002		n.s.		n.s.	
36-10031	0236-97-0017	Unfiltered	3/27/97	WSF	Water Canyon	0.015	U	3.11		0.0025	U	0.005	U	15	
36-10031	0236-97-0018	Unfiltered	3/27/97	WSF	Water Canyon	0.015	U	3.83		0.0025	U	0.005	U	15.2	
36-10031	0236-97-0019	Unfiltered	3/27/97	WSF	Water Canyon	0.015	U	3.98		0.0025	U	0.005	U	15.3	
36-10032	0236-97-0020	Unfiltered	3/27/97	WSF	Water Canyon	0.015	U	4.09		0.0025	U	0.005	U	15	
36-3082	AAB1821	Unfiltered	10/17/94	WSF	Water Canyon	0.015	U	3.24	U	0.0025	U	0.005	U	0.782	U
36-3083	AAB1822	Unfiltered	10/17/94	WSF	Water Canyon	0.015	U	2.63	U	0.0025	U	0.005	U	0.964	U

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

J- = The analyte was positively identified, and the result is likely biased low.

Water Canyon Surface Water Samples

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Thallium (mg/L)		Uranium (mg/L)		Vanadium (mg/L)		Zinc (mg/L)
NM Livestock Watering Standard[c]						n.s.		n.s.		0.1		25
NM Wildlife Habitat Standard[d]						n.s.		n.s.		n.s.		n.s.
36-10031	0236-97-0017	Unfiltered	3/27/97	WSF	Water Canyon	0.002	U			0.01	U	0.0116
36-10031	0236-97-0018	Unfiltered	3/27/97	WSF	Water Canyon	0.002	U			0.01	U	0.0159
36-10031	0236-97-0019	Unfiltered	3/27/97	WSF	Water Canyon	0.002	U			0.01	U	0.0203
36-10032	0236-97-0020	Unfiltered	3/27/97	WSF	Water Canyon	0.002	U			0.01	U	0.0194
36-3082	AAB1821	Unfiltered	10/17/94	WSF	Water Canyon	0.0025	U	0.106	J	0.01	U	0.0812
36-3083	AAB1822	Unfiltered	10/17/94	WSF	Water Canyon	0.0025	U	0.000295	J-	0.01	U	0.069

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

J- = The analyte was positively identified, and the result is likely biased low.

Table 2

Water Canyon Surface Water Samples

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Amino-2,6-dinitrotoluene[4-] (mg/L)		HMX (mg/L)		Nitrotoluene[3-] (mg/L)		Nitrotoluene[4-] (mg/L)		RDX (mg/L)	
NM Livestock Watering Standard[d]						n.s.[e]		n.s.		n.s.		n.s.		n.s.	
NM Wildlife Habitat Standard[e]						n.s.		n.s.		n.s.		n.s.		n.s.	
36-10031	0236-97-0017	Unfiltered	3/27/97	WSF	Water Canyon	0.000051	U	0.00785		0.000104	U	0.000096	U	0.0019	
36-10031	0236-97-0018	Unfiltered	3/27/97	WSF	Water Canyon	0.000052		0.00793		0.000104	U	0.000096	U	0.00189	
36-10031	0236-97-0019	Unfiltered	3/27/97	WSF	Water Canyon	0.000052		0.00782		0.000104	U	0.000096	U	0.00191	
36-10032	0236-97-0020	Unfiltered	3/27/97	WSF	Water Canyon	0.000051		0.00795		0.000104	U	0.000096	U	0.00191	
36-3082	AAB1821	Unfiltered	10/17/94	WSF	Water Canyon	0.000054	U	0.000098	U	0.00014	U	0.00011	U	0.000098	U
36-3083	AAB1822	Unfiltered	10/17/94	WSF	Water Canyon	0.000054	U	0.000098	U	0.000509		0.00115		0.000098	U

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table

Water Canyon Surface Water Samples

Radiochemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Gross Alpha Radiation (pci/L)			Gross Beta Radiation (pci/L)			Gross Gamma Radiation (pci/L)		
NM Livestock Watering Standard[d]							15			n.s.			n.s.	
NM Wildlife Habitat Standard[e]							n.s.[e]			n.s.			n.s.	
36-10031	0236-97-0017	Unfiltered	3/27/97	WSF	Water Canyon	1.32	(0.55)[f]	U	4.89	(0.92)		151	(10.9)	
36-10031	0236-97-0018	Unfiltered	3/27/97	WSF	Water Canyon	1.29	(0.51)	U	3.63	(0.93)		195	(15.9)	
36-10031	0236-97-0019	Unfiltered	3/27/97	WSF	Water Canyon	0.23	(0.49)	U	4.94	(0.93)		192	(11.6)	
36-10032	0236-97-0020	Unfiltered	3/27/97	WSF	Water Canyon	1.21	(0.47)	U	5.87	(0.93)		241	(16.7)	
36-3082	AAB1821	Unfiltered	10/17/94	WSF	Water Canyon	-480	(3220)	U	-9180	(18880)	U	70	(490)	U
36-3083	AAB1822	Unfiltered	10/17/94	WSF	Water Canyon	480	(3220)	U	53790	(45680)	U	70	(490)	U

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

(f) ( ) = 1-sigma uncertainty associated with reported result

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.
J = The reported value is an estimated quantity.

Water Canyon Surface Water Samples

Radiochemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Plutonium-238 (pci/L)	Plutonium-239 (pci/L)	Strontium-85 (pci/L)
NM Livestock Watering Standard[d]						n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[e]						n.s.	n.s.	n.s.
36-10031	0236-97-0017	Unfiltered	3/27/97	WSF	Water Canyon	NA	NA	NA
36-10031	0236-97-0018	Unfiltered	3/27/97	WSF	Water Canyon	NA	NA	NA
36-10031	0236-97-0019	Unfiltered	3/27/97	WSF	Water Canyon	NA	NA	NA
36-10032	0236-97-0020	Unfiltered	3/27/97	WSF	Water Canyon	NA	NA	NA
36-3082	AAB1821	Unfiltered	10/17/94	WSF	Water Canyon	0 (0.0118) U	0.233 (0.0327) J	NA
36-3083	AAB1822	Unfiltered	10/17/94	WSF	Water Canyon	0.0884 (0.0224) J	0.0353 (0.016) U	10.75 (2.533) J

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

(f) ( ) = 1-sigma uncertainty associated with reported result

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.
J = The reported value is an estimated quantity.

Table 1

Water Canyon Surface Water Samples

Radiochemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Uranium-234 (pci/L)	Uranium-235 (pci/L)	Uranium-238 (pci/L)
NM Livestock Watering Standard[d]						n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[e]						n.s.	n.s.	n.s.
36-10031	0236-97-0017	Unfiltered	3/27/97	WSF	Water Canyon	0.077 (0.0235) U	0.041 (0.017) U	0.081 (0.024) U
36-10031	0236-97-0018	Unfiltered	3/27/97	WSF	Water Canyon	0.099 (0.0265) U	0.027 (0.0135) U	0.086 (0.0245) U
36-10031	0236-97-0019	Unfiltered	3/27/97	WSF	Water Canyon	0.077 (0.027) U	0 (0.014) U	0.081 (0.027) U
36-10032	0236-97-0020	Unfiltered	3/27/97	WSF	Water Canyon	0.045 (0.0215) U	0.009 (0.0135) U	0.063 (0.0215) U
36-3082	AAB1821	Unfiltered	10/17/94	WSF	Water Canyon	NA	1.447 (1.5325) U	NA
36-3083	AAB1822	Unfiltered	10/17/94	WSF	Water Canyon	NA	NA	NA

NOTES:

(a) All surface water samples are grab samples collected according to LANL-ER-SOP-6.13, Surface Water Sampling. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WSF = Surface water, flowing

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = no standard. A numerical standard is not available.

(f) ( ) = 1-sigma uncertainty associated with reported result

Explanation of data qualifier flags:

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Attachment I

Analytical Methods

TABLE 1

Water Canyon / TA-36 Water Data Set Analytical Methods

Analytical Suite	Method	Method Description
Organics		
Volatile organic compounds	SW-846 Method 8260	GC/MS[a]
Semivolatile organic compounds	SW-846 Method 8270	GC/MS
High explosives	SW-846 Method 8330	HPLC[b]
Inorganics		
Target analyte list (TAL) metals (excluding As, Pb, Se, Tl, and Hg)	SW-846 Methods 3005/3010/6010	ICPES[c]
As, Pb, Se, Tl	SW-846 7000-series methods	GFAA[d]
Hg	SW-846 Method 7470	CVAA[e]
Total Uranium	SW-846 Method 3052 / ASTM Method D5174-91	KPA[f]
Radionuclides		
Gamma-emitting isotopes	EPA Method 901.1	Gamma spectroscopy
Gross-alpha/-beta radiation	EPA Method 900	GFPC[g]
Pu-238, Pu-239/240	Not applicable	Alpha spectrometry
U-234, U-235, U-238	Not applicable	Alpha spectrometry

a. GC/MS = gas chromatography/mass spectrometry
b. HPLC = high performance liquid chromatography
c. ICPES = inductively coupled plasma emission spectroscopy
d. GFAA = graphite furnace atomic absorption
e. CVAA = cold vapor atomic absorption
f. KPA = kinetic phosphorescence analysis
g. GFPC = gas flow proportional counting

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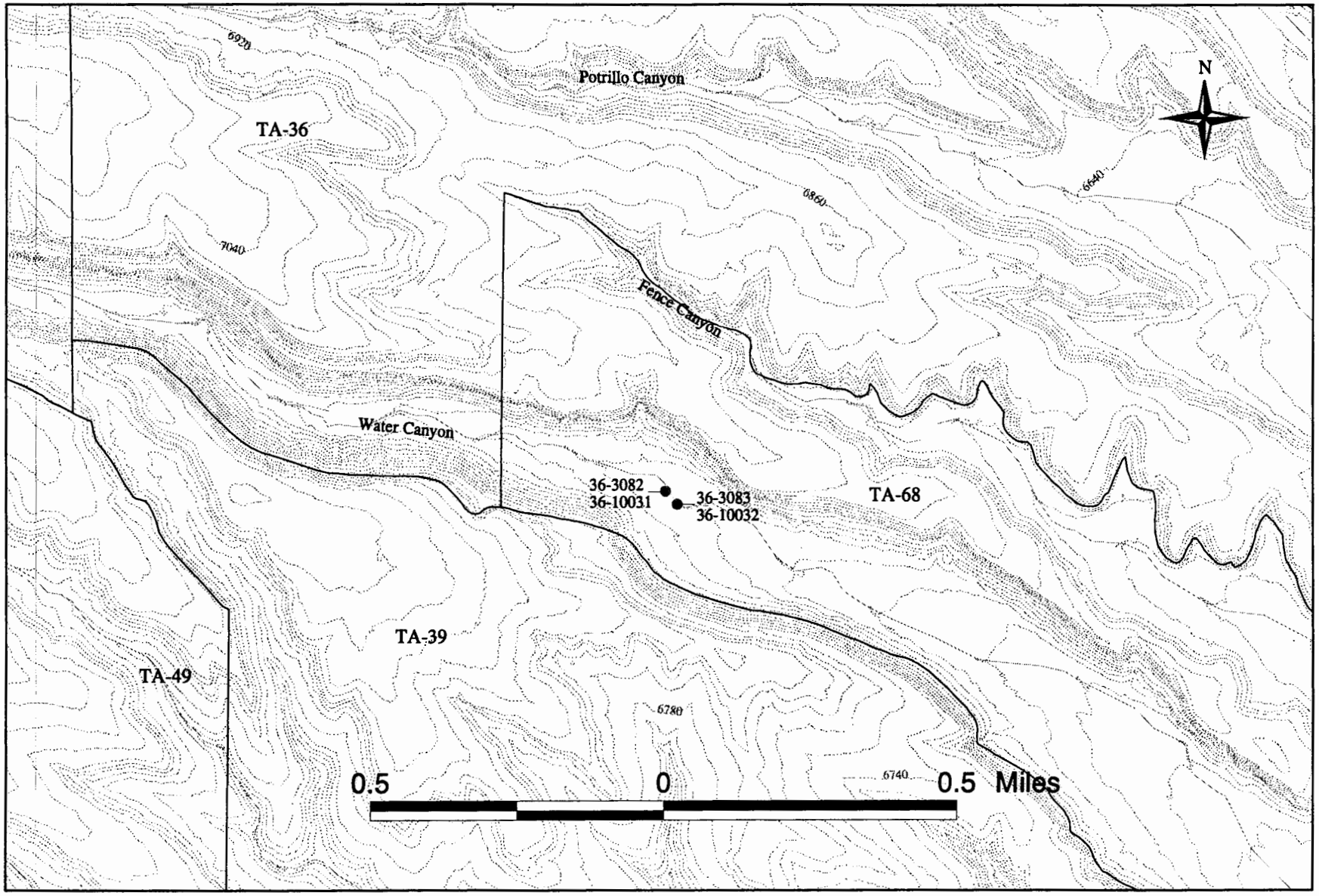
Attachment II

Maps

Surface Water Locations in Water Canyon (TA-36)



Los Alamos National Laboratory
Environmental Restoration Project

Regional Aquifer Boreholes R-9 and R-12 Water Data Sets

December 22, 1998

EXECUTIVE SUMMARY

WATER CHEMISTRY DATA FOR LOS ALAMOS CANYON AND SANDIA CANYON: REGIONAL AQUIFER BOREHOLES R-9 AND R-12

This report contains a tabulation of water chemistry data collected from regional aquifer characterization boreholes R-9 in upper Los Alamos Canyon and R-12 in upper Sandia Canyon. R-9 and R-12 were drilled as part of both the Los Alamos Canyon workplan and the LANL Hydrogeologic Workplan submitted to the NMED and EPA in 1995 and in 1996, respectively. Borehole R-9 was sampled in 1997 and 1998 and borehole R-12 was sampled in 1998. Groundwater samples were collected from perched intermediate zones and the regional aquifer encountered in the two boreholes. Routine analytes consist of major ions, trace elements, radionuclides, and organic compounds. Analytical data are reported from ER Project subcontract laboratories using EPA-SW 846 methods (see Attachment I for a summary of analytical methods). Non-routine analyses include stable isotopes of hydrogen, oxygen, and nitrogen, low-level tritium, and dissolved organic carbon fractionation (humic substances).

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TABLE 1

Analytical Data for R-9, Upper Los Alamos Canyon

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Groundwater Zone	Sample Depth (ft bgs)	Aluminum (mg/L)		Antimony (mg/L)		Arsenic (mg/L)		Barium (mg/L)	
NM Ground Water Standard [c]							5		n.s.[d]		0.1		1	
LA-0168	04LA-97-0480	UNFILTERED	10/6/97	WGD	Intermediate	180	116		0.0034	U	0.0130		0.745	
LA-0168	04LA-97-0481	FILTERED	10/6/97	WGD	Intermediate	180	0.105	U	0.0034	U	0.0026	U	0.0243	J
LA-0168	04LA-97-0483	UNFILTERED	10/16/97	WGD	Intermediate	275	1070		0.017	J-	0.0988		5.79	
LA-0168	04LA-97-0486	UNFILTERED	10/20/97	WGD	Intermediate	275	488	J	0.017	U	0.0458	J	3.73	J
LA-0168	04LA-97-0487	FILTERED	10/20/97	WGD	Intermediate	275	1.6	J	0.0071	J	0.0028	U	0.0064	J
LA-0168	04LA-97-0627	UNFILTERED	12/20/97	WGD	Regional	579	7.86	J	0.0034	U	0.0047	J	0.175	J
LA-0168	04LA-98-0026	UNFILTERED	12/18/97	WGD	Regional	579	16.3		0.0034	U	0.0039	J	0.257	
LA-0168	04LA-98-0027	FILTERED	12/18/97	WGD	Regional	579	0.0768	U	0.0034	U	0.0025	U	0.0646	J
LA-0168	04LA-97-0628	FILTERED	12/20/97	WGD	Regional	615	0.309	J	0.0034	U	0.0028	U	0.0623	J
LA-0168	04LA-98-0028	UNFILTERED	1/12/98	WGD	Regional	615	536		0.034	U	0.1030		8.77	
LA-0168	04LA-98-0029	FILTERED	1/12/98	WGD	Regional	615	0.385	U	0.0034	U	0.0025	U	0.083	J
LA-0168	04LA-98-0030	UNFILTERED	1/14/98	WGD	Regional	624	76.3		0.0034	U	0.0061	J	1	
LA-0168	04LA-98-0031	FILTERED	1/14/98	WGD	Regional	624	0.394	U	0.0034	U	0.0025	U	0.0127	J
LA-0168	04LA-98-0032	UNFILTERED	1/20/98	WGD	Regional	688	62.1		0.0034	U	0.0060	J	0.545	
LA-0168	04LA-98-0033	FILTERED	1/20/98	WGD	Regional	688	0.0944	U	0.0034	U	0.0029	J	0.044	J

NOTES:

(a) All groundwater samples are grab samples collected using a bailer. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGD = Groundwater, Deep Well

(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(d) n.s. = no standard. A numerical standard is not available.

(e) NA = not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

J- = The analyte was positively identified, and the result is likely biased low.

J+ = The analyte was positively identified, and the result is likely bised high.

R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

TABLE 1

Analytical Data for R-9, Upper Los Alamos Canyon

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium, Total (mg/L)	Cobalt (mg/L)	Copper (mg/L)
NM Ground Water Standard [c]					n.s.	0.75	0.01	n.s.	0.05	0.05	1
LA-0168	04LA-97-0480	UNFILTERED	10/6/97	WGD	0.0096	0.0242 J	0.0004 U	59	0.0629	0.0258 J	0.257
LA-0168	04LA-97-0481	FILTERED	10/6/97	WGD	0.0004 U	0.02 J	0.001 J	14.3	0.0028 U	0.00097 J	0.0045 J
LA-0168	04LA-97-0483	UNFILTERED	10/16/97	WGD	0.0564 J	0.361 J	0.002 J-	955	1.06	1.07	9.98
LA-0168	04LA-97-0486	UNFILTERED	10/20/97	WGD	0.0252	0.13 J	0.001 U	391	0.538	0.46	3.95
LA-0168	04LA-97-0487	FILTERED	10/20/97	WGD	0.00006 U	0.0678 J	0.0002 U	1.92 J	0.0052 U	0.0004 U	0.0157 J
LA-0168	04LA-97-0627	UNFILTERED	12/20/97	WGD	0.00046 U	NA[e]	0.0002 R	30	0.075	0.0101 J	0.0231 J
LA-0168	04LA-98-0026	UNFILTERED	12/18/97	WGD	0.001 J	0.0359 U	0.0003 U	37.6	0.0392	0.0103 J	0.0139 J
LA-0168	04LA-98-0027	FILTERED	12/18/97	WGD	0.0002 U	0.0323 U	0.0003 U	24.6	0.0009 U	0.0008 U	0.0006 R
LA-0168	04LA-97-0628	FILTERED	12/20/97	WGD	0.00008 U	NA	0.0002 R	23.5	0.0012 U	0.0016 U	0.0032 J
LA-0168	04LA-98-0028	UNFILTERED	1/12/98	WGD	0.0579	0.306 J	0.003 U	1240	2.98	0.459 J	2.55
LA-0168	04LA-98-0029	FILTERED	1/12/98	WGD	0.0002 U	0.0651 U	0.0003 U	32	0.0009 U	0.00091 J	0.0032 J
LA-0168	04LA-98-0030	UNFILTERED	1/14/98	WGD	0.0056	0.426 J	0.0003 U	68.2	0.0631	0.036 J	0.243
LA-0168	04LA-98-0031	FILTERED	1/14/98	WGD	0.0002 U	0.064 U	0.0003 U	12	0.0042 U	0.0008 U	0.0028 J
LA-0168	04LA-98-0032	UNFILTERED	1/20/98	WGD	0.0015 J	0.0608 U	0.0003 U	70.3	0.0697	0.0409 J	0.301
LA-0168	04LA-98-0033	FILTERED	1/20/98	WGD	0.0002 U	0.0636 U	0.0003 U	27	0.0009 U	0.0008 U	0.0021 J

NOTES:

(a) All groundwater samples are grab samples collected using a bailer. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGD = Groundwater, Deep Well

(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

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Explanation of data qualifier flags:

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Analytical Data for R-9, Upper Los Alamos Canyon

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)
NM Ground Water Standard [c]					1	0.05	n.s.	0.2	0.002	1	0.2
LA-0168	04LA-97-0480	UNFILTERED	10/6/97	WGD	71.8	0.0734	24.000	1.13	0.00011 J	NA	0.0861
LA-0168	04LA-97-0481	FILTERED	10/6/97	WGD	0.0677 U	0.0016 U	5.350	0.048	0.00003 U	NA	0.002 J
LA-0168	04LA-97-0483	UNFILTERED	10/16/97	WGD	1670	0.2500	971.000	30.1	0.00029 J-	0.293	5.04
LA-0168	04LA-97-0486	UNFILTERED	10/20/97	WGD	703	0.1770	350.000 J	13.9	0.00018 J	NA	1.94
LA-0168	04LA-97-0487	FILTERED	10/20/97	WGD	0.921	0.0065 U	0.924 J	0.0198	0.00007	NA	0.0078 J
LA-0168	04LA-97-0627	UNFILTERED	12/20/97	WGD	36.6	0.0776 J	4.370 J	1.04	0.00004 U	NA	0.0442
LA-0168	04LA-98-0026	UNFILTERED	12/18/97	WGD	27.9	0.0167 J	5.960	0.716	0.00005 U	0.0485	0.0331 J
LA-0168	04LA-98-0027	FILTERED	12/18/97	WGD	0.0395 U	0.0014 R	1.330 J	0.162	0.00004 U	0.0505	0.002 J
LA-0168	04LA-97-0628	FILTERED	12/20/97	WGD	0.237	0.0013 UJ	2.150 J	0.516	0.00004 U	NA	0.0078 J
LA-0168	04LA-98-0028	UNFILTERED	1/12/98	WGD	1960	3.9300	176.000	42.3	0.00074	0.326	1.62
LA-0168	04LA-98-0029	FILTERED	1/12/98	WGD	0.358	0.0014 R	1.390 J	0.466	0.00005 U	0.126	0.0076 J
LA-0168	04LA-98-0030	UNFILTERED	1/14/98	WGD	74.7	0.0887	26.000	2.23	0.00006 U	0.137	0.139
LA-0168	04LA-98-0031	FILTERED	1/14/98	WGD	0.301	0.0014 R	0.440 U	0.0253	0.00004 U	0.0184	0.0046 J
LA-0168	04LA-98-0032	UNFILTERED	1/20/98	WGD	63.8	0.0300	24.100	1.14	0.00005 U	0.0115	0.149
LA-0168	04LA-98-0033	FILTERED	1/20/98	WGD	0.0753 U	0.0014 R	4.270 J	0.0485	0.00004 U	0.0085 J	0.0068 J

NOTES:

(a) All groundwater samples are grab samples collected using a bailer. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGD = Groundwater, Deep Well

(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

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R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

Analytical Data for R-9, Upper Los Alamos Canyon

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Thallium (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
NM Ground Water Standard [c]					n.s.	0.05	0.05	n.s.	n.s.	5	n.s.	10
LA-0168	04LA-97-0480	UNFILTERED	10/6/97	WGD	14.30	0.0045 J	0.0012 U	41.5	0.0055 J	0.00545	0.0666	0.29
LA-0168	04LA-97-0481	FILTERED	10/6/97	WGD	4.47 J	0.0027 U	0.0012 U	26.5	0.0053 J	0.00122	0.0013 J	0.006 J
LA-0168	04LA-97-0483	UNFILTERED	10/16/97	WGD	91.30	0.2140	2.9900	382.0	0.026 U	0.112	1.12	2.32
LA-0168	04LA-97-0486	UNFILTERED	10/20/97	WGD	52.80	0.0442	2.0500	189.0	0.013 U	NA	0.661	1.41
LA-0168	04LA-97-0487	FILTERED	10/20/97	WGD	3.97 J	0.0393	0.0007 U	76.5	0.0056 U	NA	0.0034 J	0.0127 J
LA-0168	04LA-97-0627	UNFILTERED	12/20/97	WGD	4.29 J	0.0034 J	0.0007 U	29.2	0.0113 U	0.00281	0.0118 J	0.0834
LA-0168	04LA-98-0026	UNFILTERED	12/18/97	WGD	5.06	0.0031 U	0.0009 U	29.5	0.0059 U	0.00281	0.0214 J	0.0544
LA-0168	04LA-98-0027	FILTERED	12/18/97	WGD	3.34 J	0.0031 U	0.0009 U	27.7	0.0038 U	0.00208	0.0008 U	0.0008 R
LA-0168	04LA-97-0628	FILTERED	12/20/97	WGD	3.35 J	0.0026 R	0.0007 U	28.5	0.0072 U	0.0217	0.0005 U	0.0012 J
LA-0168	04LA-98-0028	UNFILTERED	1/12/98	WGD	129.00	0.0422 J	0.0090 U	239.0	0.0706 J	0.02508	0.77	5.8
LA-0168	04LA-98-0029	FILTERED	1/12/98	WGD	25.10	0.0031 U	0.0009 U	156.0	0.0049 U	0.00217	0.0008 U	0.0035 J
LA-0168	04LA-98-0030	UNFILTERED	1/14/98	WGD	10.50	0.0060	0.0009 U	38.4	0.0038 U	0.00413	0.0604	0.398
LA-0168	04LA-98-0031	FILTERED	1/14/98	WGD	3.06 J	0.0082	0.0009 U	34.7	0.0038 U	0.00141	0.0018 J	0.0022 J
LA-0168	04LA-98-0032	UNFILTERED	1/20/98	WGD	6.37	0.0040 J	0.0009 U	30.6	0.0038 U	0.00203	0.0519	0.271
LA-0168	04LA-98-0033	FILTERED	1/20/98	WGD	3.72 J	0.0031 U	0.0009 U	19.9	0.0038 U	0.00163	0.0041 J	0.0008 R

NOTES:

(a) All groundwater samples are grab samples collected using a bailer. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGD = Groundwater, Deep Well

(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

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The associated numerical value is the detection limit.

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The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

J- = The analyte was positively identified, and the result is likely biased low.

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R = The data are rejected due to serious deficiencies in the ability to analyze the sample and meet quality criteria.

Analytical Data for R-9, Upper Los Alamos Canyon

Organic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Sample Depth (ft bgs)	Acetone (mg/L)	
NM Ground Water Standard [c]							n.s.[d]	
LA-0168	04LA-97-0480	UNFILTERED	10/6/97	WGD	Intermediate	180	0.018	U
LA-0168	04LA-97-0486	UNFILTERED	10/20/97	WGD	Intermediate	275	0.024	U
LA-0168	04LA-97-0627	UNFILTERED	12/20/97	WGD	Regional	579	0.160	J

NOTES:

(a) All groundwater samples are grab samples collected using a bailer. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.

(b) WGD = Groundwater, Deep Well

(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(d) n.s. = no standard. A numerical standard is not available.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.
J = The reported value is an estimated quantity.

Analytical Data for R-9, Upper Los Alamos Canyon

Radiochemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Sample Depth (ft bgs)	Americium-241 (pCi/L)			Gross Alpha Radiation (pCi/L)			Gross Beta Radiation (pCi/L)		
NM Ground Water Standard [c]							n.s.[d]			n.s.			n.s.		
LA-0168	04LA-97-0480	UNFILTERED	10/6/97	WGD	Intermediate	180	0.0920	(0.023)[f]		304	(28)		351.00	(29)	
LA-0168	04LA-97-0481	FILTERED	10/6/97	WGD	Intermediate	180	0.0370	(0.015)		0.57	(0.325)	U	3.90	(0.5)	
LA-0168	04LA-97-0483	UNFILTERED	10/16/97	WGD	Intermediate	275	0.1060	(0.047)	U	479	(49)		730.00	(60)	
LA-0168	04LA-97-0486	UNFILTERED	10/20/97	WGD	Intermediate	275	0.1220	(0.033)		63	(4.4)		67.10	(4.1)	
LA-0168	04LA-97-0487	FILTERED	10/20/97	WGD	Intermediate	275	0.0120	(0.014)		5.77	(0.62)		6.05	(0.75)	
LA-0168	04LA-97-0566	UNFILTERED	10/20/97	WGD	Intermediate	275	NA[e]			15	(1.85)		32.00	(2.6)	
LA-0168	04LA-97-0627	UNFILTERED	12/20/97	WGD	Regional	579	0.0040	(0.014)	U	4.08	(0.46)		7.60	(0.6)	
LA-0168	04LA-97-0628	FILTERED	12/20/97	WGD	Regional	579	0.0460	(0.021)	U	1.03	(0.25)		2.95	(0.38)	
LA-0168	04LA-98-0026	UNFILTERED	12/18/97	WGD	Regional	579	0.0290	(0.015)	U	1.9	(0.85)	J	3.70	(0.9)	
LA-0168	04LA-98-0027	FILTERED	12/18/97	WGD	Regional	579	0.0111	(0.009)	U	0.7	(0.5)	J	4.20	(0.85)	
LA-0168	04LA-98-0028	UNFILTERED	1/12/98	WGD	Regional	615	0.0130	(0.012)	U	580	(90)	J	820.00	(115)	
LA-0168	04LA-98-0029	FILTERED	1/12/98	WGD	Regional	615	0.0120	(0.011)	U	1.4	(0.65)	J	17.20	(1.25)	J
LA-0168	04LA-98-0030	UNFILTERED	1/14/98	WGD	Regional	624	0.0100	(0.016)	U	270	(60)		310.00	(50)	
LA-0168	04LA-98-0031	FILTERED	1/14/98	WGD	Regional	624	0.0190	(0.017)	U	1.2	(0.465)	J	3.30	(0.75)	
LA-0168	04LA-98-0032	UNFILTERED	1/20/98	WGD	Regional	688	0.0420	(0.017)	U	34	(17.5)	J	113.00	(21)	J
LA-0168	04LA-98-0033	FILTERED	1/20/98	WGD	Regional	688	0.0135	(0.0091)	U	-0.1	(0.65)	U	2.00	(0.75)	J

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Analytical Data for R-9, Upper Los Alamos Canyon

Radiochemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Gross Gamma Radiation (pCi/L)			Plutonium-238 (pCi/L)			Plutonium-239 (pCi/L)			Strontium-90 (pCi/L)		
NM Ground Water Standard [c]					n.s.			n.s.			n.s.			n.s.		
LA-0168	04LA-97-0480	UNFILTERED	10/6/97	WGD	212.0	(11.5)	J	0.0370	(0.022)	U	0.0310	(0.015)	U	0.47	(0.14)	U
LA-0168	04LA-97-0481	FILTERED	10/6/97	WGD	188.0	(15)	J	0.0390	(0.024)	U	0.0120	(0.012)	U	0.11	(0.125)	U
LA-0168	04LA-97-0483	UNFILTERED	10/16/97	WGD	266.0	(10)	J	0.7600	(0.13)		0.0110	(0.031)	U	0.52	(0.32)	U
LA-0168	04LA-97-0486	UNFILTERED	10/20/97	WGD	240.0	(19)	U	0.0100	(0.014)	U	0.0170	(0.014)	U	0.04	(0.15)	U
LA-0168	04LA-97-0487	FILTERED	10/20/97	WGD	250.5	(10.8)		0.0218	(0.0082)	U	0.0062	(0.0086)	J	0.0138	(0.07)	U
LA-0168	04LA-97-0566	UNFILTERED	10/20/97	WGD	NA			NA			NA			NA		
LA-0168	04LA-97-0627	UNFILTERED	12/20/97	WGD	188.0	(14)	J	0.0200	(0.015)	U	-0.0152	(0.0077)	U	0.026	(0.088)	U
LA-0168	04LA-97-0628	FILTERED	12/20/97	WGD	228.0	(18)	J	0.0080	(0.017)	U	-0.0032	(0.0085)	U	0.00516	(0.0866)	U
LA-0168	04LA-98-0026	UNFILTERED	12/18/97	WGD	274.0	(21)		0.0156	(0.0097)	U	-0.0074	(0.0065)	U	-0.42	(0.33)	U
LA-0168	04LA-98-0027	FILTERED	12/18/97	WGD	274.0	(21)		-0.0010	(0.02)	U	-0.0015	(0.0067)	U	-0.14	(0.345)	U
LA-0168	04LA-98-0028	UNFILTERED	1/12/98	WGD	340.0	(25)		0.0060	(0.011)	U	0.0000	(0.0077)	U	-0.23	(0.34)	U
LA-0168	04LA-98-0029	FILTERED	1/12/98	WGD	280.0	(21)		0.0090	(0.012)	U	0.0280	(0.013)	J	-0.21	(0.435)	U
LA-0168	04LA-98-0030	UNFILTERED	1/14/98	WGD	351.0	(25)		-0.0010	(0.0078)	U	0.0058	(0.0078)	U	-0.17	(0.32)	U
LA-0168	04LA-98-0031	FILTERED	1/14/98	WGD	178.0	(13)		0.0000	(0.012)	U	0.0080	(0.0081)	U	0.13	(0.315)	U
LA-0168	04LA-98-0032	UNFILTERED	1/20/98	WGD	237.0	(19)		0.0200	(0.014)	U	-0.0058	(0.0079)	U	0.36	(0.335)	U
LA-0168	04LA-98-0033	FILTERED	1/20/98	WGD	252.0	(19)		-0.0250	(0.012)	U	0.0127	(0.009)	U	-0.02	(0.42)	U

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Analytical Data for R-9, Upper Los Alamos Canyon

Radiochemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Tritium (pCi/L)			Uranium-234 (pCi/L)		Uranium-235 (pCi/L)			Uranium-238 (pCi/L)	
NM Ground Water Standard [c]					n.s.			n.s.		n.s.			n.s.	
LA-0168	04LA-97-0480	UNFILTERED	10/6/97	WGD	347	(13)		1.540	(0.14)	0.0430	(0.018)		1.36	(0.13)
LA-0168	04LA-97-0481	FILTERED	10/6/97	WGD	NA			0.529	(0.071)	0.0140	(0.014)	U	0.628	(0.078)
LA-0168	04LA-97-0483	UNFILTERED	10/16/97	WGD	106	(3)		7.940	(0.57)	0.3610	(0.074)		6.6	(0.49)
LA-0168	04LA-97-0486	UNFILTERED	10/20/97	WGD	NA			6.840	(0.48)	0.3370	(0.062)		4.98	(0.37)
LA-0168	04LA-97-0487	FILTERED	10/20/97	WGD	NA			3.190	(0.25)	0.1020	(0.031)	U	2.22	(0.19)
LA-0168	04LA-97-0566	UNFILTERED	10/20/97	WGD	NA			NA		NA			NA	
LA-0168	04LA-97-0627	UNFILTERED	12/20/97	WGD	7.9	(-1.7)	U	1.092	(0.097)	-0.0003	(0.0081)	U	0.761	(0.076)
LA-0168	04LA-97-0628	FILTERED	12/20/97	WGD	NA			0.773	(0.076)	0.0190	(0.011)	U	0.571	(0.062)
LA-0168	04LA-98-0026	UNFILTERED	12/18/97	WGD	2.71	(0.26)		1.350	(0.11)	0.0550	(0.019)	U	0.949	(0.09)
LA-0168	04LA-98-0027	FILTERED	12/18/97	WGD	NA			1.018	(0.096)	0.0420	(0.016)	U	0.87	(0.086)
LA-0168	04LA-98-0028	UNFILTERED	1/12/98	WGD	30.3	(0.9)		5.060	(0.34)	0.1320	(0.028)		2.81	(0.2)
LA-0168	04LA-98-0029	FILTERED	1/12/98	WGD	NA			1.300	(0.11)	0.0160	(0.013)	J	0.698	(0.073)
LA-0168	04LA-98-0030	UNFILTERED	1/14/98	WGD	13.9	(0.5)		2.140	(0.16)	0.1200	(0.027)		1.74	(0.14)
LA-0168	04LA-98-0031	FILTERED	1/14/98	WGD	NA			0.688	(0.077)	0.0300	(0.014)	U	0.449	(0.059)
LA-0168	04LA-98-0032	UNFILTERED	1/20/98	WGD	14.4	(0.5)		2.050	(0.16)	0.0330	(0.017)	U	1.47	(0.13)
LA-0168	04LA-98-0033	FILTERED	1/20/98	WGD	NA			1.260	(0.11)	0.0670	(0.02)		0.691	(0.074)

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Analytical Data for R-9, Upper Los Alamos Canyon

Water Quality Parameter Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Sample Depth (ft bgs)	Watershed	Bromide mg/L	Dissolved Organic Carbon mg/L	Total Organic Carbon mg/L	Chloride mg/L	Specific Conductance µmhos/cm	Total Cyanide mg/L	
NM Ground Water Standard [c]							n.s.[d]	n.s.	n.s.	250	n.s.	0.2	
LA-0168	04LA-97-0480	UNFILTERED	10/6/97	WGD	180	Intermediate	NA[e]	NA	9	NA	NA	0.01	U
LA-0168	04LA-97-0481	FILTERED	10/6/97	WGD	180	Intermediate	0.2	6.2	NA	29	NA	0.01	U
LA-0168	04LA-97-0483	UNFILTERED	10/16/97	WGD	275	Intermediate	NA	NA	NA	NA	223	NA	
LA-0168	04LA-97-0486	UNFILTERED	10/20/97	WGD	275	Intermediate	NA	NA	54.8	NA	NA	0.01	U
LA-0168	04LA-97-0487	FILTERED	10/20/97	WGD	275	Intermediate	NA	7.6	NA	NA	NA	0.01	U
LA-0168	CALA-98-1003	UNFILTERED	4/27/98	WGD	275	Intermediate	NA	NA	NA	NA	443	NA	
LA-0168	04LA-97-0627	UNFILTERED	12/20/97	WGD	579	Regional	NA	NA	16.1	NA	385	NA	
LA-0168	04LA-97-0628	FILTERED	12/20/97	WGD	579	Regional	0.2	5.6	NA	14.1	NA	0.01	U
LA-0168	04LA-98-0026	UNFILTERED	12/18/98	WGD	579	Regional	NA	NA	NA	NA	385	NA	
LA-0168	CALA-98-1002	UNFILTERED	4/27/98	WGD	579	Regional	NA	NA	NA	NA	385	NA	
LA-0168	04LA-97-0629	FILTERED	12/18/97	WGD	615	Regional	NA	NA	NA	NA	NA	NA	
LA-0168	04LA-98-0028	UNFILTERED	01/12/98	WGD	615	Regional	NA	NA	NA	NA	1080	NA	
LA-0168	04LA-98-0030	UNFILTERED	01/14/98	WGD	624	Regional	NA	NA	NA	NA	219	NA	
LA-0168	CALA-98-1004	UNFILTERED	4/27/98	WGD	624	Regional	NA	NA	NA	NA	219	NA	
LA-0168	04LA-98-0032	UNFILTERED	01/20/98	WGD	688	Regional	NA	NA	NA	NA	222	NA	
LA-0168	CALA-98-1005	UNFILTERED	4/27/98	WGD	688	Regional	NA	NA	NA	NA	222	NA	

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Analytical Data for R-9, Upper Los Alamos Canyon

Water Quality Parameter Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Delta deuterium mil	Delta O-18 mil	Fluoride mg/L	Humic Substances, Hydrophilic Acids mg/L	Humic Substances, Hydrophilic Bases mg/L		Humic Substances, Hydrophilic Neutrals mg/L
NM Ground Water Standard [c]					n.s.	n.s.	1.6	n.s.	n.s.		n.s.
LA-0168	04LA-97-0480	UNFILTERED	10/6/97	WGD	-73	-10.1	NA	NA	NA		NA
LA-0168	04LA-97-0481	FILTERED	10/6/97	WGD	NA	NA	NA	1.4	0.1		0.8
LA-0168	04LA-97-0483	UNFILTERED	10/16/97	WGD	-77	-11	NA	NA	NA		NA
LA-0168	04LA-97-0486	UNFILTERED	10/20/97	WGD	-74	-10.8	NA	NA	NA		NA
LA-0168	04LA-97-0487	FILTERED	10/20/97	WGD	NA	NA	NA	2.1	0.1	U	1.3
LA-0168	CALA-98-1003	UNFILTERED	4/27/98	WGD	-74	NA	NA	NA	NA		NA
LA-0168	04LA-97-0627	UNFILTERED	12/20/97	WGD	-71	-10.1	NA	NA	NA		NA
LA-0168	04LA-97-0628	FILTERED	12/20/97	WGD	NA	NA	1	1.3	0.2		0.7
LA-0168	04LA-98-0026	UNFILTERED	12/18/98	WGD	NA	NA	NA	NA	NA		NA
LA-0168	CALA-98-1002	UNFILTERED	4/27/98	WGD	-70	NA	NA	NA	NA		NA
LA-0168	04LA-97-0629	FILTERED	12/18/97	WGD	NA	NA	NA	NA	NA		NA
LA-0168	04LA-98-0028	UNFILTERED	01/12/98	WGD	NA	NA	NA	NA	NA		NA
LA-0168	04LA-98-0030	UNFILTERED	01/14/98	WGD	NA	NA	NA	NA	NA		NA
LA-0168	CALA-98-1004	UNFILTERED	4/27/98	WGD	-90	NA	NA	NA	NA		NA
LA-0168	04LA-98-0032	UNFILTERED	01/20/98	WGD	NA	NA	NA	NA	NA		NA
LA-0168	CALA-98-1005	UNFILTERED	4/27/98	WGD	75	NA	NA	NA	NA		NA

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Analytical Data for R-9, Upper Los Alamos Canyon

Water Quality Parameter Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Humic Substances, Hydrophilic Total mg/L	Humic Substances, Hydrophobic Acids mg/L	Humic Substances, Hydrophobic Bases mg/L		Humic Substances, Hydrophobic Neutrals mg/L	Humic Substances, Hydrophobic Total mg/L
NM Ground Water Standard [c]					n.s.	n.s.	n.s.		n.s.	n.s.
LA-0168	04LA-97-0480	UNFILTERED	10/6/97	WGD	NA	NA	NA		NA	NA
LA-0168	04LA-97-0481	FILTERED	10/6/97	WGD	2.3	1.8	0.1		2	3.9
LA-0168	04LA-97-0483	UNFILTERED	10/16/97	WGD	NA	NA	NA		NA	NA
LA-0168	04LA-97-0486	UNFILTERED	10/20/97	WGD	NA	NA	NA		NA	NA
LA-0168	04LA-97-0487	FILTERED	10/20/97	WGD	3.3	1.9	0.1	U	2.3	4.2
LA-0168	CALA-98-1003	UNFILTERED	4/27/98	WGD	NA	NA	NA		NA	NA
LA-0168	04LA-97-0627	UNFILTERED	12/20/97	WGD	NA	NA	NA		NA	NA
LA-0168	04LA-97-0628	FILTERED	12/20/97	WGD	3.4	1.4	0.1		1.9	2.3
LA-0168	04LA-98-0026	UNFILTERED	12/18/98	WGD	NA	NA	NA		NA	NA
LA-0168	CALA-98-1002	UNFILTERED	4/27/98	WGD	NA	NA	NA		NA	NA
LA-0168	04LA-97-0629	FILTERED	12/18/97	WGD	NA	NA	NA		NA	NA
LA-0168	04LA-98-0028	UNFILTERED	01/12/98	WGD	NA	NA	NA		NA	NA
LA-0168	04LA-98-0030	UNFILTERED	01/14/98	WGD	NA	NA	NA		NA	NA
LA-0168	CALA-98-1004	UNFILTERED	4/27/98	WGD	NA	NA	NA		NA	NA
LA-0168	04LA-98-0032	UNFILTERED	01/20/98	WGD	NA	NA	NA		NA	NA
LA-0168	CALA-98-1005	UNFILTERED	4/27/98	WGD	NA	NA	NA		NA	NA

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Analytical Data for R-9, Upper Los Alamos Canyon

Water Quality Parameter Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Nitrogen, Ammonia (Expressed as N) mg/L	Nitrogen, Nitrate (Expressed as N) mg/L		Nitrogen, Nitrite (Expressed as N) mg/L	Nitrogen-15/Nitrogen-14	Oxygen-18/Oxygen-16	pH SU
NM Ground Water Standard [c]					n.s.	10		n.s.	n.s.	n.s.	n.s.
LA-0168	04LA-97-0480	UNFILTERED	10/6/97	WGD	NA	0.1	U	NA	NA	NA	8.3
LA-0168	04LA-97-0481	FILTERED	10/6/97	WGD	NA	NA		NA	NA	NA	NA
LA-0168	04LA-97-0483	UNFILTERED	10/16/97	WGD	NA	NA		NA	NA	NA	8.79
LA-0168	04LA-97-0486	UNFILTERED	10/20/97	WGD	NA	NA		NA	NA	NA	NA
LA-0168	04LA-97-0487	FILTERED	10/20/97	WGD	NA	NA		NA	NA	NA	NA
LA-0168	CALA-98-1003	UNFILTERED	4/27/98	WGD	NA	NA		NA	NA	-9.8	8.79
LA-0168	04LA-97-0627	UNFILTERED	12/20/97	WGD	NA	NA		NA	NA	NA	7.9
LA-0168	04LA-97-0628	FILTERED	12/20/97	WGD	NA	2.8	J	NA	NA	NA	NA
LA-0168	04LA-98-0026	UNFILTERED	12/18/98	WGD	NA	NA		NA	NA	NA	7.9
LA-0168	CALA-98-1002	UNFILTERED	4/27/98	WGD	NA	NA		NA	NA	-9.7	7.9
LA-0168	04LA-97-0629	FILTERED	12/18/97	WGD	NA	NA		NA	NA	NA	6.95
LA-0168	04LA-98-0028	UNFILTERED	01/12/98	WGD	NA	NA		NA	NA	NA	6.95
LA-0168	04LA-98-0030	UNFILTERED	01/14/98	WGD	NA	NA		NA	NA	NA	8.32
LA-0168	CALA-98-1004	UNFILTERED	4/27/98	WGD	NA	NA		NA	NA	-12.3	8.32
LA-0168	04LA-98-0032	UNFILTERED	01/20/98	WGD	NA	NA		NA	NA	NA	8.07
LA-0168	CALA-98-1005	UNFILTERED	4/27/98	WGD	NA	NA		NA	NA	-10.5	8.07

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Analytical Data for R-9, Upper Los Alamos Canyon

Water Quality Parameter Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Phosphorus, Orthophosphate (Expressed as PO4) mg/L		Silica mg/L	Sulfate mg/L
NM Ground Water Standard [c]					n.s.		n.s.	600
LA-0168	04LA-97-0480	UNFILTERED	10/6/97	WGD	NA		NA	NA
LA-0168	04LA-97-0481	FILTERED	10/6/97	WGD	0.1	U	NA	8.3
LA-0168	04LA-97-0483	UNFILTERED	10/16/97	WGD	NA		NA	NA
LA-0168	04LA-97-0486	UNFILTERED	10/20/97	WGD	NA		NA	NA
LA-0168	04LA-97-0487	FILTERED	10/20/97	WGD	NA		NA	NA
LA-0168	CALA-98-1003	UNFILTERED	4/27/98	WGD	NA		NA	NA
LA-0168	04LA-97-0627	UNFILTERED	12/20/97	WGD	NA		NA	NA
LA-0168	04LA-97-0628	FILTERED	12/20/97	WGD	0.1	U	24.1	15.8
LA-0168	04LA-98-0026	UNFILTERED	12/18/98	WGD	NA		NA	NA
LA-0168	CALA-98-1002	UNFILTERED	4/27/98	WGD	NA		NA	NA
LA-0168	04LA-97-0629	FILTERED	12/18/97	WGD	NA		NA	NA
LA-0168	04LA-98-0028	UNFILTERED	01/12/98	WGD	NA		NA	NA
LA-0168	04LA-98-0030	UNFILTERED	01/14/98	WGD	NA		NA	NA
LA-0168	CALA-98-1004	UNFILTERED	4/27/98	WGD	NA		NA	NA
LA-0168	04LA-98-0032	UNFILTERED	01/20/98	WGD	NA		NA	NA
LA-0168	CALA-98-1005	UNFILTERED	4/27/98	WGD	NA		NA	NA

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Analytical Data for R-12, Upper Sandia Canyon

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Groundwater Zone	Sample Depth (ft bgs)	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)
NM Ground Water Standard [c]							5	n.s.[d]	0.1	1	n.s.	0.75	0.01
SA-0006	CASA-98-0009	FILTERED	4/13/98	WGD	Intermediate	443	NA[e]	NA	NA	NA	NA	NA	NA
SA-0006	CASA-98-0010	UNFILTERED	4/13/98	WGD	Intermediate	443	NA	NA	NA	NA	NA	NA	NA
SA-0006	CASA-98-0065	UNFILTERED	6/9/98	WGD	Intermediate	443	0.598 U	0.0052 U	0.0017 U	0.0084 J	0.0001 R	0.0894 J	0.0003
SA-0006	CASA-98-0066	FILTERED	6/9/98	WGD	Intermediate	443	0.0622 U	0.0052 U	0.0017 U	0.0066 U	0.0001 R	0.08 J	0.0003
SA-0006	CASA-98-0060	FILTERED	4/29/98	WGD	Intermediate	464	0.0824 U	0.0052 U	0.0017 U	0.0327 J	0.0001 R	0.174	0.0003
SA-0006	CASA-98-0063	UNFILTERED	4/30/98	WGD	Intermediate	495	96.2	0.0052 U	0.0312	1.03	0.0072	0.141	0.0006
SA-0006	CASA-98-0064	FILTERED	4/30/98	WGD	Intermediate	495	0.0682 U	0.0052 U	0.0021 J	0.0269 J	0.0001 R	0.0958 J	0.0003
SA-0006	CASA-98-0058	UNFILTERED	6/8/98	WGD	Regional	805	NA	NA	NA	NA	NA	NA	NA
SA-0006	CASA-98-0059	FILTERED	6/8/98	WGD	Regional	805	NA	NA	NA	NA	NA	NA	NA
SA-0006	CASA-98-0067	UNFILTERED	6/8/98	WGD	Regional	805	1.16	0.0052 U	0.0021 J	0.0982 J	0.0001 R	0.0466 U	0.0003
SA-0006	CASA-98-0068	FILTERED	6/8/98	WGD	Regional	805	0.0712 U	0.0052 U	0.0032 J	0.0835 J	0.0001 R	0.0424 J	0.0003

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Analytical Data for R-12, Upper Sandia Canyon

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Calcium (mg/L)	Chromium, Total (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)
NM Ground Water Standard [c]					n.s.	0.05	0.05	1	1	0.05	n.s.	0.2
SA-0006	CASA-98-0009	FILTERED	4/13/98	WGD	NA	NA	NA	NA	NA	NA	NA	NA
SA-0006	CASA-98-0010	UNFILTERED	4/13/98	WGD	NA	NA	NA	NA	NA	NA	NA	NA
SA-0006	CASA-98-0065	UNFILTERED	6/9/98	WGD	U 48.9	0.00056 J	0.0014 J	0.0092 J	0.596	0.0013 U	13.200	0.0355
SA-0006	CASA-98-0066	FILTERED	6/9/98	WGD	U 46.4	0.0005 R	0.0007 U	0.0081 J	0.0583 U	0.0013 U	12.300	0.0252
SA-0006	CASA-98-0060	FILTERED	4/29/98	WGD	U 23.9	0.0005 R	0.0013 J	0.003 J	0.0667 U	0.0013 U	6.470	0.144
SA-0006	CASA-98-0063	UNFILTERED	4/30/98	WGD	U 117	0.216	0.127	0.654	294	0.168	67.500	5.01
SA-0006	CASA-98-0064	FILTERED	4/30/98	WGD	U 40.9	0.0005 R	0.0026 J	0.0023 J	0.066 U	0.0013 U	11.100	0.45
SA-0006	CASA-98-0058	UNFILTERED	6/8/98	WGD	NA	NA	NA	NA	NA	NA	NA	NA
SA-0006	CASA-98-0059	FILTERED	6/8/98	WGD	NA	NA	NA	NA	NA	NA	NA	NA
SA-0006	CASA-98-0067	UNFILTERED	6/8/98	WGD	U 31.4	0.0037 J	0.0011 J	0.0038 J	1.36	0.0013 U	5.940	0.0526
SA-0006	CASA-98-0068	FILTERED	6/8/98	WGD	U 29.9	0.0012 J	0.0007 U	0.0047 J	0.0593 U	0.0013 U	5.640	0.0305

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Analytical Data for R-12, Upper Sandia Canyon

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Thallium (mg/L)
NM Ground Water Standard [c]					0.002	1	0.2	n.s.	0.05	0.05	n.s.	n.s.
SA-0006	CASA-98-0009	FILTERED	4/13/98	WGD	NA	NA	NA	NA	NA	NA	NA	NA
SA-0006	CASA-98-0010	UNFILTERED	4/13/98	WGD	NA	NA	NA	NA	NA	NA	NA	NA
SA-0006	CASA-98-0065	UNFILTERED	6/9/98	WGD	0.00002 R	0.0089 J	0.0093 J	3.50 J	0.0048 J	0.0012 U	19.1	0.0052 U
SA-0006	CASA-98-0066	FILTERED	6/9/98	WGD	0.00002 R	0.0093 J	0.0072 J	3.40 J	0.0031 U	0.0012 U	18.9	0.0076 J
SA-0006	CASA-98-0060	FILTERED	4/29/98	WGD	0.00002 R	0.0544	0.0098 J	63.60	0.0031 U	0.0012 U	175.0	0.0091 J
SA-0006	CASA-98-0063	UNFILTERED	4/30/98	WGD	0.00005 J	0.0222	0.319	21.20	0.0159	0.1280	37.2	0.0104 U
SA-0006	CASA-98-0064	FILTERED	4/30/98	WGD	0.00002 R	0.0075	0.0126 J	5.71	0.0031 U	0.0012 U	29.7	0.0058 J
SA-0006	CASA-98-0058	UNFILTERED	6/8/98	WGD	NA	NA	NA	NA	NA	NA	NA	NA
SA-0006	CASA-98-0059	FILTERED	6/8/98	WGD	NA	NA	NA	NA	NA	NA	NA	NA
SA-0006	CASA-98-0067	UNFILTERED	6/8/98	WGD	0.00002 R	0.0079 J	0.0066 J	4.69 J	0.0038 J	0.0012 U	20.5	0.0068 J
SA-0006	CASA-98-0068	FILTERED	6/8/98	WGD	0.00002 R	0.0057 J	0.0043 J	4.71 J	0.0031 U	0.0012 U	20.8	0.0052 U

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Analytical Data for R-12, Upper Sandia Canyon

Inorganic Chemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
NM Ground Water Standard [c]					5	n.s.	10
SA-0006	CASA-98-0009	FILTERED	4/13/98	WGD	0.00251	NA	NA
SA-0006	CASA-98-0010	UNFILTERED	4/13/98	WGD	0.00256	NA	NA
SA-0006	CASA-98-0065	UNFILTERED	6/9/98	WGD	NA	0.0043 J	0.133
SA-0006	CASA-98-0066	FILTERED	6/9/98	WGD	NA	0.003 J	0.107
SA-0006	CASA-98-0060	FILTERED	4/29/98	WGD	0.00204	0.0008 U	0.0069 J
SA-0006	CASA-98-0063	UNFILTERED	4/30/98	WGD	0.0102	0.192	1.78
SA-0006	CASA-98-0064	FILTERED	4/30/98	WGD	0.00246	0.0008 U	0.0111 J
SA-0006	CASA-98-0058	UNFILTERED	6/8/98	WGD	0.00426	NA	NA
SA-0006	CASA-98-0059	FILTERED	6/8/98	WGD	0.00408	NA	NA
SA-0006	CASA-98-0067	UNFILTERED	6/8/98	WGD	NA	0.011 J	0.0112 J
SA-0006	CASA-98-0068	FILTERED	6/8/98	WGD	NA	0.0097 J	0.0077 J

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Analytical Data for R-12, Upper Sandia Canyon

Radiochemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Watershed	Sample Depth (ft bgs)	Americium-241 (pCi/L)			Gross Alpha Radiation (pCi/L)		Gross Beta Radiation (pCi/L)	
NM Ground Water Standard [c]							n.s.[d]			n.s.		n.s.	
SA-0006	CASA-98-0009	FILTERED	4/13/98	WGD	Intermediate	443	0.0320	(0.016)[f]	J	2	(1.1)	4.00	(1.4)
SA-0006	CASA-98-0010	UNFILTERED	4/13/98	WGD	Intermediate	443	0.0168	(0.0096)	U	2.2	(1.3)	4.90	(1.5)
SA-0006	CASA-98-0060	FILTERED	4/29/98	WGD	Intermediate	464	0.0320	(0.017)	U	NA[e]		NA	
SA-0006	CASA-98-0063	UNFILTERED	4/30/98	WGD	Intermediate	495	0.0152	(0.0097)	U	24.4	(2.05)	27.20	(2)
SA-0006	CASA-98-0064	FILTERED	4/30/98	WGD	Intermediate	495	0.0080	(0.011)	U	2.75	(0.315)	4.48	(0.445)
SA-0006	CASA-98-0058	UNFILTERED	6/8/98	WGD	Regional	805	0.0127	(0.0085)	U	5.52	(0.46)	6.00	(0.5)
SA-0006	CASA-98-0059	FILTERED	6/8/98	WGD	Regional	805	0.0340	(0.018)	U	2.55	(0.37)	4.50	(0.47)

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Analytical Data for R-12, Upper Sandia Canyon

Radiochemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Gross Gamma Radiation (pCi/L)			Plutonium-238 (pCi/L)			Plutonium-239 (pCi/L)			Strontium-90 (pCi/L)		
NM Ground Water Standard [c]					n.s.			n.s.			n.s.			n.s.		
SA-0006	CASA-98-0009	FILTERED	4/13/98	WGD	135.0	(7)	J	-0.0070	(0.015)	U	0.0110	(0.013)	U	-0.52	(0.41)	U
SA-0006	CASA-98-0010	UNFILTERED	4/13/98	WGD	111.0	(6.5)	J	-0.0145	(0.0085)	U	0.0230	(0.013)	U	0.47	(0.375)	J
SA-0006	CASA-98-0060	FILTERED	4/29/98	WGD	232.0	(9)		0.0100	(0.015)	U	0.0160	(0.015)	U	-0.2	(0.35)	U
SA-0006	CASA-98-0063	UNFILTERED	4/30/98	WGD	226.0	(9)		-0.0110	(0.01)	U	0.0036	(0.0089)	U	-0.04	(0.355)	U
SA-0006	CASA-98-0064	FILTERED	4/30/98	WGD	225.0	(9)		0.0010	(0.011)	U	-0.0004	(0.0086)	U	0.04	(0.355)	U
SA-0006	CASA-98-0058	UNFILTERED	6/8/98	WGD	213.0	(17)		-0.0024	(0.0087)	U	0.0015	(0.0087)	U	0.16	(0.33)	U
SA-0006	CASA-98-0059	FILTERED	6/8/98	WGD	210.0	(17)		0.0006	(0.0098)	U	0.0082	(0.008)	U	-0.31	(0.3)	U

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Analytical Data for R-12, Upper Sandia Canyon

Radiochemical Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Tritium (pCi/L)		Uranium-234 (pCi/L)			Uranium-235 (pCi/L)			Uranium-238 (pCi/L)		
NM Ground Water Standard [c]					n.s.		n.s.			n.s.			n.s.		
SA-0006	CASA-98-0009	FILTERED	4/13/98	WGD	NA		1.530	(0.12)		0.0520	(0.016)		0.962	(0.086)	
SA-0006	CASA-98-0010	UNFILTERED	4/13/98	WGD	254.7	(8.3)	1.740	(0.13)		0.0610	(0.017)		0.926	(0.083)	
SA-0006	CASA-98-0060	FILTERED	4/29/98	WGD	208.1	(3.5)	2.930	(0.21)	J	0.1340	(0.029)	J	0.703	(0.074)	J
SA-0006	CASA-98-0063	UNFILTERED	4/30/98	WGD	249.3	(4.2)	2.560	(0.19)		0.0850	(0.024)		1.15	(0.1)	
SA-0006	CASA-98-0064	FILTERED	4/30/98	WGD	NA		2.170	(0.17)		0.0390	(0.016)	J	0.948	(0.091)	
SA-0006	CASA-98-0058	UNFILTERED	6/8/98	WGD	46.9	(0.8)	2.390	(0.18)		0.0700	(0.021)		1.32	(0.11)	
SA-0006	CASA-98-0059	FILTERED	6/8/98	WGD	NA		2.080	(0.16)		0.1430	(0.029)		1.42	(0.12)	

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Analytical Data for R-12, Upper Sandia Canyon

Water Quality Parameter Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Sample Depth (ft bgs)	Watershed	Bromide mg/L		Dissolved Organic Carbon mg/L	Total Organic Carbon mg/L	Chloride mg/L	Specific Conductance µmhos/cm	Total Cyanide mg/L	
NM Ground Water Standard [c]							n.s.[d]		n.s.	n.s.	250	n.s.	0.2	
SA-0006	CASA-98-0009	FILTERED	4/13/98	WGD	443	Intermediate	NA[e]		4.5	NA	NA	NA	0.01	U
SA-0006	CASA-98-0010	UNFILTERED	4/13/98	WGD	443	Intermediate	NA		NA	6.1	NA	376	0.01	U
SA-0006	CASA-98-0035	UNFILTERED	5/28/98	WGD	443	Intermediate	NA		NA	NA	NA	376	NA	
SA-0006	CASA-98-0065	UNFILTERED	6/9/98	WGD	443	Intermediate	0.24		NA	NA	35	376	NA	
SA-0006	CASA-98-0066	FILTERED	6/9/98	WGD	443	Intermediate	0.2	U	NA	NA	34	NA	NA	
SA-0006	CASA-98-0036	UNFILTERED	5/28/98	WGD	464	Intermediate	NA		NA	NA	NA	1381	NA	
SA-0006	CASA-98-0060	FILTERED	4/29/98	WGD	464	Intermediate	0.29		NA	NA	200	NA	NA	
SA-0006	CASA-98-0061	UNFILTERED	4/29/98	WGD	464	Intermediate	NA		NA	NA	NA	1381	NA	
SA-0006	CASA-98-0063	UNFILTERED	4/30/98	WGD	495	Intermediate	0.21		NA	27.2	40	365	0.01	U
SA-0006	CASA-98-0064	FILTERED	4/30/98	WGD	495	Intermediate	0.23		3.2	NA	40	NA	0.01	U
SA-0006	CASA-98-0058	UNFILTERED	6/8/98	WGD	805	Regional	NA		NA	22.7	NA	279	0.01	U
SA-0006	CASA-98-0059	FILTERED	6/8/98	WGD	805	Regional	NA		4	NA	NA	NA	0.01	U
SA-0006	CASA-98-0067	UNFILTERED	6/8/98	WGD	805	Regional	0.2	U	NA	NA	9.6	279	NA	
SA-0006	CASA-98-0068	FILTERED	6/8/98	WGD	805	Regional	0.2	U	NA	NA	9.8	NA	NA	

NOTES:

(a) All groundwater samples are grab samples collected using a bailer. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.
(b) WGD = Groundwater, Deep Well
(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.
(d) n.s. = no standard. A numerical standard is not available.
(e) NA = not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.
UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.
J = The reported value is an estimated quantity.

Analytical Data for R-12, Upper Sandia Canyon

Water Quality Parameter Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Delta deuterium mil	Delta O-18 mil	Fluoride mg/L	Humic Substances, Hydrophilic Acids mg/L	Humic Substances, Hydrophilic Bases mg/L		Humic Substances, Hydrophilic Neutrals mg/L
NM Ground Water Standard [c]					n.s.	n.s.	1.6	n.s.	n.s.		n.s.
SA-0006	CASA-98-0009	FILTERED	4/13/98	WGD	NA	NA	NA	1	0.1	U	0.1
SA-0006	CASA-98-0010	UNFILTERED	4/13/98	WGD	-76	-10.6	NA	NA	NA		NA
SA-0006	CASA-98-0035	UNFILTERED	5/28/98	WGD	NA	NA	NA	NA	NA		NA
SA-0006	CASA-98-0065	UNFILTERED	6/9/98	WGD	NA	NA	NA	NA	NA		NA
SA-0006	CASA-98-0066	FILTERED	6/9/98	WGD	NA	NA	NA	NA	NA		NA
SA-0006	CASA-98-0036	UNFILTERED	5/28/98	WGD	NA	NA	NA	NA	NA		NA
SA-0006	CASA-98-0060	FILTERED	4/29/98	WGD	NA	NA	NA	NA	NA		NA
SA-0006	CASA-98-0061	UNFILTERED	4/29/98	WGD	NA	NA	NA	NA	NA		NA
SA-0006	CASA-98-0063	UNFILTERED	4/30/98	WGD	-77	NA	NA	NA	NA		NA
SA-0006	CASA-98-0064	FILTERED	4/30/98	WGD	NA	NA	NA	1.1	0.1	U	0.2
SA-0006	CASA-98-0058	UNFILTERED	6/8/98	WGD	-72	NA	NA	NA	NA		NA
SA-0006	CASA-98-0059	FILTERED	6/8/98	WGD	NA	NA	NA	0.7	0.1	U	1.2
SA-0006	CASA-98-0067	UNFILTERED	6/8/98	WGD	NA	NA	NA	NA	NA		NA
SA-0006	CASA-98-0068	FILTERED	6/8/98	WGD	NA	NA	NA	NA	NA		NA

NOTES:

(a) All groundwater samples are grab samples collected using a bailer. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.
(b) WGD = Groundwater, Deep Well
(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.
(d) n.s. = no standard. A numerical standard is not available.
(e) NA = not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.
UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.
J = The reported value is an estimated quantity.

Analytical Data for R-12, Upper Sandia Canyon

Water Quality Parameter Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Humic Substances, Hydrophilic Total mg/L	Humic Substances, Hydrophobic Acids mg/L	Humic Substances, Hydrophobic Bases mg/L		Humic Substances, Hydrophobic Neutrals mg/L	Humic Substances, Hydrophobic Total mg/L
NM Ground Water Standard [c]					n.s.	n.s.	n.s.		n.s.	n.s.
SA-0006	CASA-98-0009	FILTERED	4/13/98	WGD	1.1	1	0.1	U	2.4	3.4
SA-0006	CASA-98-0010	UNFILTERED	4/13/98	WGD	NA	NA	NA		NA	NA
SA-0006	CASA-98-0035	UNFILTERED	5/28/98	WGD	NA	NA	NA		NA	NA
SA-0006	CASA-98-0065	UNFILTERED	6/9/98	WGD	NA	NA	NA		NA	NA
SA-0006	CASA-98-0066	FILTERED	6/9/98	WGD	NA	NA	NA		NA	NA
SA-0006	CASA-98-0036	UNFILTERED	5/28/98	WGD	NA	NA	NA		NA	NA
SA-0006	CASA-98-0060	FILTERED	4/29/98	WGD	NA	NA	NA		NA	NA
SA-0006	CASA-98-0061	UNFILTERED	4/29/98	WGD	NA	NA	NA		NA	NA
SA-0006	CASA-98-0063	UNFILTERED	4/30/98	WGD	NA	NA	NA		NA	NA
SA-0006	CASA-98-0064	FILTERED	4/30/98	WGD	1.3	0.7	0.1	U	1.2	2
SA-0006	CASA-98-0058	UNFILTERED	6/8/98	WGD	NA	NA	NA		NA	NA
SA-0006	CASA-98-0059	FILTERED	6/8/98	WGD	1.9	0.8	0.1	U	1.2	2.1
SA-0006	CASA-98-0067	UNFILTERED	6/8/98	WGD	NA	NA	NA		NA	NA
SA-0006	CASA-98-0068	FILTERED	6/8/98	WGD	NA	NA	NA		NA	NA

NOTES:

(a) All groundwater samples are grab samples collected using a bailer. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.
(b) WGD = Groundwater, Deep Well
(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.
(d) n.s. = no standard. A numerical standard is not available.
(e) NA = not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.
UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.
J = The reported value is an estimated quantity.

Analytical Data for R-12, Upper Sandia Canyon

Water Quality Parameter Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Nitrogen, Ammonia (Expressed as N) mg/L		Nitrogen, Nitrate (Expressed as N) mg/L		Nitrogen, Nitrite (Expressed as N) mg/L		Nitrogen-15/Nitrogen-14 NA	Oxygen-18/Oxygen-16 NA	pH SU
NM Ground Water Standard [c]					n.s.		10		n.s.		n.s.	n.s.	n.s.
SA-0006	CASA-98-0009	FILTERED	4/13/98	WGD	NA		NA		NA		NA	NA	NA
SA-0006	CASA-98-0010	UNFILTERED	4/13/98	WGD	NA		NA		NA		NA	NA	7.65
SA-0006	CASA-98-0035	UNFILTERED	5/28/98	WGD	NA		NA		NA		14.8	-10.9	7.65
SA-0006	CASA-98-0065	UNFILTERED	6/9/98	WGD	0.5	U	4.9	J	0.12	J	NA	NA	7.65
SA-0006	CASA-98-0066	FILTERED	6/9/98	WGD	0.5	U	4.9	J	0.11	J	NA	NA	NA
SA-0006	CASA-98-0036	UNFILTERED	5/28/98	WGD	NA		NA		NA		21.3	-10.4	7.65
SA-0006	CASA-98-0060	FILTERED	4/29/98	WGD	17	J	0.2	UJ	0.51	J	NA	NA	NA
SA-0006	CASA-98-0061	UNFILTERED	4/29/98	WGD	19	J	NA		NA		16.3	-11	7.65
SA-0006	CASA-98-0063	UNFILTERED	4/30/98	WGD	0.5	U	1.3	J	0.43	J	20.4	-10.6	NA
SA-0006	CASA-98-0064	FILTERED	4/30/98	WGD	0.5	U	2.4	J	0.73	J	NA	NA	8.25
SA-0006	CASA-98-0058	UNFILTERED	6/8/98	WGD	NA		NA		NA		11.3	-10.8	7.64
SA-0006	CASA-98-0059	FILTERED	6/8/98	WGD	NA		NA		NA		NA	NA	NA
SA-0006	CASA-98-0067	UNFILTERED	6/8/98	WGD	0.5	U	0.57	J	0.1	UJ	NA	NA	7.64
SA-0006	CASA-98-0068	FILTERED	6/8/98	WGD	0.5	U	0.56	J	0.1	UJ	NA	NA	NA

NOTES:

(a) All groundwater samples are grab samples collected using a bailer. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.
(b) WGD = Groundwater, Deep Well
(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.
(d) n.s. = no standard. A numerical standard is not available.
(e) NA = not analyzed

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The associated numerical value is the estimated detection limit.
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Analytical Data for R-12, Upper Sandia Canyon

Water Quality Parameter Results

Location ID	Sample ID	Field Preparation[a]	Collection Date	Media Code[b]	Phosphorus, Orthophosphate (Expressed as PO4) mg/L	Silica mg/L	Sulfate mg/L
NM Ground Water Standard [c]					n.s.	n.s.	600
SA-0006	CASA-98-0009	FILTERED	4/13/98	WGD	NA	NA	NA
SA-0006	CASA-98-0010	UNFILTERED	4/13/98	WGD	NA	NA	NA
SA-0006	CASA-98-0035	UNFILTERED	5/28/98	WGD	NA	NA	NA
SA-0006	CASA-98-0065	UNFILTERED	6/9/98	WGD	NA	NA	25
SA-0006	CASA-98-0066	FILTERED	6/9/98	WGD	NA	NA	25
SA-0006	CASA-98-0036	UNFILTERED	5/28/98	WGD	NA	NA	NA
SA-0006	CASA-98-0060	FILTERED	4/29/98	WGD	NA	NA	190
SA-0006	CASA-98-0061	UNFILTERED	4/29/98	WGD	NA	NA	NA
SA-0006	CASA-98-0063	UNFILTERED	4/30/98	WGD	NA	NA	29
SA-0006	CASA-98-0064	FILTERED	4/30/98	WGD	NA	NA	29
SA-0006	CASA-98-0058	UNFILTERED	6/8/98	WGD	NA	NA	NA
SA-0006	CASA-98-0059	FILTERED	6/8/98	WGD	NA	NA	NA
SA-0006	CASA-98-0067	UNFILTERED	6/8/98	WGD	NA	NA	9.3
SA-0006	CASA-98-0068	FILTERED	6/8/98	WGD	NA	NA	9.3

NOTES:

(a) All groundwater samples are grab samples collected using a bailer. Water samples were filtered through a 0.45 micron filter using a peristaltic pump.
(b) WGD = Groundwater, Deep Well
(c) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.
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(e) NA = not analyzed

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J = The reported value is an estimated quantity.

Attachment I

Analytical Methods

ANALYTE SUITES, METHODS, AND METHOD DESCRIPTIONS

Analyte Suite	Method	Method Description
Organics		
Volatile organic compounds	SW-846 8270	Gas Chromatography/ Mass Spectrometry (GC/MS)
Pesticides / PCBs	SW-846 8082	Gas Chromatography/ Electron Capture Detector (GC/ECD)
Poly-aromatic hydrocarbons	SW-846 Method 8310	High Performance Liquid Chromatography (HPLC)
Inorganics		
Metals digestion (excluding Hg)	SW-846 3051	Microwave Assisted Digestion
	SW-846 3050	Hot Plate Digestion
Target Analyte Metals, including Mo (excluding Hg, As, Pb, Se, and Tl)	SW-846 6010A	Inductively-Coupled Plasma Atomic Emission Spectroscopy (ICPES)
As, Pb, Se, Tl	SW-846 7060A (As), 7421 (Pb), 7740 (Se), and 7841 (Tl)	Graphite Furnace Atomic Absorption (GFAA)
Hg	7471A	Cold Vapor Atomic Absorption (CVAA)
Cyanide (CN)	SW-846 Method 9010	Colorimetric
Total Uranium	SW-846 Method 3052/ASTM D5174-91	Kinetic Phosphorescence Analysis (KPA)
Radionuclides		
^{238}Pu, $^{239,240}Pu$	905.0 (Modified)	Alpha Spectrometry
^{241}Am	905.0 (Modified)	Alpha Spectrometry
^{234}U, ^{235}U, ^{238}U	905.0 (Modified)	Alpha Spectrometry
Standard Gamma Spectrometry Analytes*	901.1 (Modified)	Gamma Spectrometry
Gross Alpha/Beta	900.0/9310 (Modified)	Gas Proportional Counting
Gross Gamma	N/A	Gamma Spectrometry
^{90}Sr	905.0 (Modified)	Alpha Spectrometry
^{3}H (Tritium)	906.0 (Modified)	Liquid Scintillation (LS)
Low level ^{3}H	906.0 (Modified)	Electrolytic Enrichment / LS
Water Quality Parameters		
Total organic carbon (TOC)	EPA Method 415.1 (Modified)	Combustion or oxidation
Anions (Br, Cl, F, SO_4, NO_3, NO_2)	EPA Method 300.0	Ion Chromatography
Ammonia	EPA Method 350.3	Ion-specific Electrode
Silica	EPA Method 370.1	Colorimetric
Conductivity	EPA Method 120.1	Conductance
pH	EPA Method 150.1	Potentiometry
Nitrate + Nitrite	EPA Method353.2	Hydrazine Reduction
Humic Acids	USGS/WRI/79-4	High Temperature Coulometry
Nitrogen Isotopes	Coastal Science Laboratories Method	Isotope Ratio Mass Spectrometry
Hydrogen Isotopes	Geochron Laboratories Method	Isotope Ratio Mass Spectrometry
Oxygen Isotopes	Geochron Laboratories Method	Isotope Ratio Mass Spectrometry

Attachment II

Maps

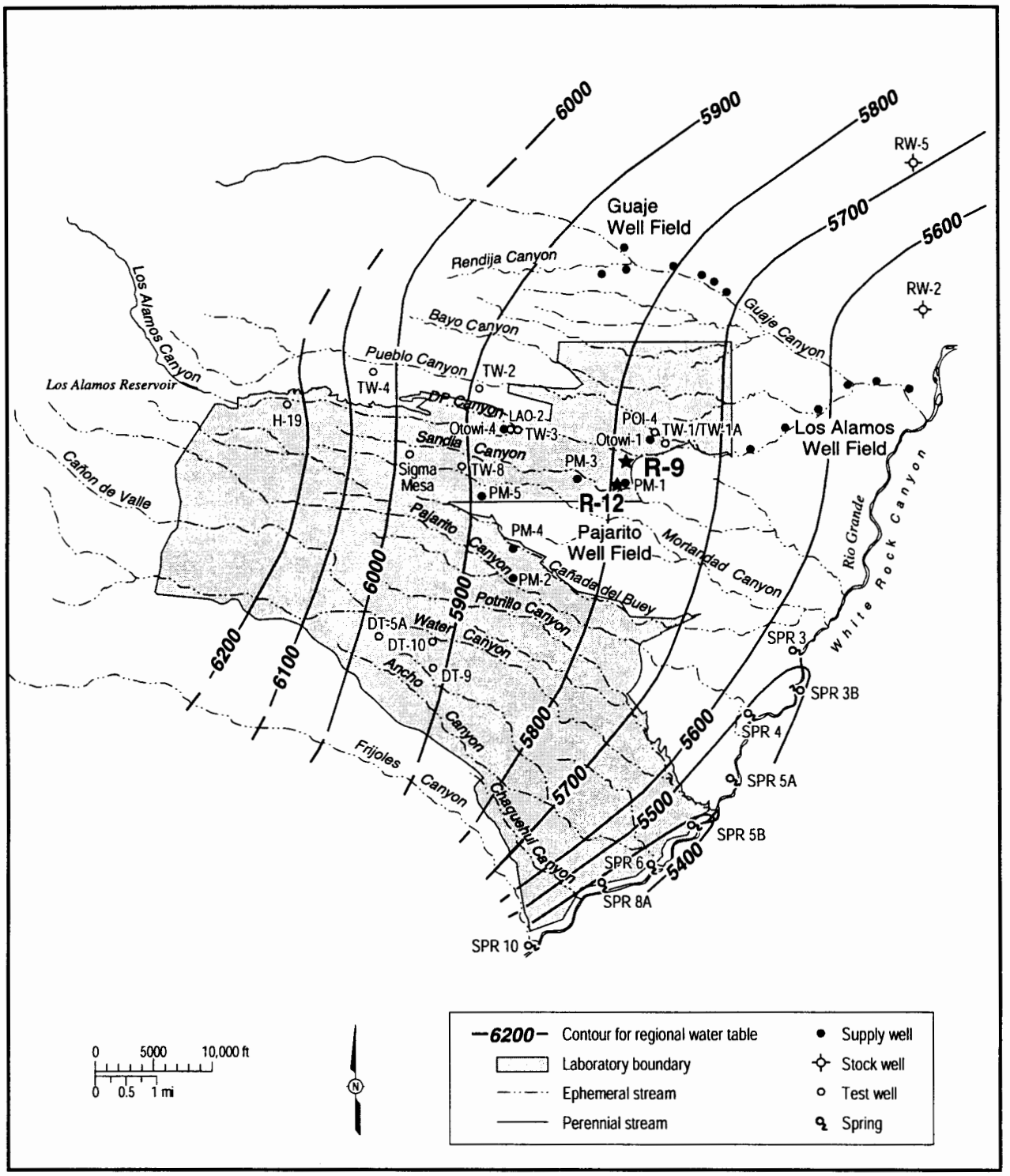

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Figure R-1. Location of wells R-9 and R-12.

Los Alamos National Laboratory
Environmental Restoration Project

DP Canyon, Los Alamos Canyon, and Pueblo Canyon Water Data Sets

December 22, 1998

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Los Alamos National Laboratory
Environmental Restoration Project

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Los Alamos National Laboratory
Environmental Restoration Project

Los Alamos Canyon, DP Canyon, and Pueblo Canyon Water Data Sets

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EXECUTIVE SUMMARY

WATER CHEMISTRY DATA FOR DP CANYON, LOS ALAMOS CANYON, AND PUEBLO CANYON: ALLUVIAL AND PERCHED INTERMEDIATE CHARACTERIZATION WELLS

This report contains a tabulation of water chemistry data collected in Los Alamos Canyon from 1994 through 1997. Characterization wells were installed as part of both the OU 1098 (TA-2 and TA-41) workplan and the Los Alamos Canyon and Pueblo Canyon workplan submitted to the NMED and EPA in 1993 and in 1995, respectively. These characterization wells were completed in the alluvium, Guaje Pumice Bed, and basalt. Groundwater samples were collected from thirteen alluvial wells and three intermediate wells mainly installed by ER Project staff and subcontractors. Surface water samples were collected from four transects within TA-41, TA-2, and TA-21. Water samples were also collected from Basalt Spring and LA Spring in lower Los Alamos Canyon. Routine analytes consist of major ions, trace elements, radionuclides, and organic compounds. Analytical data are reported from ER Project subcontract laboratories using EPA-SW 846 methods (see Attachment I for a summary of analytical methods). Nonroutine analyses include low-level tritium and dissolved organic carbon fractionation (humic substances).

DP Canyon

Water Data Set

Table DP-1
DP Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)
NM Ground Water Standard [b]							5 mg/L	n.s [c]	0.1mg/L	1mg/L	n.s.	0.01mg/L
Alluvial Well LAUZ-1												
21-1811	AAC0558	unfiltered	08-Feb-95	WGA	DP Canyon	n.a. [d]	2.93	0.0018 U	0.0015 U	0.26	0.0002 U	0.0002 U
21-1811	0121-95-0251	filtered	21-Jun-95	WGA	DP Canyon	3.45	0.11 U	0.0022 U	0.0022 U	0.0944 U	0.0033 U	0.0033 U
21-1811	0121-95-0254	filtered	21-Jun-95	WGA	DP Canyon	3.45	0.11 U	0.0056 U	0.0022 U	0.0922 U	0.0033 U	0.0033 U
21-1811	0121-95-0264	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	41.10	0.0056 U	0.0067 U	0.278	0.0033 U	0.0033 U
21-1811	0121-95-0267	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	6.00	0.0056 U	0.0022 U	0.122 U	0.0033 U	0.0033 U
21-1811	0121-97-1396	filtered	20-Aug-97	WGA	DP Canyon	5.45	0.80 J-	0.02 U	0.004 U	0.09	0.004 U	0.005 U
21-1811	0121-97-1397	filtered	20-Aug-97	WGA	DP Canyon	5.45	0.10 UJ-	0.02 U	0.004 U	0.09	0.004 U	0.005 U
21-1811	0121-97-1424	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	1.10	0.02 U	0.004 U	0.2	0.004 U	0.005 U
21-1811	0121-97-1426	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	1.00	0.02 U	0.004 U	0.2	0.004 U	0.005 U
21-1811	0121-97-1428	filtered	04-Dec-97	WGA	DP Canyon	5.45	0.10 U	0.02 U	0.004 U	0.21	0.004 U	0.005 U
21-1811	0121-97-1430	filtered	04-Dec-97	WGA	DP Canyon	5.45	0.10 U	0.02 U	0.004 U	0.2	0.004 U	0.005 U
21-1811	CA21-98-0001	unfiltered	05-May-98	WGA	DP Canyon	5.45	1.60	0.02 U	0.004 U	0.14	0.004 U	0.005 U
21-1811	CA21-98-0002	filtered	05-May-98	WGA	DP Canyon	5.45	0.30	0.02 U	0.004 U	0.13	0.004 U	0.005 U
Alluvial Well LAUZ-2												
21-1812	AAC0559	unfiltered	09-Feb-95	WGA	DP Canyon	n.a.	0.42	0.0018 U	0.0034 U	0.144 U	0.0002 U	0.0002 U
21-1812	0121-95-0252	filtered	21-Jun-95	WGA	DP Canyon	4.14	0.11 U	0.0056 U	0.0024 U	0.103 U	0.0033 U	0.0033 U
21-1812	0121-97-1398	unfiltered	20-Aug-97	WGA	DP Canyon	5.65	1.10 J-	NA [f]	0.008	0.19	0.004 U	0.005 U

Table DP-1
DP Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)
NM Ground Water Standard [b]							5 mg/L	n.s [c]	0.1mg/L	1mg/L	n.s.	0.01mg/L
21-1812	0121-97-1399	filtered	20-Aug-97	WGA	DP Canyon	5.65	0.10 UJ-	NA	0.004 U	0.12	0.004 U	0.005 U
21-1812	0121-97-1425	unfiltered	04-Dec-97	WGA	DP Canyon	5.65	0.10 U	NA	0.004 U	0.11	0.004 U	0.005 U
21-1812	0121-97-1429	filtered	04-Dec-97	WGA	DP Canyon	5.65	0.10 U	NA	0.004 U	0.1	0.004 U	0.005 U
21-1812	CA21-98-0003	unfiltered	05-May-98	WGA	DP Canyon	5.65	0.10 U	NA	0.004 U	0.14	0.004 U	0.005 U
21-1812	CA21-98-0004	filtered	05-May-98	WGA	DP Canyon	5.65	0.10 U	NA	0.004 U	0.13	0.004 U	0.005 U

Notes:

(a) WGA = Groundwater, alluvial

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit, with a low bias

J = The reported value is an estimated quantity.

J- = The reported value is an estimated quantity, and biased high.

Table DP-1
DP Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Calcium (mg/L)	Chromium, Total (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Lithium (mg/L)
NM Ground Water Standard [b]							n.s.	0.05 mg/L	1mg/L	1mg/L	0.05 mg/L	n.s.
Alluvial Well LAUZ-1												
21-1811	AAC0558	unfiltered	08-Feb-95	WGA	DP Canyon	n.a. [d]	93.1	0.0019 U	0.0032 U	1.98	0.0017 U	NA
21-1811	0121-95-0251	filtered	21-Jun-95	WGA	DP Canyon	3.45	40	0.0044 U	0.0178 U	0.111 U	0.0056	0.0089 U
21-1811	0121-95-0254	filtered	21-Jun-95	WGA	DP Canyon	3.45	40	0.0044 U	0.01 U	0.111 U	0.0056	0.0089 U
21-1811	0121-95-0264	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	43.3	0.0289	0.0244 U	20	0.0322	0.03
21-1811	0121-95-0267	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	41.1	0.0044 U	0.0122 U	3.11	0.0044	0.0133
21-1811	0121-97-1396	filtered	20-Aug-97	WGA	DP Canyon	5.45	42	0.01 U	0.02 U	0.22	0.006 J-	NA
21-1811	0121-97-1397	filtered	20-Aug-97	WGA	DP Canyon	5.45	38	0.01 U	0.02 U	0.04 U	0.005 J-	NA
21-1811	0121-97-1424	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	95	0.01 U	0.02 U	0.78	0.001	NA
21-1811	0121-97-1426	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	95	0.01 U	0.02 U	0.68	0.001	NA
21-1811	0121-97-1428	filtered	04-Dec-97	WGA	DP Canyon	5.45	110	0.01 U	0.02 U	0.06	0.001 U	NA
21-1811	0121-97-1430	filtered	04-Dec-97	WGA	DP Canyon	5.45	100	0.01 U	0.02 U	0.05	0.001 U	NA
21-1811	CA21-98-0001	unfiltered	05-May-98	WGA	DP Canyon	5.45	46	0.01 U	0.02 U	1.2	0.003	NA
21-1811	CA21-98-0002	filtered	05-May-98	WGA	DP Canyon	5.45	47	0.01 U	0.02 U	0.19	0.001	NA
Alluvial Well LAUZ-2												
21-1812	AAC0559	unfiltered	09-Feb-95	WGA	DP Canyon	n.a.	61.1	0.0003 U	0.0013 U	1.31	0.0015 U	NA
21-1812	0121-95-0252	filtered	21-Jun-95	WGA	DP Canyon	4.14	46.7	0.0044 U	0.0156 U	0.111 U	0.0056	0.01 U
21-1812	0121-97-1398	unfiltered	20-Aug-97	WGA	DP Canyon	5.65	45	0.01 U	0.02 U	6.7	0.003 J-	NA

Table DP-1
DP Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Calcium (mg/L)	Chromium, Total (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Lithium (mg/L)
NM Ground Water Standard [b]							n.s.	0.05 mg/L	1mg/L	1mg/L	0.05 mg/L	n.s.
21-1812	0121-97-1399	filtered	20-Aug-97	WGA	DP Canyon	5.65	42	0.01 U	0.02 U	0.04 U	0.001 U	NA
21-1812	0121-97-1425	unfiltered	04-Dec-97	WGA	DP Canyon	5.65	50	0.01 U	0.02 U	0.58	0.001 U	NA
21-1812	0121-97-1429	filtered	04-Dec-97	WGA	DP Canyon	5.65	52	0.01 U	0.02 U	0.08	0.001 U	NA
21-1812	CA21-98-0003	unfiltered	05-May-98	WGA	DP Canyon	5.65	59	0.01 U	0.02 U	2.6	0.001 U	NA
21-1812	CA21-98-0004	filtered	05-May-98	WGA	DP Canyon	5.65	58	0.01 U	0.02 U	0.47	0.001 U	NA

Notes:

(a) WGA = Groundwater, alluvial

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is detection limit.

UJ- = The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit, with a low bias

J = The reported value is an estimated quantity.

J- = The reported value is an estimated quantity, and biased high.

Table DP-1
DP Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)
NM Ground Water Standard [b]							n.s.	0.2 mg/L	0.002 mg/L	1mg/L	0.2 mg/L
Alluvial Well LAUZ-1											
21-1811	AAC0558	unfiltered	08-Feb-95	WGA	DP Canyon	n.a. [d]	9.16	0.398	0.0001 U	NA	0.0031 U
21-1811	0121-95-0251	filtered	21-Jun-95	WGA	DP Canyon	3.45	2.89 U	0.0578	0.0002 U	0.0122 U	0.0111 U
21-1811	0121-95-0254	filtered	21-Jun-95	WGA	DP Canyon	3.45	2.78 U	0.0489	0.0002 U	0.0156 U	0.0111 U
21-1811	0121-95-0264	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	6.22	1.33	0.0002 U	0.01 J	0.0278 U
21-1811	0121-95-0267	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	3.44 U	0.222	0.0002 U	0.0089 J	0.0111 U
21-1811	0121-97-1396	filtered	20-Aug-97	WGA	DP Canyon	5.45	2.7	0.04	0.0002 U	NA	0.04 U
21-1811	0121-97-1397	filtered	20-Aug-97	WGA	DP Canyon	5.45	2.5	0.02	0.0002 U	NA	0.04 U
21-1811	0121-97-1424	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	6.4 U	0.08	0.0002 U	NA	0.04 U
21-1811	0121-97-1426	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	6.5 U	0.08	0.0002 U	NA	0.04 U
21-1811	0121-97-1428	filtered	04-Dec-97	WGA	DP Canyon	5.45	6.9 U	0.04	0.0002 U	NA	0.04 U
21-1811	0121-97-1430	filtered	04-Dec-97	WGA	DP Canyon	5.45	606 U	0.03	0.0002 U	NA	0.04 U
21-1811	CA21-98-0001	unfiltered	05-May-98	WGA	DP Canyon	5.45	3.7	0.03	0.0002 U	NA	0.04 U
21-1811	CA21-98-0002	filtered	05-May-98	WGA	DP Canyon	5.45	3.7	0.01 U	0.0002 U	NA	0.04 U
Alluvial Well LAUZ-2											
21-1812	AAC0559	unfiltered	09-Feb-95	WGA	DP Canyon	n.a.	5.62	1.04	0.0001 U	NA	0.0018 U
21-1812	0121-95-0252	filtered	21-Jun-95	WGA	DP Canyon	4.14	4 U	0.689	0.0002 U	0.0156 U	0.0122 U
21-1812	0121-97-1398	unfiltered	20-Aug-97	WGA	DP Canyon	5.65	3.5	0.79	NA	NA	0.04 U

Table DP-1
DP Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)
NM Ground Water Standard [b]							n.s.	0.2 mg/L	0.002 mg/L	1mg/L	0.2 mg/L
21-1812	0121-97-1399	filtered	20-Aug-97	WGA	DP Canyon	5.65	3.4	0.72	NA	NA	0.04 U
21-1812	0121-97-1425	unfiltered	04-Dec-97	WGA	DP Canyon	5.65	4 U	0.87	NA	NA	0.04 U
21-1812	0121-97-1429	filtered	04-Dec-97	WGA	DP Canyon	5.65	4.2 U	0.83	NA	NA	0.04 U
21-1812	CA21-98-0003	unfiltered	05-May-98	WGA	DP Canyon	5.65	4.5	0.87	NA	NA	0.04 U
21-1812	CA21-98-0004	filtered	05-May-98	WGA	DP Canyon	5.65	4.4	0.76	NA	NA	0.04 U

Notes:

(a) WGA = Groundwater, alluvial

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

(f) NA = Not analyzed

Explanation of data qualifier flags:

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Table DP-1
DP Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Strontium (mg/L)	Thallium (mg/L)
NM Ground Water Standard [b]							n.s.	0.05 mg/L	0.05 mg/L	n.s.	n.s.	n.s.
Alluvial Well LAUZ-1												
21-1811	AAC0558	unfiltered	08-Feb-95	WGA	DP Canyon	n.a. [d]	18.7	0.0011 U	0.0003 U	79.1	NA	0.0045 U
21-1811	0121-95-0251	filtered	21-Jun-95	WGA	DP Canyon	3.45	9.22	0.0046 U	0.0111 U	71.1	0.211	0.0056 U
21-1811	0121-95-0254	filtered	21-Jun-95	WGA	DP Canyon	3.45	9.11	0.0011 U	0.0111 U	68.9	0.2	0.0056 U
21-1811	0121-95-0264	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	18.9	0.0011 U	0.0111 U	73.3	0.244	0.0056 U
21-1811	0121-95-0267	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	10.3	0.004 U	0.0111 U	70	0.211	0.0056 U
21-1811	0121-97-1396	filtered	20-Aug-97	WGA	DP Canyon	5.45	9	0.004 U	0.01 U	49	NA	0.005 U
21-1811	0121-97-1397	filtered	20-Aug-97	WGA	DP Canyon	5.45	9	0.004 U	0.01 U	49	NA	0.005 U
21-1811	0121-97-1424	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	11	0.004 U	0.01 U	71	NA	0.005 U
21-1811	0121-97-1426	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	12	0.004 U	0.01 U	74	NA	0.005 U
21-1811	0121-97-1428	filtered	04-Dec-97	WGA	DP Canyon	5.45	12	0.004 U	0.01 U	81	NA	0.005 U
21-1811	0121-97-1430	filtered	04-Dec-97	WGA	DP Canyon	5.45	11	0.004 U	0.01 U	76	NA	0.005 U
21-1811	CA21-98-0001	unfiltered	05-May-98	WGA	DP Canyon	5.45	9	0.004 U	0.01 U	100	NA	0.005 U
21-1811	CA21-98-0002	filtered	05-May-98	WGA	DP Canyon	5.45	10	0.004 U	0.01 U	110	NA	0.005 U
Alluvial Well LAUZ-2												
21-1812	AAC0559	unfiltered	09-Feb-95	WGA	DP Canyon	n.a.	14.2	0.0029 U	0.0003 U	54.3	NA	0.0028 U
21-1812	0121-95-0252	filtered	21-Jun-95	WGA	DP Canyon	4.14	14.4	0.0011 U	0.0111 U	65.6	0.244	0.0056 U
21-1812	0121-97-1398	unfiltered	20-Aug-97	WGA	DP Canyon	5.65	17	NA	NA	50	NA	NA

Table DP-1
DP Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Strontium (mg/L)	Thallium (mg/L)
NM Ground Water Standard [b]							n.s.	0.05 mg/L	0.05 mg/L	n.s.	n.s.	n.s.
21-1812	0121-97-1399	filtered	20-Aug-97	WGA	DP Canyon	5.65	17	NA	NA	49	NA	NA
21-1812	0121-97-1425	unfiltered	04-Dec-97	WGA	DP Canyon	5.65	14	NA	NA	61	NA	NA
21-1812	0121-97-1429	filtered	04-Dec-97	WGA	DP Canyon	5.65	14	NA	NA	59	NA	NA
21-1812	CA21-98-0003	unfiltered	05-May-98	WGA	DP Canyon	5.65	14	NA	NA	84	NA	NA
21-1812	CA21-98-0004	filtered	05-May-98	WGA	DP Canyon	5.65	14	NA	NA	84	NA	NA

Notes:

(a) WGA = Groundwater, alluvial

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

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J- = The reported value is an estimated quantity, and biased high.

Table DP-1
DP Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
NM Ground Water Standard [b]							5 mg/L	n.s.	10 mg/L
Alluvial Well LAUZ-1									
21-1811	AAC0558	unfiltered	08-Feb-95	WGA	DP Canyon	n.a. [d]	NA	0.0029 U	0.0147 U
21-1811	0121-95-0251	filtered	21-Jun-95	WGA	DP Canyon	3.45	0.0056 U	0.0044 U	0.05
21-1811	0121-95-0254	filtered	21-Jun-95	WGA	DP Canyon	3.45	0.0056 U	0.0044 U	0.0222 U
21-1811	0121-95-0264	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	0.0067 J	0.0356 U	0.122
21-1811	0121-95-0267	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	0.0056 U	0.0089 U	0.0322
21-1811	0121-97-1396	filtered	20-Aug-97	WGA	DP Canyon	5.45	NA	0.01 U	0.13
21-1811	0121-97-1397	filtered	20-Aug-97	WGA	DP Canyon	5.45	NA	0.01 U	0.02
21-1811	0121-97-1424	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	NA	0.01 U	0.02 U
21-1811	0121-97-1426	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	NA	0.01 U	0.02 U
21-1811	0121-97-1428	filtered	04-Dec-97	WGA	DP Canyon	5.45	NA	0.01 U	0.02
21-1811	0121-97-1430	filtered	04-Dec-97	WGA	DP Canyon	5.45	NA	0.01 U	0.02 U
21-1811	CA21-98-0001	unfiltered	05-May-98	WGA	DP Canyon	5.45	NA	0.01 U	0.02 U
21-1811	CA21-98-0002	filtered	05-May-98	WGA	DP Canyon	5.45	NA	0.01 U	0.02 U
Alluvial Well LAUZ-2									
21-1812	AAC0559	unfiltered	09-Feb-95	WGA	DP Canyon	n.a.	NA	0.001 U	0.0176 U
21-1812	0121-95-0252	filtered	21-Jun-95	WGA	DP Canyon	4.14	0.0056 U	0.0044 U	0.0867
21-1812	0121-97-1398	unfiltered	20-Aug-97	WGA	DP Canyon	5.65	NA	NA	0.03

Table DP-1
DP Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
NM Ground Water Standard [b]							5 mg/L	n.s.	10 mg/L
21-1812	0121-97-1399	filtered	20-Aug-97	WGA	DP Canyon	5.65	NA	NA	0.01
21-1812	0121-97-1425	unfiltered	04-Dec-97	WGA	DP Canyon	5.65	NA	NA	0.02
21-1812	0121-97-1429	filtered	04-Dec-97	WGA	DP Canyon	5.65	NA	NA	0.02
21-1812	CA21-98-0003	unfiltered	05-May-98	WGA	DP Canyon	5.65	NA	NA	0.02 U
21-1812	CA21-98-0004	filtered	05-May-98	WGA	DP Canyon	5.65	NA	NA	0.02 U

Notes:

(a) WGA = Groundwater, alluvial

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

(f) NA = Not analyzed

Explanation of data qualifier flags:

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J- = The reported value is an estimated quantity, and biased high.

Table DP-2
DP Canyon Groundwater Data for Detected Organic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Acetone (mg/L)	Bis(2-ethylhexyl)phthalate (mg/L)
NM Ground Water Standard [b]							n.s.[c]	n.s.
DP Canyon Alluvial Well LAUZ-1								
21-1811	AAC0558	unfiltered	08-Feb-95	WGA	DP Canyon	n.a. [d]	0.02 U	0.049 U
21-1811	0121-95-0251	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	0.02 U	0.01 U
21-1811	0121-95-0254	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	0.02 U	0.01 U
21-1811	0121-97-1396	unfiltered	20-Aug-97	WGA	DP Canyon	5.45	0.03	0.01 U
21-1811	0121-97-1397	unfiltered	20-Aug-97	WGA	DP Canyon	5.45	NA [f]	0.022
21-1811	0121-97-1424	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	0.02 U	0.01 U
21-1811	0121-97-1426	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	0.02 U	0.01 UJ
21-1811	CA21-98-0001	unfiltered	05-May-98	WGA	DP Canyon	5.45	0.02 U	0.01 U
DP Canyon Alluvial Well LAUZ-2								
21-1812	AAC0559	unfiltered	09-Feb-95	WGA	DP Canyon	n.a.	0.02 U	0.01 U
21-1812	0121-95-0252	unfiltered	21-Jun-95	WGA	DP Canyon	4.14	0.02 U	0.01 U
21-1812	0121-97-1398	unfiltered	20-Aug-97	WGA	DP Canyon	5.65	0.02 U	0.01 U
21-1812	0121-97-1399	filtered	20-Aug-97	WGA	DP Canyon	5.65	NA	0.036
21-1812	0121-97-1425	unfiltered	04-Dec-97	WGA	DP Canyon	5.65	0.02 U	0.01 UJ
21-1812	CA21-98-0003	unfiltered	05-May-98	WGA	DP Canyon	5.65	0.02 U	0.01 U

Notes:

(a) WGA = Groundwater, alluvial

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. Filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

Table DP-2
DP Canyon Groundwater Data for Detected Organic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Dichloroethane[1,2-] (mg/L)
NM Ground Water Standard [b]							0.01 mg/L
DP Canyon Alluvial Well LAUZ-1							
21-1811	AAC0558	unfiltered	08-Feb-95	WGA	DP Canyon	n.a. [d]	0.005 U
21-1811	0121-95-0251	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	0.005
21-1811	0121-95-0254	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	0.005 U
21-1811	0121-97-1396	unfiltered	20-Aug-97	WGA	DP Canyon	5.45	0.005 U
21-1811	0121-97-1397	unfiltered	20-Aug-97	WGA	DP Canyon	5.45	NA
21-1811	0121-97-1424	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	0.005 U
21-1811	0121-97-1426	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	0.005 U
21-1811	CA21-98-0001	unfiltered	05-May-98	WGA	DP Canyon	5.45	0.005 U
DP Canyon Alluvial Well LAUZ-2							
21-1812	AAC0559	unfiltered	09-Feb-95	WGA	DP Canyon	n.a.	0.005 U
21-1812	0121-95-0252	unfiltered	21-Jun-95	WGA	DP Canyon	4.14	0.005 U
21-1812	0121-97-1398	unfiltered	20-Aug-97	WGA	DP Canyon	5.65	0.005 U
21-1812	0121-97-1399	filtered	20-Aug-97	WGA	DP Canyon	5.65	NA
21-1812	0121-97-1425	unfiltered	04-Dec-97	WGA	DP Canyon	5.65	0.005 U
21-1812	CA21-98-0003	unfiltered	05-May-98	WGA	DP Canyon	5.65	0.005 U

Notes:

(a) WGA = Groundwater, alluvial

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. Filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

(f) NA = Not analyzed

Explanation of data qualifier flags:

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The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

Table DP-3
DP Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Cesium-137 (pCi/L)			Gross Alpha Radiation (pCi/L)			Gross Beta Radiation (pCi/L)	
NM Ground Water Standard [b]							n.s. [c]			n.s.			n.s.	
DP Canyon Alluvial Well LAUZ-1														
21-1811	AAC0558	unfiltered	08-Feb-95	WGA	DP Canyon	n.a. [d]	2.13	(1.1) [h]	U	3.8	(2.3)	U	1080	(60)
21-1811	0121-95-0251	filtered	21-Jun-95	WGA	DP Canyon	3.45	37	NUR [g]	U	7.6	(5.1)	U	373	(14)
21-1811	0121-95-0254	filtered	21-Jun-95	WGA	DP Canyon	3.45	19	NUR	U	-0.6	(4.6)	U	363	(14)
21-1811	0121-97-1396	filtered	20-Aug-97	WGA	DP Canyon	5.45	-1.19	(1.1)	U	NA [f]			NA	
21-1811	0121-97-1397	filtered	20-Aug-97	WGA	DP Canyon	5.45	1.04	(1.1)	U	NA			NA	
21-1811	0121-97-1424	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	2.84	(1.3)	U	NA			NA	
21-1811	0121-97-1426	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	-0.15	(0.9)	U	NA			NA	
21-1811	0121-97-1428	filtered	04-Dec-97	WGA	DP Canyon	5.45	-0.2	(0.8)	U	NA			NA	
21-1811	0121-97-1430	filtered	04-Dec-97	WGA	DP Canyon	5.45	-0.81	(0.8)	U	NA			NA	
21-1811	CA21-98-0001	unfiltered	05-May-98	WGA	DP Canyon	5.45	1.52	(0.6)	U	NA			NA	
21-1811	CA21-98-0002	filtered	05-May-98	WGA	DP Canyon	5.45	0.871	(1.0)	U	NA			NA	
DP Canyon Alluvial Well LAUZ-2														
21-1812	AAC0559	unfiltered	09-Feb-95	WGA	DP Canyon	n.a.	-1.77	(1.1)	U	2.3	(1.4)	U	290	(17)
21-1812	0121-95-0252	filtered	21-Jun-95	WGA	DP Canyon	4.14	31.9	NUR	U	-2	(4.9)	U	197.6	(9)
21-1812	0121-97-1398	unfiltered	20-Aug-97	WGA	DP Canyon	5.65	0.89	(1.2)	U	NA			NA	

Table DP-3
DP Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Cesium-137 (pCi/L)			Gross Alpha Radiation (pCi/L)	Gross Beta Radiation (pCi/L)
NM Ground Water Standard [b]							n.s. [c]			n.s.	n.s.
21-1812	0121-97-1399	filtered	20-Aug-97	WGA	DP Canyon	5.65	1.68	(1.2)	U	NA	NA
21-1812	0121-97-1425	unfiltered	04-Dec-97	WGA	DP Canyon	5.65	0.16	(0.9)	U	NA	NA
21-1812	0121-97-1429	filtered	04-Dec-97	WGA	DP Canyon	5.65	0.05	(0.9)	U	NA	NA
21-1812	CA21-98-0003	unfiltered	05-May-98	WGA	DP Canyon	5.65	-0.857	(0.6)	U	NA	NA
21-1812	CA21-98-0004	filtered	05-May-98	WGA	DP Canyon	5.65	1.09	(1.0)	U	NA	NA

NOTES:

(a) WGA = Groundwater, alluvial

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

actual sample depth.

(f) NA = Not analyzed

(g) NUR = No uncertainty reported

(h) 1 Sigma uncertainty

(i) Tritium samples are unfiltered in all cases

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

J- = The reported value is an estimated quantity, and biased low.

Table DP-3
DP Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Plutonium-238 (pCi/L)			Plutonium-239 (pCi/L)			Strontium-90 (pCi/L)		
NM Ground Water Standard [b]							n.s.			n.s.			n.s.		
DP Canyon Alluvial Well LAUZ-1															
21-1811	AAC0558	unfiltered	08-Feb-95	WGA	DP Canyon	n.a. [d]	0.07	(0.02)		0.23	(0.05)		526	(48)	
21-1811	0121-95-0251	filtered	21-Jun-95	WGA	DP Canyon	3.45	0.01	(0.02)	U	0.03	(0.03)	U	184.8	(8.7)	
21-1811	0121-95-0254	filtered	21-Jun-95	WGA	DP Canyon	3.45	0.03	(0.03)	U	0.05	(0.03)	U	187.9	(8.8)	
21-1811	0121-97-1396	filtered	20-Aug-97	WGA	DP Canyon	5.45	-0.021	(0.02)	U	-0.018	(0.01)	U	105	(9.6)	
21-1811	0121-97-1397	filtered	20-Aug-97	WGA	DP Canyon	5.45	0.034	(0.01)	U	-0.0059	(0.008)	U	100	(9.2)	
21-1811	0121-97-1424	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	0.02	(0.02)	U	0.08	(0.04)	U	176.47	(2.5)	J-
21-1811	0121-97-1426	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	0.09	(0.04)	U	0.25	(0.07)		195.72	(2.7)	J-
21-1811	0121-97-1428	filtered	04-Dec-97	WGA	DP Canyon	5.45	0	NUR	U	0.02	(0.02)	U	207.83	(2.7)	J-
21-1811	0121-97-1430	filtered	04-Dec-97	WGA	DP Canyon	5.45	0.02	(0.02)	U	0.04	(0.03)	U	77.99	(1.7)	J-
21-1811	CA21-98-0001	unfiltered	05-May-98	WGA	DP Canyon	5.45	0.026	(0.013)	U	0.223	(0.03)		151	(14)	
21-1811	CA21-98-0002	filtered	05-May-98	WGA	DP Canyon	5.45	0.004	(0.015)	U	0.008	(0.01)	U	153	(14)	
DP Canyon Alluvial Well LAUZ-2															
21-1812	AAC0559	unfiltered	09-Feb-95	WGA	DP Canyon	n.a.	0.01	(0.01)	U	0.02	(0.01)	U	142	(13)	
21-1812	0121-95-0252	filtered	21-Jun-95	WGA	DP Canyon	4.14	0.01	(0.01)	U	0	(0.01)	U	114.7	(5.5)	
21-1812	0121-97-1398	unfiltered	20-Aug-97	WGA	DP Canyon	5.65	0.014	(0.01)	U	0.16	(0.03)		81	(7)	

Table DP-3
DP Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Plutonium-238 (pCi/L)			Plutonium-239 (pCi/L)			Strontium-90 (pCi/L)		
NM Ground Water Standard [b]							n.s.			n.s.			n.s.		
21-1812	0121-97-1399	filtered	20-Aug-97	WGA	DP Canyon	5.65	0.024	(0.01)	U	0.0048	(0.008)	U	108	(10)	
21-1812	0121-97-1425	unfiltered	04-Dec-97	WGA	DP Canyon	5.65	0	(0)	U	0.06	(0.03)	U	68.51	(1.57)	J-
21-1812	0121-97-1429	filtered	04-Dec-97	WGA	DP Canyon	5.65	0.02	(0.02)	U	0	(0)	U	204.78	(2.69)	J-
21-1812	CA21-98-0003	unfiltered	05-May-98	WGA	DP Canyon	5.65	0.026	(0.014)	U	0.0027	(0.009)	U	100	(9)	
21-1812	CA21-98-0004	filtered	05-May-98	WGA	DP Canyon	5.65	0.012	(0.012)	U	0.0061	(0.008)	U	103	(10)	

NOTES:

(a) WGA = Groundwater, alluvial

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

actual sample depth.

(f) NA = Not analyzed

(g) NUR = No uncertainty reported

(h) 1 Sigma uncertainty

(i) Tritium samples are unfiltered in all cases

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

J- = The reported value is an estimated quantity, and biased low.

Table DP-3
DP Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Thorium-230 (pCi/L)		Tritium [l] (pCi/L)			Uranium-234 (pCi/L)	
NM Ground Water Standard [b]							n.s.		n.s.			n.s.	
DP Canyon Alluvial Well LAUZ-1													
21-1811	AAC0558	unfiltered	08-Feb-95	WGA	DP Canyon	n.a. [d]	0.43	(0.07)	NA			0.68	(0.09)
21-1811	0121-95-0251	filtered	21-Jun-95	WGA	DP Canyon	3.45	0.24	(0.07)	280	(66)		0.61	(0.10)
21-1811	0121-95-0254	filtered	21-Jun-95	WGA	DP Canyon	3.45	0.19	(0.06)	290	(66)		0.68	(0.11)
21-1811	0121-97-1396	filtered	20-Aug-97	WGA	DP Canyon	5.45	NA		52	(85)	U	1.23	(0.12)
21-1811	0121-97-1397	filtered	20-Aug-97	WGA	DP Canyon	5.45	NA		NA			0.779	(0.09)
21-1811	0121-97-1424	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	NA		3.38	(84.2)	U	1.32	(0.24)
21-1811	0121-97-1426	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	NA		156.63	(89.14)	U	1.02	(0.2)
21-1811	0121-97-1428	filtered	04-Dec-97	WGA	DP Canyon	5.45	NA		NA			1.73	(0.3)
21-1811	0121-97-1430	filtered	04-Dec-97	WGA	DP Canyon	5.45	NA		NA			1.25	(0.23)
21-1811	CA21-98-0001	unfiltered	05-May-98	WGA	DP Canyon	5.45	NA		120	(80)	U	0.545	(0.07)
21-1811	CA21-98-0002	filtered	05-May-98	WGA	DP Canyon	5.45	NA		NA			0.523	(0.07)
DP Canyon Alluvial Well LAUZ-2													
21-1812	AAC0559	unfiltered	09-Feb-95	WGA	DP Canyon	n.a.	0.32	(0.07)	NA			1.11	(0.12)
21-1812	0121-95-0252	filtered	21-Jun-95	WGA	DP Canyon	4.14	0.19	(0.06)	500	(71)		0.72	(0.11)
21-1812	0121-97-1398	unfiltered	20-Aug-97	WGA	DP Canyon	5.65	NA		130	(85)	U	0.93	(0.11)

Table DP-3
DP Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Thorium-230 (pCi/L)	Tritium [i] (pCi/L)	Uranium-234 (pCi/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.
21-1812	0121-97-1399	filtered	20-Aug-97	WGA	DP Canyon	5.65	NA	NA	0.687 (0.08)
21-1812	0121-97-1425	unfiltered	04-Dec-97	WGA	DP Canyon	5.65	NA	120.09 (86.87) U	0.78 (0.19)
21-1812	0121-97-1429	filtered	04-Dec-97	WGA	DP Canyon	5.65	NA	NA	0.84 (0.2)
21-1812	CA21-98-0003	unfiltered	05-May-98	WGA	DP Canyon	5.65	NA	280 (85)	0.526 (0.07)
21-1812	CA21-98-0004	filtered	05-May-98	WGA	DP Canyon	5.65	NA	NA	0.595 (0.07)

NOTES:

(a) WGA = Groundwater, alluvial

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

actual sample depth.

(f) NA = Not analyzed

(g) NUR = No uncertainty reported

(h) 1 Sigma uncertainty

(i) Tritium samples are unfiltered in all cases

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

J- = The reported value is an estimated quantity, and biased low.

Table DP-3
DP Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Uranium-235 (pCi/L)			Uranium-238 (pCi/L)		
NM Ground Water Standard [b]							n.s.			n.s.		
DP Canyon Alluvial Well LAUZ-1												
21-1811	AAC0558	unfiltered	08-Feb-95	WGA	DP Canyon	n.a. [d]	0.02	(0.01)	U	0.15	(0.04)	
21-1811	0121-95-0251	filtered	21-Jun-95	WGA	DP Canyon	3.45	0.05	(0.04)	U	0.1	(0.04)	U
21-1811	0121-95-0254	filtered	21-Jun-95	WGA	DP Canyon	3.45	0.01	0.0204	U	0.1	(0.04)	U
21-1811	0121-97-1396	filtered	20-Aug-97	WGA	DP Canyon	5.45	-0.49	(1.9)	U	0.239	(0.05)	
21-1811	0121-97-1397	filtered	20-Aug-97	WGA	DP Canyon	5.45	-0.511	(1.7)	U	0.063	(0.02)	U
21-1811	0121-97-1424	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	-1.19	(3.9)	U	0.2	(0.1)	U
21-1811	0121-97-1426	unfiltered	04-Dec-97	WGA	DP Canyon	5.45	-4.95	(5.1)	U	0.17	(0.07)	U
21-1811	0121-97-1428	filtered	04-Dec-97	WGA	DP Canyon	5.45	-7.92	(4.6)	U	0.2	(0.08)	U
21-1811	0121-97-1430	filtered	04-Dec-97	WGA	DP Canyon	5.45	1.95	(4.7)	U	0.42	(0.12)	
21-1811	CA21-98-0001	unfiltered	05-May-98	WGA	DP Canyon	5.45	-2.24	(1.5)	U	0.058	(0.02)	U
21-1811	CA21-98-0002	filtered	05-May-98	WGA	DP Canyon	5.45	-4.01	(2.1)	U	0.056	(0.02)	U
DP Canyon Alluvial Well LAUZ-2												
21-1812	AAC0559	unfiltered	09-Feb-95	WGA	DP Canyon	n.a.	0.03	(0.01)	U	0.14	(0.04)	
21-1812	0121-95-0252	filtered	21-Jun-95	WGA	DP Canyon	4.14	0.05	(0.04)	U	0.1	(0.04)	U
21-1812	0121-97-1398	unfiltered	20-Aug-97	WGA	DP Canyon	5.65	NA			0.166	(0.04)	

Table DP-3
DP Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Uranium-235 (pCi/L)	Uranium-238 (pCi/L)
NM Ground Water Standard [b]							n.s.	n.s.
21-1812	0121-97-1399	filtered	20-Aug-97	WGA	DP Canyon	5.65	NA	0.15 (0.04)
21-1812	0121-97-1425	unfiltered	04-Dec-97	WGA	DP Canyon	5.65	NA	0.14 (0.07) U
21-1812	0121-97-1429	filtered	04-Dec-97	WGA	DP Canyon	5.65	NA	0.18 (0.09) U
21-1812	CA21-98-0003	unfiltered	05-May-98	WGA	DP Canyon	5.65	NA	0.084 (0.03)
21-1812	CA21-98-0004	filtered	05-May-98	WGA	DP Canyon	5.65	NA	0.07 (0.02)

NOTES:

(a) WGA = Groundwater, alluvial

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

actual sample depth.

(f) NA = Not analyzed

(g) NUR = No uncertainty reported

(h) 1 Sigma uncertainty

(i) Tritium samples are unfiltered in all cases

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

J- = The reported value is an estimated quantity, and biased low.

Table DP-4
DP Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Boron (mg/L)	Dissolved Organic Carbon (mg/L)	Chloride (mg/L)	Nitrate as N (mg/L)	Silica (mg/L)
NM Ground Water Standard [b]							0.75 mg/L	n.s. [c]	25 mg/L	10 mg/L	n.s.
DP Canyon Alluvial Well LAUZ-1											
21-1811	AAC0558	unfiltered	08-Feb-95	WGA	DP Canyon	n.a. [d]	NA [f]	NA	NA	NA	21
21-1811	0121-95-0251	filtered	21-Jun-95	WGA	DP Canyon	3.45	0.0611	5	44.2	0.227	23.3
21-1811	0121-95-0254	filtered	21-Jun-95	WGA	DP Canyon	3.45	0.0533	6	44.3	0.225	22.9
21-1811	0121-95-0264	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	0.0644	NA	NA	NA	168
21-1811	0121-95-0267	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	0.0533	NA	NA	NA	46.7
DP Canyon Alluvial Well LAUZ-2											
21-1812	AAC0559	unfiltered	09-Feb-95	WGA	DP Canyon	n.a.	NA	NA	NA	NA	19
21-1812	0121-95-0252	filtered	21-Jun-95	WGA	DP Canyon	4.14	0.0644	5	44.2	0.04 U	23.3

Notes:
(a) WGA = Groundwater, alluvial

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. Filtered) portion of water samples with the exception of mercury and organic chemicals.
(c) n.s. = No standard. A numerical standard is not available.
(d) n.a. = Not available
(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.
(f) NA = Not analyzed
Explanation of data qualifier flags:
U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table DP-4
DP Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Field pH	Field Conductivity (umhos)	Field Temperature (C)	Field Dissolved Oxygen (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.	n.s.
DP Canyon Alluvial Well LAUZ-1										
21-1811	AAC0558	unfiltered	08-Feb-95	WGA	DP Canyon	n.a. [d]	n.a.	n.a.	n.a.	n.a.
21-1811	0121-95-0251	filtered	21-Jun-95	WGA	DP Canyon	3.45	7	410	12	4.3
21-1811	0121-95-0254	filtered	21-Jun-95	WGA	DP Canyon	3.45	7	410	12	4.3
21-1811	0121-95-0264	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	7	410	12	4.3
21-1811	0121-95-0267	unfiltered	21-Jun-95	WGA	DP Canyon	3.45	7	410	12	4.3
DP Canyon Alluvial Well LAUZ-2										
21-1812	AAC0559	unfiltered	09-Feb-95	WGA	DP Canyon	n.a.	n.a.	n.a.	n.a.	n.a.
21-1812	0121-95-0252	filtered	21-Jun-95	WGA	DP Canyon	4.14	7.1	420	11.5	4.2

Notes:
(a) WGA = Groundwater, alluvial

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. Filtered) portion of water samples with the exception of mercury and organic chemicals.
(c) n.s. = No standard. A numerical standard is not available.
(d) n.a. = Not available
(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.
(f) NA = Not analyzed
Explanation of data qualifier flags:
U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table DP-5
DP Spring Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)
NM Ground Water Standard [b]						5 mg/L	n.s.	0.1mg/L	1mg/L	n.s.	0.01mg/L	n.s.
NM Livestock Watering Standard[c]						5 mg/L	n.s.	0.2 mg/L	n.s.	n.s.	0.05mg/L	n.s.
NM Wildlife Habitat Standard[d]						n.s. [e]	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
DP Spring												
21-1854	AAA2428	filtered	25-May-93	WGS	DP Canyon	0.86	0.001 U	0.002 U	0.068	0.001 U	0.003 U	NA
21-1854	AAA2429	unfiltered	25-May-93	WGS	DP Canyon	1.3	0.001 U	0.002 U	0.07	0.001 U	0.003 U	NA
21-1854	AAA2430	filtered	23-Jun-93	WGS	DP Canyon	0.78	0.001 U	0.003	0.035	0.001 U	0.003 U	NA
21-1854	AAA2432	unfiltered	23-Jul-93	WGS	DP Canyon	2.7	0.001 U	0.0027	0.055	0.001 U	0.003 U	NA
21-1854	AAA2434	unfiltered	05-Oct-93	WGS	DP Canyon	2.3	0.001 U	0.002	0.049	0.001 U	0.003 U	15
21-1854	AAA5679	filtered	14-Apr-94	WGS	DP Canyon	0.13	0.001 U	0.002	0.082	0.001 U	0.003 U	28
21-1854	0121-95-0253	filtered	22-Jun-95	WGS	DP Canyon	0.489	0.0033 U	0.0022 U	0.0467 U	0.0033 U	0.0033 U	15.6
21-1854	0121-95-0266	unfiltered	22-Jun-95	WGS	DP Canyon	1.44	0.0056 U	0.0022 U	0.0522 U	0.0033 U	0.0033 U	16.7
21-1854	0121-97-1400	unfiltered	21-Aug-97	WGS	DP Canyon	2.6 J-	NA [f]	0.004 U	0.05	NA	NA	15
21-1854	0121-97-1401	filtered	21-Aug-97	WGS	DP Canyon	2.1 J-	NA	0.004 U	0.04	NA	NA	15
21-1854	CA21-98-0005	unfiltered	06-May-98	WGS	DP Canyon	0.1	NA	0.004 U	0.08	NA	NA	30
21-1854	CA21-98-0006	filtered	06-May-98	WGS	DP Canyon	0.1 U	NA	0.004 U	0.08	NA	NA	30

Notes:

(a) WGS = Groundwater, spring

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = No standard. A numerical standard is not available.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.

J- = The reported value is an estimated quantity, and biased low.

Table DP-5
DP Spring Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Lithium (mg/L)	Magnesium (mg/L)
NM Ground Water Standard [b]						0.05 mg/L	1mg/L	1mg/L	0.05 mg/L	n.s.	n.s.
NM Livestock Watering Standard[c]						1 mg/L	0.5 mg/L	n.s.	0.1 mg/L	n.s.	n.s.
NM Wildlife Habitat Standard[d]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
DP Spring											
21-1854	AAA2428	filtered	25-May-93	WGS	DP Canyon	0.004 U	0.004 U	0.51	0.003	0.018	NA
21-1854	AAA2429	unfiltered	25-May-93	WGS	DP Canyon	0.004 U	0.004 U	0.6	0.002 U	0.016	NA
21-1854	AAA2430	filtered	23-Jun-93	WGS	DP Canyon	0.019	0.049	0.69	0.001 U	0.026	NA
21-1854	AAA2432	unfiltered	23-Jul-93	WGS	DP Canyon	0.004 U	0.011	1.4	0.002	0.017	NA
21-1854	AAA2434	unfiltered	05-Oct-93	WGS	DP Canyon	0.004 U	0.004 U	0.59	0.0014	0.017	1.9
21-1854	AAA5679	filtered	14-Apr-94	WGS	DP Canyon	0.004 U	0.004 U	0.11	0.001 U	NA	3.2
21-1854	0121-95-0253	filtered	22-Jun-95	WGS	DP Canyon	0.0044 U	0.0222 U	0.244	0.0056	0.0133	1.78 U
21-1854	0121-95-0266	unfiltered	22-Jun-95	WGS	DP Canyon	0.0044 U	0.0089 U	0.667	0.0056	0.0156	1.89 U
21-1854	0121-97-1400	unfiltered	21-Aug-97	WGS	DP Canyon	0.01 U	0.02 U	1.3	0.004 J-	NA(d)	1.6
21-1854	0121-97-1401	filtered	21-Aug-97	WGS	DP Canyon	0.01 U	0.02 U	0.94	0.003 J-	NA	1.6
21-1854	CA21-98-0005	unfiltered	06-May-98	WGS	DP Canyon	0.01 U	0.02 U	0.18	0.001 U	NA	3.2
21-1854	CA21-98-0006	filtered	06-May-98	WGS	DP Canyon	0.01 U	0.02 U	0.04 U	0.001 U	NA	3.1

Notes:

(a) WGS = Groundwater, spring

(b) Standards apply to ground water with an existing concentration of 10,000 m less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = No standard. A numerical standard is not available.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low

J- = The reported value is an estimated quantity, and biased low.

Table DP-5
DP Spring Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Manganese (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)
NM Ground Water Standard [b]						0.2 mg/L	0.002 mg/L	1mg/L	0.2 mg/L	n.s.	0.05 mg/L
NM Livestock Watering Standard[c]						n.s.	0.1 mg/L	n.s.	n.s.	n.s.	0.05 mg/L
NM Wildlife Habitat Standard[d]						n.s.	0.012 ug/L	n.s.	n.s.	n.s.	0.002 mg/L
DP Spring											
21-1854	AAA2428	filtered	25-May-93	WGS	DP Canyon	0.002	0.0002 U	0.008 U	0.01 U	NA	0.002 U
21-1854	AAA2429	unfiltered	25-May-93	WGS	DP Canyon	0.006	NA	0.01 U	0.01 U	NA	0.002 U
21-1854	AAA2430	filtered	23-Jun-93	WGS	DP Canyon	0.063	0.0002 U	0.01 U	0.04	NA	0.002 U
21-1854	AAA2432	unfiltered	23-Jul-93	WGS	DP Canyon	0.009	0.0002 U	0.008 U	0.01 U	NA	0.002 U
21-1854	AAA2434	unfiltered	05-Oct-93	WGS	DP Canyon	0.008	0.0002 U	0.008 U	0.01 U	10	0.002
21-1854	AAA5679	filtered	14-Apr-94	WGS	DP Canyon	0.005	0.0002 U	0.008 U	0.01 U	13	0.002 U
21-1854	0121-95-0253	filtered	22-Jun-95	WGS	DP Canyon	0.0033 U	0.0002 U	0.0144 U	0.0178 U	8.67	0.0011 U
21-1854	0121-95-0266	unfiltered	22-Jun-95	WGS	DP Canyon	0.0033 U	0.0002 U	0.0089 U	0.0111 U	9	0.0011 U
21-1854	0121-97-1400	unfiltered	21-Aug-97	WGS	DP Canyon	0.01 U	NA	NA	0.04 U	9	0.004 U
21-1854	0121-97-1401	filtered	21-Aug-97	WGS	DP Canyon	0.01 U	NA	NA	0.04 U	9	0.004 U
21-1854	CA21-98-0005	unfiltered	06-May-98	WGS	DP Canyon	0.01 U	NA	NA	0.04 U	15	0.004 UJ-
21-1854	CA21-98-0006	filtered	06-May-98	WGS	DP Canyon	0.01 U	NA	NA	0.04 U	14	0.004 U

Notes:

(a) WGS = Groundwater, spring

(b) Standards apply to ground water with an existing concentration of 10,000 m less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = No standard. A numerical standard is not available.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low

J- = The reported value is an estimated quantity, and biased low.

Table DP-5
DP Spring Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Silica (mg/L)	Silver (mg/L)	Sodium (mg/L)	Strontium (mg/L)	Thallium (mg/L)	Uranium (mg/L)
NM Ground Water Standard [b]						n.s.	0.05 mg/L	n.s.	n.s.	n.s.	5 mg/L
NM Livestock Watering Standard[c]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[d]						n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
DP Spring											
21-1854	AAA2428	filtered	25-May-93	WGS	DP Canyon	NA	0.01 U	NA	0.15	0.001 U	NA
21-1854	AAA2429	unfiltered	25-May-93	WGS	DP Canyon	NA	0.01 U	NA	0.15	0.001 U	NA
21-1854	AAA2430	filtered	23-Jun-93	WGS	DP Canyon	NA	0.03	NA	0.088	0.001 U	NA
21-1854	AAA2432	unfiltered	23-Jul-93	WGS	DP Canyon	NA	0.01 U	NA	0.11	0.001 U	NA
21-1854	AAA2434	unfiltered	05-Oct-93	WGS	DP Canyon	NA	0.02 U	47	0.1	0.001 U	NA
21-1854	AAA5679	filtered	14-Apr-94	WGS	DP Canyon	9.4	0.01 U	63	NA	0.001 U	NA
21-1854	0121-95-0253	filtered	22-Jun-95	WGS	DP Canyon	NA	0.0111 U	42.2	0.11	0.0056 U	0.0056 U
21-1854	0121-95-0266	unfiltered	22-Jun-95	WGS	DP Canyon	NA	0.0111 U	42.2	0.111	0.0056 U	0.0056 U
21-1854	0121-97-1400	unfiltered	21-Aug-97	WGS	DP Canyon	NA	0.01 U	32	NA	NA	NA
21-1854	0121-97-1401	filtered	21-Aug-97	WGS	DP Canyon	NA	0.01 U	33	NA	NA	NA
21-1854	CA21-98-0005	unfiltered	06-May-98	WGS	DP Canyon	NA	0.01 U	54	NA	NA	NA
21-1854	CA21-98-0006	filtered	06-May-98	WGS	DP Canyon	NA	0.01 U	50	NA	NA	NA

Notes:

(a) WGS = Groundwater, spring

(b) Standards apply to ground water with an existing concentration of 10,000 m less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = No standard. A numerical standard is not available.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low

J- = The reported value is an estimated quantity, and biased low.

Table DP-5
DP Spring Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Vanadium (mg/L)	Zinc (mg/L)
NM Ground Water Standard [b]						n.s.	10 mg/L
NM Livestock Watering Standard[c]						0.1 mg/L	25 mg/L
NM Wildlife Habitat Standard[d]						n.s.	n.s.
DP Spring							
21-1854	AAA2428	filtered	25-May-93	WGS	DP Canyon	0.007	0.011
21-1854	AAA2429	unfiltered	25-May-93	WGS	DP Canyon	0.004 U	0.01 U
21-1854	AAA2430	filtered	23-Jun-93	WGS	DP Canyon	0.023	0.3
21-1854	AAA2432	unfiltered	23-Jul-93	WGS	DP Canyon	0.006	0.04
21-1854	AAA2434	unfiltered	05-Oct-93	WGS	DP Canyon	0.004 U	0.02 U
21-1854	AAA5679	filtered	14-Apr-94	WGS	DP Canyon	0.004 U	0.015
21-1854	0121-95-0253	filtered	22-Jun-95	WGS	DP Canyon	0.0044 U	0.0222 U
21-1854	0121-95-0266	unfiltered	22-Jun-95	WGS	DP Canyon	0.0044 U	0.0222
21-1854	0121-97-1400	unfiltered	21-Aug-97	WGS	DP Canyon	0.01 U	0.05
21-1854	0121-97-1401	filtered	21-Aug-97	WGS	DP Canyon	0.01 U	0.07
21-1854	CA21-98-0005	unfiltered	06-May-98	WGS	DP Canyon	0.01 U	0.02 U
21-1854	CA21-98-0006	filtered	06-May-98	WGS	DP Canyon	0.01 U	0.02 U

Notes:

(a) WGS = Groundwater, spring

(b) Standards apply to ground water with an existing concentration of 10,000 m less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = No standard. A numerical standard is not available.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low

J- = The reported value is an estimated quantity, and biased low.

Table DP-6
DP Spring Data for Detected Organic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Dichloroethane[1,2-] (mg/L)
NM Ground Water Standard [b]						0.01 mg/L
NM Livestock Watering Standard[c]						n.s. [e]
NM Wildlife Habitat Standard[d]						n.s.
DP Canyon DP Spring						
21-1854	AAA2428	filtered	25-May-93	WGS	DP Canyon	0.005 U
21-1854	AAA2429	unfiltered	25-May-93	WGS	DP Canyon	0.005 U
21-1854	AAA2430	filtered	23-Jun-93	WGS	DP Canyon	0.005 U
21-1854	AAA2432	unfiltered	23-Jul-93	WGS	DP Canyon	0.005 U
21-1854	AAA2434	unfiltered	05-Oct-93	WGS	DP Canyon	0.005 U
21-1854	AAA5679	filtered	14-Apr-94	WGS	DP Canyon	0.005 U
21-1854	0121-95-0253	unfiltered	22-Jun-95	WGS	DP Canyon	0.005 U
21-1854	0121-97-1400	unfiltered	21-Aug-97	WGS	DP Canyon	0.0076
21-1854	0121-97-1401	filtered	21-Aug-97	WGS	DP Canyon	NA [f]
21-1854	CA21-98-0005	unfiltered	06-May-98	WGS	DP Canyon	0.005 U

Notes:

(a) WGS = Groundwater, spring

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = No standard. A numerical standard is not available.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

Table DP-7
DP Spring Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Gross Alpha Radiation (pCi/L)			Gross Beta Radiation (pCi/L)		Plutonium-238 (pCi/L)			Plutonium-239 (pCi/L)		
NM Ground Water Standard [b]						n.s. [e]			n.s.		n.s.			n.s.		
NM Livestock Watering Standard[c]						15			n.s.		n.s.			n.s.		
NM Wildlife Habitat Standard[d]						n.s.			n.s.		n.s.			n.s.		
DP Spring																
21-1854	AAA2428	filtered	25-May-93	WGS	DP Canyon	5	(2) [f]	U	6.4	(0.9)	-0.017	(0.03)	U	0.009	(0.02)	U
21-1854	AAA2429	unfiltered	25-May-93	WGS	DP Canyon	2	(1)	U	4.4	(0.7)	0	(0.03)	U	0.073	(0.02)	
21-1854	AAA2430	filtered	23-Jun-93	WGS	DP Canyon	-2	(1)	U	160	(20)	0.009	0.03	U	0.051	(0.02)	U
21-1854	AAA2432	unfiltered	23-Jul-93	WGS	DP Canyon	3	(2)	U	150	(20)	0.021	(0.03)	U	0.114	(0.02)	
21-1854	AAA2434	unfiltered	05-Oct-93	WGS	DP Canyon	7	(2)		140	(10)	0.0196	(0.02)	U	0.0785	(0.02)	
21-1854	AAA5679	filtered	14-Apr-94	WGS	DP Canyon	3.63	NUR [h]	U	242.4	(14.1)	0.002	(0.001)	U	0.002	(0.001)	U
21-1854	0121-95-0253	filtered	22-Jun-95	WGS	DP Canyon	0.4	(3.3)	U	144.4	(6.4)	0.03	(0.02)	U	0.01	(0.02)	U
21-1854	0121-97-1400	unfiltered	21-Aug-97	WGS	DP Canyon	NA [g]			NA		NA			0.071	(0.02)	
21-1854	0121-97-1401	filtered	21-Aug-97	WGS	DP Canyon	NA			NA		NA			0.035	(0.01)	U
21-1854	CA21-98-0005	unfiltered	06-May-98	WGS	DP Canyon	NA			NA		NA			0.007	(0.01)	U
21-1854	CA21-98-0006	filtered	06-May-98	WGS	DP Canyon	NA			NA		NA			0.0037	(0.008)	U

Notes:

(a) WGS = Groundwater, spring

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = No standard. A numerical standard is not available.

(f) 1 Sigma uncertainty

(g) NA = Not analyzed

(h) NUR = No uncertainty reported

(i) Tritium samples are unfiltered in all cases

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

Table DP-7
DP Spring Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Radium-226 (pCi/L)	Strontium-90 (pCi/L)	Thorium-230 (pCi/L)	Tritium [i] (pCi/L)
NM Ground Water Standard [b]						30	n.s.	n.s.	20000
NM Livestock Watering Standard[c]						30	n.s.	n.s.	20000
NM Wildlife Habitat Standard[d]						n.s.	n.s.	n.s.	n.s.
DP Spring									
21-1854	AAA2428	filtered	25-May-93	WGS	DP Canyon	4.3 (2.5) U	95.1 (6.3)	0.16 (0.06) U	NA
21-1854	AAA2429	unfiltered	25-May-93	WGS	DP Canyon	0.89 (0.11)	95.6 (6.3)	0.15 (0.06) U	NA
21-1854	AAA2430	filtered	23-Jun-93	WGS	DP Canyon	1.3 (0.2)	97.5 (6.5)	0.112 (0.06) U	NA
21-1854	AAA2432	unfiltered	23-Jul-93	WGS	DP Canyon	1.1 (0.3)	67.3 (4.4)	0.433 (0.12)	NA
21-1854	AAA2434	unfiltered	05-Oct-93	WGS	DP Canyon	1.9 (0.2)	48.4 (3.2)	0.322 (0.09)	NA
21-1854	AAA5679	filtered	14-Apr-94	WGS	DP Canyon	NA	112.94 (5.8)	0.342 (0.06) U	NA
21-1854	0121-95-0253	filtered	22-Jun-95	WGS	DP Canyon	NA	69.9 (3.5)	0.21 (0.06)	370 (66)
21-1854	0121-97-1400	unfiltered	21-Aug-97	WGS	DP Canyon	NA	40.7 (3.8)	NA	5 (85) U
21-1854	0121-97-1401	filtered	21-Aug-97	WGS	DP Canyon	NA	38.9 (3.6)	NA	NA
21-1854	CA21-98-0005	unfiltered	06-May-98	WGS	DP Canyon	NA	111 (10)	NA	120 (80) U
21-1854	CA21-98-0006	filtered	06-May-98	WGS	DP Canyon	NA	119 (11)	NA	NA

Notes:

(a) WGS = Groundwater, spring

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = No standard. A numerical standard is not available.

(f) 1 Sigma uncertainty

(g) NA = Not analyzed

(h) NUR = No uncertainty reported

(i) Tritium samples are unfiltered in all cases

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated nu value is the quantitation limit.

Table DP-7
DP Spring Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Uranium-234 (pCi/L)	Uranium-235 (pCi/L)	Uranium-238 (pCi/L)
NM Ground Water Standard [b]						n.s.	n.s.	n.s.
NM Livestock Watering Standard[c]						n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[d]						n.s.	n.s.	n.s.
DP Spring								
21-1854	AAA2428	filtered	25-May-93	WGS	DP Canyon	0.725 (0.07)	0.014 (0.03) U	0.098 (0.03)
21-1854	AAA2429	unfiltered	25-May-93	WGS	DP Canyon	0.672 (0.07)	0.019 (0.03) U	0.076 (0.03) U
21-1854	AAA2430	filtered	23-Jun-93	WGS	DP Canyon	1.04 (0.10)	0.032 (0.11) U	NA
21-1854	AAA2432	unfiltered	23-Jul-93	WGS	DP Canyon	0.444 (0.08)	0.018 (0.07) U	0.442 (0.06)
21-1854	AAA2434	unfiltered	05-Oct-93	WGS	DP Canyon	0.395 (0.08)	-0.005 (0.07) U	0.398 (0.06)
21-1854	AAA5679	filtered	14-Apr-94	WGS	DP Canyon	0.486 (0.08)	0.018 (0.04) U	0.09 (0.05) U
21-1854	0121-95-0253	filtered	22-Jun-95	WGS	DP Canyon	0.38 (0.08)	0.02 (0.03) U	0.04 (0.03) U
21-1854	0121-97-1400	unfiltered	21-Aug-97	WGS	DP Canyon	0.561 (0.08)	NA	0.098 (0.03)
21-1854	0121-97-1401	filtered	21-Aug-97	WGS	DP Canyon	0.636 (0.08)	NA	0.094 (0.03)
21-1854	CA21-98-0005	unfiltered	06-May-98	WGS	DP Canyon	0.415 (0.06)	NA	0.047 (0.02) U
21-1854	CA21-98-0006	filtered	06-May-98	WGS	DP Canyon	0.373 (0.06)	NA	0.04 (0.02) U

Notes:

(a) WGS = Groundwater, spring

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(e) n.s. = No standard. A numerical standard is not available.

(f) 1 Sigma uncertainty

(g) NA = Not analyzed

(h) NUR = No uncertainty reported

(i) Tritium samples are unfiltered in all cases

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated nu value is the quantitation limit.

Table DP-8
DP Spring Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Boron (mg/L)	Dissolved Organic Carbon (mg/L)	Chloride (mg/L)
NM Ground Water Standard [b]						0.75 mg/L	n.s.	250 mg/L
NM Livestock Watering Standard[c]						5 mg/L	n.s.	n.s.
NM Wildlife Habitat Standard[d]						n.s. [e]	n.s.	n.s.
DP Spring								
21-1854	AAA2428	filtered	25-May-93	WGS	DP Canyon	0.058	NA	NA
21-1854	AAA2429	unfiltered	25-May-93	WGS	DP Canyon	0.059	NA	NA
21-1854	AAA2430	filtered	23-Jun-93	WGS	DP Canyon	0.23	NA	NA
21-1854	AAA2432	unfiltered	23-Jul-93	WGS	DP Canyon	0.06	NA	NA
21-1854	AAA2434	unfiltered	05-Oct-93	WGS	DP Canyon	NA [f]	NA	NA
21-1854	AAA5679	filtered	14-Apr-94	WGS	DP Canyon	0.05	NA	NA
21-1854	0121-95-0253	filtered	22-Jun-95	WGS	DP Canyon	0.0433	4	48.5
21-1854	0121-95-0266	unfiltered	22-Jun-95	WGS	DP Canyon	0.0433	NA	NA

Notes:

(a) WGS = Groundwater, spring

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total

(e) n.s. = No standard. A numerical standard is not available.

(f) NA = Not analyzed

(g) n.a. = not available

Table DP-8
DP Spring Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Nitrate as N (mg/L)	Silica (mg/L)	Field Alkalinity $CaCO_3$ (mg/L)
NM Ground Water Standard [b]						10 mg/L	n.s.	n.s.
NM Livestock Watering Standard[c]						n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[d]						n.s.	n.s.	n.s.
DP Spring								
21-1854	AAA2428	filtered	25-May-93	WGS	DP Canyon	NA	18	n.a. [g]
21-1854	AAA2429	unfiltered	25-May-93	WGS	DP Canyon	NA	18	n.a.
21-1854	AAA2430	filtered	23-Jun-93	WGS	DP Canyon	NA	25	n.a.
21-1854	AAA2432	unfiltered	23-Jul-93	WGS	DP Canyon	NA	20	n.a.
21-1854	AAA2434	unfiltered	05-Oct-93	WGS	DP Canyon	NA	21	n.a.
21-1854	AAA5679	filtered	14-Apr-94	WGS	DP Canyon	NA	19	n.a.
21-1854	0121-95-0253	filtered	22-Jun-95	WGS	DP Canyon	0.75	18.9	63
21-1854	0121-95-0266	unfiltered	22-Jun-95	WGS	DP Canyon	NA	22.4	63

Notes:

(a) WGS = Groundwater, spring

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(d) Based on total (i.e. unfiltered) recoverable selenium and total

(e) n.s. = No standard. A numerical standard is not available.

(f) NA = Not analyzed

(g) n.a. = not available

Los Alamos Canyon

Water Data Set

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)
NM Ground Water Standard [b]							5 mg/L	n.s. [c]	0.1 mg/L
Alluvial Well LAO-B									
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	1.1	0.002 U	0.002 U
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.1 U	0.002 U	0.002 U
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.58	0.0012 U	0.002 U
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.1 U	0.001 U	0.003 U
41-1045	0441-95-0013	unfiltered	9-May-95	WGA	Los Alamos Canyon	7.54	2.71	0.0022 U	0.0022 U
41-1045	0441-95-0014	filtered	9-May-95	WGA	Los Alamos Canyon	7.54	0.345	0.0022 U	0.0022 U
Alluvial Well LAO-C									
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	2.1	0.002 U	0.003 U
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	0.1 U	0.002 U	0.003 U
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	0.456	0.0022 U	0.0022 U
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	1.67	0.0022 U	0.0022 UJ-
Alluvial Well LAO-0.3									
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	1.6	0.001 U	0.002 U
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	0.11	0.001 U	0.002 U
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.1 U	0.002 U	0.002 U
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	1.2	0.002 U	0.002 U
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	1.9	0.0012 U	0.003 U
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.1 U	0.001 U	0.003 U
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	4.4	0.0011 U	0.0022 U
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.278	0.0028 U	0.0022 UJ-
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	1.4	0.0032 U	0.0022 UJ-
Alluvial Well LAO-0.6									
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.1 U	0.002 U	0.003
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	5.2	0.002 U	0.002 U
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	0.54	0.001 U	0.003 U
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.1 U	0.001 U	0.002 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)
NM Ground Water Standard [b]							5 mg/L	n.s. [c]	0.1 mg/L
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	0.15	0.0012 U	0.003 U
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.1 U	0.001 U	0.002 U
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	0.5 U	0.0011 U	0.0022 UJ-
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	0.182 U	0.0011 U	0.0022 UJ-
Alluvial Well LAO-0.8									
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	13	0.002 U	0.005
02-1021	AAB1349	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.46	0.002 U	0.002
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	1.7	0.001 U	0.002
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.1 U	0.001	0.003
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	5.23	0.0011 U	0.0022 UJ-
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	0.163 U	0.0011 U	0.0022 UJ-
Alluvial Well LAO-R1									
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	0.1 U	0.002	0.003
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	0.1 U	0.002 U	0.003
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	3.37	0.0022 U	0.0022 U
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	0.111 U	0.0022 U	0.0022 U
Alluvial Well LAO-0.91									
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	1.3	0.001 U	0.003
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.1 U	0.001 U	0.005
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	1.2	0.001 U	0.004
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.1 U	0.001 U	0.007
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.92	0.002 U	0.003
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.61	0.002 U	0.003
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	2.05	0.0022 U	0.0022 U
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	0.191 J	0.0022 U	0.0022 UJ-

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)
NM Ground Water Standard [b]							5 mg/L	n.s. [c]	0.1 mg/L
Alluvial Well LAO-1									
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	0.4	0.002 U	0.003 U
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	0.1 U	0.002 U	0.003 U
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	1.5	0.0011 U	0.0022 U
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	0.37	0.0039 U	0.0022 U
Intermediate Well LAOI-1.1									
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	1.86	0.0022 U	0.0022 U
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	0.206 J	0.0023 U	0.0022 U
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	4.4 J+	0.0011 U	0.0044 U
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	0.0615 J	0.0038 J	0.0044 U
Alluvial Well LAO-1.6(g)									
LA-0001	04LA-96-0199	unfiltered	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA [f]	NA	NA
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	0.0511 J	0.0202 U	0.0059 U
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.274	0.05 U	0.002 UJ-
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.275	0.05 U	0.002 UJ-
Alluvial Well LLAO-2									
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	30.6	0.05 U	0.0044 J
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	0.05 U	0.05 U	0.0055 J
LA-0045	04LA-97-0005	unfiltered	5-May-97	WGA	Los Alamos Canyon	22.25	1.52 J+	0.05 U	0.0035 J
LA-0045	04LA-97-0006	filtered	5-May-97	WGA	Los Alamos Canyon	22.25	0.05 U	0.05 U	0.0039 J
Alluvial Well LLAO-4									
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.05 U	0.05 U	0.002 U
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.05 U	0.05 U	0.002 U
LA-0046	04LA-97-0007	unfiltered	7-May-97	WGA	Los Alamos Canyon	3.38	0.05 U	0.05 U	0.002 U
LA-0046	04LA-97-0008	filtered	7-May-97	WGA	Los Alamos Canyon	3.38	0.05 U	0.05 U	0.002 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)
NM Ground Water Standard [b]							5 mg/L	n.s. [c]	0.1 mg/L
Alluvial Well LLAO-5									
LA-0002	04LA-96-0202	unfiltered	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA	NA	NA
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	0.0336 U	0.0437 U	0.003 U
LA-0002	04LA-97-0009	unfiltered	7-May-97	WGA	Los Alamos Canyon	12	0.235	0.05 U	0.0023 J
LA-0002	04LA-97-0010	filtered	7-May-97	WGA	Los Alamos Canyon	12	0.05 U	0.05 U	0.002 U
Intermediate Well LA-DP3									
21-1682	AAA6848	unfiltered	04-Nov-93	WGI	Los Alamos Canyon	n.a.	30.00	0.002 U	0.002 U
21-1682	AAA7498	filtered	01-Dec-93	WGI	Los Alamos Canyon	n.a.	0.10 U	0.001 U	0.002 U

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.

J = The reported value is an estimated quantity.

J- = The reported value is an estimated quantity, and biased high.

J+ = The reported value is an estimated quantity, and biased low.

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)
NM Ground Water Standard [b]							1 mg/L	n.s.	0.01 mg/L
Alluvial Well LAO-B									
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.028	0.001 U	0.003 U
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.019	0.001 U	0.003 U
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.031	0.003 U	0.003 U
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.025	0.003 U	0.003 U
41-1045	0441-95-0013	unfiltered	9-May-95	WGA	Los Alamos Canyon	7.54	0.0333 U	0.0033 U	0.0033 U
41-1045	0441-95-0014	filtered	9-May-95	WGA	Los Alamos Canyon	7.54	0.0259 U	0.0033 U	0.0033 U
Alluvial Well LAO-C									
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	0.043	0.003 U	0.003 U
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	0.03	0.003 U	0.003 U
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	0.0367 U	0.0033 U	0.0033 U
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	0.0311 U	0.0033 U	0.0033 U
Alluvial Well LAO-0.3									
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	0.04	0.003 U	0.003 U
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	0.032	0.003 U	0.003 U
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.04	0.001 U	0.003 U
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.045	0.001 U	0.003 U
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.053	0.003 U	0.003 U
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.045	0.003 U	0.003 U
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	0.03 UJ-	0.0033 U	0.0033 U
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0256 U	0.0033 U	0.0033 U
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0278 U	0.0033 U	0.0033 U
Alluvial Well LAO-0.6									
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.063	0.001 U	0.003 U
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.11	0.001 U	0.003 U
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	0.069	0.003 U	0.003 U
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.061	0.003 U	0.003 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)
NM Ground Water Standard [b]							1 mg/L	n.s.	0.01 mg/L
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	0.067	0.003 U	0.003 U
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.063	0.003 U	0.003 U
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	0.0397 J	0.0033 U	0.0033 U
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	0.0386	0.0033 U	0.0033 U
Alluvial Well LAO-0.8									
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.091	0.001 U	0.003 U
02-1021	AAB1349	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.035	0.001 U	0.003 U
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.046	0.003 U	0.004 U
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.035	0.003 U	0.003 U
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	0.0397 U	0.0033 U	0.0033 UJ-
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	0.0204 U	0.0033 U	0.0033 UJ-
Alluvial Well LAO-R1									
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	0.06	0.003 U	0.003 U
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	0.072	0.003 U	0.003 U
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	0.0453 J	0.003 U	0.0033 U
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	0.032 J	0.003 U	0.0033 U
Alluvial Well LAO-0.91									
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.052	0.003 U	0.003 U
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.045	0.003 U	0.003 U
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.05	0.003 U	0.003 U
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.043	0.003 U	0.003 U
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.056	0.003 U	0.003 U
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.05	0.003 U	0.003 U
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	0.0348 J	0.0033 U	0.0033 U
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	0.0284 J	0.0033 U	0.0033 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)
NM Ground Water Standard [b]							1 mg/L	n.s.	0.01 mg/L
Alluvial Well LAO-1									
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	0.04	0.003 U	0.003 U
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	0.036	0.003 U	0.003 U
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	0.036 J	0.0033 U	0.0033 UJ-
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	0.028 J	0.0033 U	0.0033 UJ-
Intermediate Well LAOI-1.1									
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	0.0447 J	0.0033 U	0.0033 UJ-
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	0.017 J	0.0033 U	0.0033 UJ-
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	0.0217 U	0.0011 U	0.0022 U
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	0.0105 J	0.0011 U	0.0022 U
Alluvial Well LAO-1.6(g)									
LA-0001	04LA-96-0199	unfiltered	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA	NA	NA
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	0.0751 J	0.0001 U	0.0056 J
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.0551 J	0.004 U	0.005 U
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.0568 J	0.004 U	0.005 U
Alluvial Well LLAO-2									
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	0.624	0.004 U	0.005 U
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	0.32	0.004 U	0.005 U
LA-0045	04LA-97-0005	unfiltered	5-May-97	WGA	Los Alamos Canyon	22.25	0.395	0.004 U	0.005 U
LA-0045	04LA-97-0006	filtered	5-May-97	WGA	Los Alamos Canyon	22.25	0.372	0.004 U	0.005 U
Alluvial Well LLAO-4									
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.15 J	0.004 U	0.005 U
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.148 J	0.004 U	0.005 U
LA-0046	04LA-97-0007	unfiltered	7-May-97	WGA	Los Alamos Canyon	3.38	0.14 J	0.004 U	0.005 U
LA-0046	04LA-97-0008	filtered	7-May-97	WGA	Los Alamos Canyon	3.38	0.138 J	0.004 U	0.005 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Barium (mg/L)	Beryllium (mg/L)	Cadmium (mg/L)
NM Ground Water Standard [b]							1 mg/L	n.s.	0.01 mg/L
Alluvial Well LLAO-5									
LA-0002	04LA-96-0202	unfiltered	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA	NA	NA
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	0.33	0.001 U	0.0033 U
LA-0002	04LA-97-0009	unfiltered	7-May-97	WGA	Los Alamos Canyon	12	0.3	0.004 U	0.005 U
LA-0002	04LA-97-0010	filtered	7-May-97	WGA	Los Alamos Canyon	12	0.29	0.004 U	0.005 U
Intermediate Well LA-DP3									
21-1682	AAA6848	unfiltered	04-Nov-93	WGI	Los Alamos Canyon	n.a.	0.57	0.007 U	0.003 U
21-1682	AAA7498	filtered	01-Dec-93	WGI	Los Alamos Canyon	n.a.	0.02	0.001 U	0.005

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.

J = The reported value is an estimated quantity.

J- = The reported value is an estimated quantity, and biased high.

J+ = The reported value is an estimated quantity, and biased low.

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Calcium (mg/L)	Chromium, Total (mg/L)	Cobalt (mg/L)
NM Ground Water Standard [b]							n.s.	0.05 mg/L	0.05 mg/L
Alluvial Well LAO-B									
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	9.3	0.066	0.004 U
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	9.3	0.004 U	0.004 U
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	11	0.004 U	0.004 U
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	11	0.004 U	0.004 U
41-1045	0441-95-0013	unfiltered	9-May-95	WGA	Los Alamos Canyon	7.54	9.74	0.0073 U	0.0044 U
41-1045	0441-95-0014	filtered	9-May-95	WGA	Los Alamos Canyon	7.54	9.13	0.0062 U	0.0044 U
Alluvial Well LAO-C									
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	12	0.004 U	0.004 U
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	9.6	0.004 U	0.004 U
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	7.44	0.0044 U	0.0044 U
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	7.22	0.005 U	0.0044 U
Alluvial Well LAO-0.3									
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	12	0.004 U	0.004 U
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	12	0.004 U	0.004 U
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	14	0.004 U	0.004 U
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	15	0.004 U	0.004 U
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	15	0.004 U	0.004 U
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	14	0.004 U	0.004 U
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	0.7 U	0.006 U	0.0044 U
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.7 U	0.0044 U	0.0044 U
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.644 U	0.005 U	0.0044 U
Alluvial Well LAO-0.6									
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	26	0.004 U	0.004 U
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	27	0.004 U	0.004 U
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	25	0.004 U	0.004 U
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	24	0.004 U	0.004 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Calcium (mg/L)	Chromium, Total (mg/L)	Cobalt (mg/L)
NM Ground Water Standard [b]							n.s.	0.05 mg/L	0.05 mg/L
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	26	0.004 U	0.004 U
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	25	0.004 U	0.004 U
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	16.4 J-	0.0057 U	0.0044 U
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	16.3 J-	0.0044 U	0.0044 U
Alluvial Well LAO-0.8									
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	13	0.085	0.004 U
02-1021	AAB1349	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	11	0.004 U	0.004 U
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	13	0.004 U	0.004 U
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	12	0.005	0.004 U
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	8.68 J-	0.0083 U	0.0044 U
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	7.7 J-	0.0047 U	0.0044 U
Alluvial Well LAO-R1									
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	23	0.007	0.004 U
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	27	0.009	0.004 U
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	13.4	0.0051 U	0.0044 U
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	12.2	0.0044 U	0.0044 U
Alluvial Well LAO-0.91									
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	17	0.004 U	0.004 U
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	18	0.004 U	0.004 U
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	17	0.004 U	0.004 U
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	17	0.004 U	0.004 U
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	21	0.009	0.004 U
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	20	0.007	0.004 U
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	10.4	0.0044 U	0.0044 U
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	10.5	0.0063 U	0.0044 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Calcium (mg/L)	Chromium, Total (mg/L)	Cobalt (mg/L)
NM Ground Water Standard [b]							n.s.	0.05 mg/L	0.05 mg/L
Alluvial Well LAO-1									
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	15	0.004 U	0.004 U
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	15	0.004 U	0.004 U
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	11	0.007 U	0.0044 U
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	10	0.009 U	0.0044 U
Intermediate Well LAOI-1.1									
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	8.29	0.0074 U	0.0044 U
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	5.96	0.0044 U	0.0044 U
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	6.74	0.0056 U	0.0067 U
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	5.55 J	0.0056 U	0.0067 U
Alluvial Well LAO-1.6(g)									
LA-0001	04LA-96-0199	unfiltered	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA	NA	NA
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	23.8 U	0.0071 U	0.0104 U
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	18.2	0.01 U	0.01 U
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	18.6	0.01 U	0.01 U
Alluvial Well LLAO-2									
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	63.3	0.0149	0.0104 U
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	52.8	0.01 U	0.01 U
LA-0045	04LA-97-0005	unfiltered	5-May-97	WGA	Los Alamos Canyon	22.25	58	0.01 U	0.01 U
LA-0045	04LA-97-0006	filtered	5-May-97	WGA	Los Alamos Canyon	22.25	56.8	0.01 U	0.01 U
Alluvial Well LLAO-4									
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	53.6	0.01 U	0.01 U
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	53.4	0.01 U	0.01 U
LA-0046	04LA-97-0007	unfiltered	7-May-97	WGA	Los Alamos Canyon	3.38	53.8	0.01 U	0.01 U
LA-0046	04LA-97-0008	filtered	7-May-97	WGA	Los Alamos Canyon	3.38	54.1	0.01 U	0.01 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Calcium (mg/L)	Chromium, Total (mg/L)	Cobalt (mg/L)
NM Ground Water Standard [b]							n.s.	0.05 mg/L	0.05 mg/L
Alluvial Well LLAO-5									
LA-0002	04LA-96-0202	unfiltered	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA	NA	NA
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	93.9	0.0029 U	0.0029 U
LA-0002	04LA-97-0009	unfiltered	7-May-97	WGA	Los Alamos Canyon	12	104	0.01 U	0.01 U
LA-0002	04LA-97-0010	filtered	7-May-97	WGA	Los Alamos Canyon	12	104	0.01 U	0.01 U
Intermediate Well LA-DP3									
21-1682	AAA6848	unfiltered	04-Nov-93	WGI	Los Alamos Canyon	n.a.	24	0.021	0.004 U
21-1682	AAA7498	filtered	01-Dec-93	WGI	Los Alamos Canyon	n.a.	15	0.006	0.004 U

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.

J = The reported value is an estimated quantity.

J- = The reported value is an estimated quantity, and biased high.

J+ = The reported value is an estimated quantity, and biased low.

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
NM Ground Water Standard [b]							1 mg/L	1 mg/L	0.05 mg/L
Alluvial Well LAO-B									
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.017	1	0.003
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.004 U	0.1 U	0.002 U
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.004 U	0.48	0.0012 U
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.037	0.1 U	0.051
41-1045	0441-95-0013	unfiltered	9-May-95	WGA	Los Alamos Canyon	7.54	0.0044 U	1.15	0.0022 U
41-1045	0441-95-0014	filtered	9-May-95	WGA	Los Alamos Canyon	7.54	0.0044 U	0.148	0.0022 U
Alluvial Well LAO-C									
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	0.004 U	1.5	0.002 U
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	0.004 U	0.1 U	0.002 U
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	0.0044 U	0.267 U	0.0022 U
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	0.0044 U	0.789 U	0.0022 U
Alluvial Well LAO-0.3									
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	0.007 U	0.98	0.002
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	0.009	0.1 U	0.001 U
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.004 U	0.1 U	0.002 U
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.004 U	0.59	0.002 U
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.004 U	1.1	0.0039
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.004 U	0.1 U	0.001 U
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0044 U	2 J+	0.0028 U
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0044 U	0.111 J+	0.0022 U
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0044 U	0.611	0.0022 U
Alluvial Well LAO-0.6									
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.004 U	0.1 U	0.002 U
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.004 U	3.1	0.008
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	0.004 U	0.42	0.026
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.004 U	0.1 U	0.03

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
NM Ground Water Standard [b]							1 mg/L	1 mg/L	0.05 mg/L
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	0.004 U	0.14	0.0064
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.004 U	0.1 U	0.001 U
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	0.0044 U	0.212 U	0.0011 U
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	0.0044 U	0.111 U	0.0011 U
Alluvial Well LAO-0.8									
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.021	5.4	0.018
02-1021	AAB1349	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.004 U	0.2	0.002 U
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.006	1.1	0.001
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.006	0.1 U	0.001 U
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	0.0058 U	2.14	0.0021 U
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	0.0044 U	0.111 U	0.0011 U
Alluvial Well LAO-R1									
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	0.004 U	0.1 U	0.002
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	0.016	0.1 U	0.004
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	0.0044 U	1.44	0.0022 U
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	0.0093 U	0.111 U	0.0022 U
Alluvial Well LAO-0.91									
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.007 U	0.81	0.001 U
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.007 U	0.1 U	0.001 U
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.008	0.76	0.001
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.008	0.1 U	0.001 U
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.004 U	0.61	0.005
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.006	0.37	0.004
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	0.0044 U	0.875	0.0022 U
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	0.0044 U	0.111 U	0.0022 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
NM Ground Water Standard [b]							1 mg/L	1 mg/L	0.05 mg/L
Alluvial Well LAO-1									
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	0.004 U	0.18	0.01
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	0.004 U	0.1 U	0.002 U
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	0.0044 U	0.631	0.0011 U
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	0.0044 U	0.14	0.0022 U
Intermediate Well LAOI-1.1									
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	0.0085 U	1.27	0.262
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	0.0044 U	0.111 U	0.0022 U
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	0.0044 U	1.73 J+	0.007
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	0.0045 U	0.174	0.0026 J
Alluvial Well LAO-1.6(g)									
LA-0001	04LA-96-0199	unfiltered	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA	NA	NA
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	0.0043 U	0.0769 J	0.0019 U
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.005 U	0.139	0.0015 U
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.005 U	0.125	0.0015 U
Alluvial Well LLAO-2									
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	0.0146 U	15.5	0.0072
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	0.005 U	0.0319 U	0.0015 U
LA-0045	04LA-97-0005	unfiltered	5-May-97	WGA	Los Alamos Canyon	22.25	0.005 U	0.799	0.002 J-
LA-0045	04LA-97-0006	filtered	5-May-97	WGA	Los Alamos Canyon	22.25	0.005 U	0.0188 J	0.0015 UJ-
Alluvial Well LLAO-4									
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.005 U	0.0149 U	0.0015 U
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.005 U	0.017 J	0.0015 U
LA-0046	04LA-97-0007	unfiltered	7-May-97	WGA	Los Alamos Canyon	3.38	0.005 U	0.01 U	0.0015 U
LA-0046	04LA-97-0008	filtered	7-May-97	WGA	Los Alamos Canyon	3.38	0.005 U	0.01 U	0.0015 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)
NM Ground Water Standard [b]							1 mg/L	1 mg/L	0.05 mg/L
Alluvial Well LLAO-5									
LA-0002	04LA-96-0202	unfiltered	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA	NA	NA
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	0.0903	0.0608 U	0.0014 U
LA-0002	04LA-97-0009	unfiltered	7-May-97	WGA	Los Alamos Canyon	12	0.005 U	0.166	0.0015 U
LA-0002	04LA-97-0010	filtered	7-May-97	WGA	Los Alamos Canyon	12	0.005 U	0.0338 J	0.0015 U
Intermediate Well LA-DP3									
21-1682	AAA6848	unfiltered	04-Nov-93	WGI	Los Alamos Canyon	n.a.	0.016	7.8	0.023
21-1682	AAA7498	filtered	01-Dec-93	WGI	Los Alamos Canyon	n.a.	0.015	0.2	0.002

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.

J = The reported value is an estimated quantity.

J- = The reported value is an estimated quantity, and biased high.

J+ = The reported value is an estimated quantity, and biased low.

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Lithium (mg/L)	Magnesium (mg/L)	Manganese (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	0.2 mg/L
Alluvial Well LAO-B									
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.005	3	0.32
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.001 U	3	0.002 U
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.006	3.5	0.018
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.008	3.3	0.003 U
41-1045	0441-95-0013	unfiltered	9-May-95	WGA	Los Alamos Canyon	7.54	0.0062 U	3.08 U	0.0087
41-1045	0441-95-0014	filtered	9-May-95	WGA	Los Alamos Canyon	7.54	0.0037 U	2.84 U	0.0033 U
Alluvial Well LAO-C									
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	0.012	2.7	0.031
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	0.009	2.2	0.012
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	0.0033 U	1.67 U	0.007 U
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	0.004 U	1.78 U	0.005 U
Alluvial Well LAO-0.3									
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	0.05 U	2.9	0.009
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	0.05 U	2.8	0.003
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.003	3.6	0.002 U
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.005	3.7	0.004
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.009	3.8	0.006
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.008	3.6	0.003 U
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	0.006 U	2.4 U	0.011 U
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0033 U	2.1 U	0.0033 U
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.004 U	2.2 U	0.004 U
Alluvial Well LAO-0.6									
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.01	4.8	0.55
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.013	5.2	0.75
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	0.015	4.5	0.74
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.013	4.4	0.65

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Lithium (mg/L)	Magnesium (mg/L)	Manganese (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	0.2 mg/L
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	0.014	4.7	0.71
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.013	4.5	0.66
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	0.0071 U	2.85 U	0.229
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	0.0069 U	2.82 U	0.233
Alluvial Well LAO-0.8									
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.016	4	0.47
02-1021	AAB1349	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.008	2.6	0.006
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.007	3.1	0.017
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.005	2.9	0.003 U
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	0.0063 U	2.33 U	0.025
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	0.0038 U	1.74 U	0.0033 U
Alluvial Well LAO-R1									
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	0.018	4.4	0.003 U
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	0.021	5.1	0.003 U
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	0.014 U	2.75 J	0.0137 U
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	0.0107 J	2.27 J	0.0033 U
Alluvial Well LAO-0.91									
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.05 U	3.5	0.032
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.05 U	3.5	0.003 U
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.05 U	3.4	0.029
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.05 U	3.4	0.003 U
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.017	4.2	0.013
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.015	4.2	0.003 U
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	0.0069 U	2.13 J	0.0072 U
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	0.0062 U	2 J	0.0033 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Lithium (mg/L)	Magnesium (mg/L)	Manganese (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	0.2 mg/L
Alluvial Well LAO-1									
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	0.017	3.1	0.003 U
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	0.017	3	0.003 U
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	0.013 U	2.2 J	0.006 U
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	0.013 U	2.1 J	0.0033 U
Intermediate Well LAOI-1.1									
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	0.0075 J	1.73 J	0.0644
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	0.0057 J	1.17 J	0.0347
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	0.0067 U	2.14 J	0.0275
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	0.0105 J	1.57 J	0.0165 J
Alluvial Well LAO-1.6(g)									
LA-0001	04LA-96-0199	unfiltered	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA	NA	NA
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	0.0545 J	7.12	0.0084 J
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	NA	5.11	0.0034 J
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	NA	5.22	0.0032 J
Alluvial Well LLAO-2									
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	0.0613	14.2	0.682
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	0.0239	3.37 J	0.0442
LA-0045	04LA-97-0005	unfiltered	5-May-97	WGA	Los Alamos Canyon	22.25	NA	3.86 J	0.0805
LA-0045	04LA-97-0006	filtered	5-May-97	WGA	Los Alamos Canyon	22.25	NA	3.28 J	0.0209
Alluvial Well LLAO-4									
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.0419	5.39	0.0025 U
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.0428	5.24	0.0025 U
LA-0046	04LA-97-0007	unfiltered	7-May-97	WGA	Los Alamos Canyon	3.38	NA	5.34	0.0025 U
LA-0046	04LA-97-0008	filtered	7-May-97	WGA	Los Alamos Canyon	3.38	NA	5.4	0.0025 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Lithium (mg/L)	Magnesium (mg/L)	Manganese (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	0.2 mg/L
Alluvial Well LLAO-5									
LA-0002	04LA-96-0202	unfiltered	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA	NA	NA
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	0.0565	8.26	0.114
LA-0002	04LA-97-0009	unfiltered	7-May-97	WGA	Los Alamos Canyon	12	NA	8.6	0.0266 U
LA-0002	04LA-97-0010	filtered	7-May-97	WGA	Los Alamos Canyon	12	NA	8.57	0.0025 U
Intermediate Well LA-DP3									
21-1682	AAA6848	unfiltered	04-Nov-93	WGI	Los Alamos Canyon	n.a.	0.025	7.9	1.7
21-1682	AAA7498	filtered	01-Dec-93	WGI	Los Alamos Canyon	n.a.	0.019	5.2	0.63

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.

J = The reported value is an estimated quantity.

J- = The reported value is an estimated quantity, and biased high.

J+ = The reported value is an estimated quantity, and biased low.

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)
NM Ground Water Standard [b]							0.002 mg/L	1 mg/L	0.2 mg/L
Alluvial Well LAO-B									
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.0001 U	0.002 U	0.01 U
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.0001 U	0.008 U	0.01 U
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.0002	0.008 U	0.01 U
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.0002	0.008 U	0.02 U
41-1045	0441-95-0013	unfiltered	9-May-95	WGA	Los Alamos Canyon	7.54	0.0002 U	0.0089 U	0.0111 U
41-1045	0441-95-0014	filtered	9-May-95	WGA	Los Alamos Canyon	7.54	0.0002 U	0.0089 U	0.0172 U
Alluvial Well LAO-C									
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	0.0002	0.009	0.02 U
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	0.0002 U	0.008 U	0.01 U
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	0.0002 U	0.0089 U	0.0111 U
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	0.0002 U	0.0089 U	0.0111 U
Alluvial Well LAO-0.3									
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	0.0001 U	0.008 U	0.01 U
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	0.0001 U	0.008 U	0.01 U
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.0001 U	0.008 U	0.01 U
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.0001 U	0.008 U	0.01 U
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.0002	0.008 U	0.01 U
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.0002	0.008 U	0.01 U
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0002 U	0.009 U	0.0111 U
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0002 U	0.0089 U	0.012 U
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0002 U	0.0089 U	0.0111 U
Alluvial Well LAO-0.6									
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.0001 U	0.008 U	0.01 U
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.0001 U	0.008 U	0.01 U
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	0.0002	0.011	0.02 U
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.0002 U	0.008 U	0.01 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)
NM Ground Water Standard [b]							0.002 mg/L	1 mg/L	0.2 mg/L
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	0.0002	0.008 U	0.01 U
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.0002 U	0.008 U	0.01 U
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	0.0002 U	0.0089 U	0.0111 U
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	0.0002 U	0.0089 U	0.0111 U
Alluvial Well LAO-0.8									
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.0001 U	0.008 U	0.022
02-1021	AAB1349	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.0001 U	0.008 U	0.01 U
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.0001	0.008 U	0.01 U
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.0001	0.008 U	0.01 U
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	0.0002 U	0.0099 U	0.0132 U
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	0.0002 U	0.0096 U	0.0111 U
Alluvial Well LAO-R1									
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	0.0002 U	0.022	0.01 U
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	0.0002 U	0.008 U	0.013
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	0.0002 U	0.0335 U	0.0111 U
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	0.0002 U	0.0321 J	0.0111 U
Alluvial Well LAO-0.91									
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.0001	0.032	0.01 U
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.0001 U	0.029	0.01 U
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.0001	0.029	0.01 U
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.0001 U	0.029	0.01 U
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.0002 U	0.021	0.01 U
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.0002 U	0.021	0.011
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	0.0004 J	0.0134 U	0.0111 U
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	0.0002 U	0.0133 U	0.0111 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)
NM Ground Water Standard [b]							0.002 mg/L	1 mg/L	0.2 mg/L
Alluvial Well LAO-1									
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	0.0002	0.072	0.01 U
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	0.0002	0.07	0.01 U
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	0.0002 U	0.049 U	0.0111 U
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	0.0002 J	0.051 U	0.0111 U
Intermediate Well LAOI-1.1									
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	0.0002 U	0.0089 U	0.0111 UJ-
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	0.0002 U	0.0089 U	0.039 J-
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	0.0002 U	0.0156 U	0.0089 U
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	0.0002 U	0.0156 U	0.0089 U
Alluvial Well LAO-1.6(g)									
LA-0001	04LA-96-0199	unfiltered	19-Jul-96	WGA	Los Alamos Canyon	11.94	0.0002 U	NA	NA
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	0.0002 U	0.446	0.0072 U
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.0001 U	NA	0.015 U
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.0001 U	NA	0.015 U
Alluvial Well LLAO-2									
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	0.0001 UJ-	0.01 U	0.0179 J
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	0.0001 UJ-	0.01 U	0.015 U
LA-0045	04LA-97-0005	unfiltered	5-May-97	WGA	Los Alamos Canyon	22.25	0.0001 U	NA	0.015 U
LA-0045	04LA-97-0006	filtered	5-May-97	WGA	Los Alamos Canyon	22.25	0.0001 U	NA	0.015 U
Alluvial Well LLAO-4									
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.0001 U	0.01 U	0.015 U
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.0001 U	0.01 U	0.015 U
LA-0046	04LA-97-0007	unfiltered	7-May-97	WGA	Los Alamos Canyon	3.38	0.0001 U	NA	0.015 U
LA-0046	04LA-97-0008	filtered	7-May-97	WGA	Los Alamos Canyon	3.38	0.0001 U	NA	0.015 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)
NM Ground Water Standard [b]							0.002 mg/L	1 mg/L	0.2 mg/L
Alluvial Well LLAO-5									
LA-0002	04LA-96-0202	unfiltered	30-Jul-96	WGA	Los Alamos Canyon	23.5	0.0001 U	NA	NA
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	0.0001 U	0.0076 J	0.01 U
LA-0002	04LA-97-0009	unfiltered	7-May-97	WGA	Los Alamos Canyon	12	0.0001 U	NA	0.015 U
LA-0002	04LA-97-0010	filtered	7-May-97	WGA	Los Alamos Canyon	12	0.0001 U	NA	0.015 U
Intermediate Well LA-DP3									
21-1682	AAA6848	unfiltered	04-Nov-93	WGI	Los Alamos Canyon	n.a.	0.0002 U	0.008 U	0.01 U
21-1682	AAA7498	filtered	01-Dec-93	WGI	Los Alamos Canyon	n.a.	0.0002 U	0.032	0.04

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.

J = The reported value is an estimated quantity.

J- = The reported value is an estimated quantity, and biased high.

J+ = The reported value is an estimated quantity, and biased low.

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Potassium (mg/L)	Selenium (mg/L)	Silica (mg/L)
NM Ground Water Standard [b]							n.s.	0.05 mg/L	n.s.
Alluvial Well LAO-B									
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	2.4 U	0.002 U	15
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	2.7 U	0.002 U	14
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	3.3 U	0.002 U	17
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	2.6 U	0.002 U	17
41-1045	0441-95-0013	unfiltered	9-May-95	WGA	Los Alamos Canyon	7.54	2.59 U	0.0011 U	NA
41-1045	0441-95-0014	filtered	9-May-95	WGA	Los Alamos Canyon	7.54	2.22 U	0.0011 U	16
Alluvial Well LAO-C									
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	3.1 U	0.002 U	21
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	2.4 U	0.002 U	15
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	2 U	0.0011 U	NA
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	2.1 U	0.0011 U	17
Alluvial Well LAO-0.3									
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	2.7 U	0.002 U	18
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	2.8 U	0.002 U	16
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	3.2	0.003	15
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	3.3	0.004	17
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	3.7	0.002 U	21
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	3.6 U	0.002 U	18
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	2.5 U	0.0011 U	NA
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	2.1 U	0.0011 U	17
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	2.3 U	0.0011 U	17
Alluvial Well LAO-0.6									
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	4.2 U	0.002 U	14
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	5.2	0.002 U	21
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	5	0.003	19
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	4.7 U	0.001 U	18

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Potassium (mg/L)	Selenium (mg/L)	Silica (mg/L)
NM Ground Water Standard [b]							n.s.	0.05 mg/L	n.s.
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	5.1 U	0.002 U	20
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	4.8 U	0.001 U	18
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	3.11 U	0.0011 U	NA
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	3.08 U	0.0011 U	16
Alluvial Well LAO-0.8									
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	4.1 U	0.002 U	34
02-1021	AAB1349	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	3.1 U	0.002 U	15
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	3.5 U	0.003	17
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	3.4 U	0.002 U	16
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	2.52 U	0.0011 U	NA
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	2.01 U	0.0011 U	15
Alluvial Well LAO-R1									
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	4.5 U	0.001 U	22
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	5.4 U	0.001 U	20
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	3.59 U	0.0011 U	NA
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	2.83 U	0.0011 U	16
Alluvial Well LAO-0.91									
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	3.8 U	0.002 U	19
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	3.6 U	0.002 U	17
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	4.2 U	0.002 U	19
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	4.1 U	0.002 U	17
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	4.7 U	0.001 U	24
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	4.3 U	0.001 U	21
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	2.46 U	0.0011 U	NA
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	2.43 U	0.0011 U	18

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Potassium (mg/L)	Selenium (mg/L)	Silica (mg/L)
NM Ground Water Standard [b]							n.s.	0.05 mg/L	n.s.
Alluvial Well LAO-1									
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	3.4 U	0.002 U	18
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	3.5 U	0.002 U	17
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	2.5 U	0.0011 U	NA
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	2.5 U	0.0011 U	17
Intermediate Well LAOI-1.1									
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	5.63 U	0.0011 U	NA
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	4.69 U	0.0011 U	32
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	4.64 U	0.0033 U	38.3
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	4.04 U	0.0033 U	31
Alluvial Well LAO-1.6(g)									
LA-0001	04LA-96-0199	unfiltered	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA	NA	NA
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	5.67 U	0.0027 U	23
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	5.04 U	0.0025 U	NA
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	5.08 U	0.0025 U	30
Alluvial Well LLAO-2									
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	7.46 U	0.0125 U	NA
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	4.52 U	0.0025 U	24
LA-0045	04LA-97-0005	unfiltered	5-May-97	WGA	Los Alamos Canyon	22.25	4.39 U	0.0025 U	NA
LA-0045	04LA-97-0006	filtered	5-May-97	WGA	Los Alamos Canyon	22.25	4.24 U	0.0025 U	27
Alluvial Well LLAO-4									
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	2.85 U	0.0025 U	NA
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	2.94 U	0.0025 U	29
LA-0046	04LA-97-0007	unfiltered	7-May-97	WGA	Los Alamos Canyon	3.38	2.63 U	0.0025 U	NA
LA-0046	04LA-97-0008	filtered	7-May-97	WGA	Los Alamos Canyon	3.38	2.63 U	0.0025 U	27

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Potassium (mg/L)	Selenium (mg/L)	Silica (mg/L)
NM Ground Water Standard [b]							n.s.	0.05 mg/L	n.s.
Alluvial Well LLAO-5									
LA-0002	04LA-96-0202	unfiltered	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA	NA	NA
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	5.55 U	0.0028 U	23
LA-0002	04LA-97-0009	unfiltered	7-May-97	WGA	Los Alamos Canyon	12	4.18 U	0.0025 U	NA
LA-0002	04LA-97-0010	filtered	7-May-97	WGA	Los Alamos Canyon	12	4.17 U	0.0025 U	27
Intermediate Well LA-DP3									
21-1682	AAA6848	unfiltered	04-Nov-93	WGI	Los Alamos Canyon	n.a.	9.7	0.002 U	NA
21-1682	AAA7498	filtered	01-Dec-93	WGI	Los Alamos Canyon	n.a.	10	0.002 U	NA

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.

J = The reported value is an estimated quantity.

J- = The reported value is an estimated quantity, and biased high.

J+ = The reported value is an estimated quantity, and biased low.

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Silver (mg/L)	Sodium (mg/L)	Strontium (mg/L)
NM Ground Water Standard [b]							0.05 mg/L	n.s.	n.s.
Alluvial Well LAO-B									
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.01 U	6.3	0.06
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.01 U	6.3	0.059
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.01 U	6	0.075
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.01 U	5.6	0.071
41-1045	0441-95-0013	unfiltered	9-May-95	WGA	Los Alamos Canyon	7.54	0.0111 U	7.65	0.0703
41-1045	0441-95-0014	filtered	9-May-95	WGA	Los Alamos Canyon	7.54	0.0111 U	7.15	0.0653
Alluvial Well LAO-C									
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	0.018	29	0.071
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	0.012	25	0.059
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	0.0111 U	16 J-	0.0522
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	0.0111 U	1.6 J-	0.0511
Alluvial Well LAO-0.3									
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	0.2 U	36	0.076
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	0.2 U	36	0.073
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.01 U	34	0.096
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.01 U	34	0.098
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.01 U	38	0.1
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.01 U	37	0.097
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0111 U	21 J-	0.0633
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0111 U	22 J-	0.0622
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0111 U	21 J-	0.0622
Alluvial Well LAO-0.6									
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.01 U	57	0.17
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.01 U	58	0.18
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	0.01 U	45	0.16
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.01 U	45	0.16

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Silver (mg/L)	Sodium (mg/L)	Strontium (mg/L)
NM Ground Water Standard [b]							0.05 mg/L	n.s.	n.s.
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	0.01 U	47	0.17
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.01 U	46	0.16
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	0.0111 U	38.4 J-	0.114 U
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	0.0111 U	38.9 J-	0.114
Alluvial Well LAO-0.8									
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.01 U	43	0.11
02-1021	AAB1349	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.01 U	42	0.088
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.01 U	35	0.088
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.01 U	32	0.085
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	0.0111 U	14.2 J-	0.0614
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	0.0111 U	15.2 J-	0.0537
Alluvial Well LAO-R1									
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	0.01 U	32	0.16
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	0.01 U	33	0.066
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	0.0111 U	35.6	0.101
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	0.0111 U	32.2	0.0897
Alluvial Well LAO-0.91									
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.2 U	39	0.12
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.2 U	39	0.12
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.2 U	38	0.12
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.2 U	38	0.12
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.01 U	32	0.15
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.01 U	32	0.13
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	0.0111 U	19.2	0.0726
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	0.0111 U	19	0.0722

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Silver (mg/L)	Sodium (mg/L)	Strontium (mg/L)
NM Ground Water Standard [b]							0.05 mg/L	n.s.	n.s.
Alluvial Well LAO-1									
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	0.01 U	34	0.11
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	0.01 U	33	0.11
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	0.0111 U	33	0.0033 U
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	0.0111 U	33	0.079
Intermediate Well LAOI-1.1									
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	0.0111 U	12.5	0.0795
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	0.0111 U	12.8	0.056
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	0.0022 U	13.4	0.0504 J
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	0.0022 U	13.1	0.0389 J
Alluvial Well LAO-1.6(g)									
LA-0001	04LA-96-0199	unfiltered	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA	NA	NA
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	0.0007 UJ-	42.6	NA
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.005 U	33.6	NA
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.005 U	34.3	NA
Alluvial Well LLAO-2									
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	0.005 U	48.8	0.656
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	0.005 U	46.2	0.554
LA-0045	04LA-97-0005	unfiltered	5-May-97	WGA	Los Alamos Canyon	22.25	0.005 U	47.7	NA
LA-0045	04LA-97-0006	filtered	5-May-97	WGA	Los Alamos Canyon	22.25	0.005 U	47.9	NA
Alluvial Well LLAO-4									
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.005 U	37.4	0.446
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.005 U	36.8	0.443
LA-0046	04LA-97-0007	unfiltered	7-May-97	WGA	Los Alamos Canyon	3.38	0.005 U	34.7	NA
LA-0046	04LA-97-0008	filtered	7-May-97	WGA	Los Alamos Canyon	3.38	0.005 U	34.8	NA

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Silver (mg/L)	Sodium (mg/L)	Strontium (mg/L)
NM Ground Water Standard [b]							0.05 mg/L	n.s.	n.s.
Alluvial Well LLAO-5									
LA-0002	04LA-96-0202	unfiltered	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA	NA	NA
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	0.004 U	54.1	NA
LA-0002	04LA-97-0009	unfiltered	7-May-97	WGA	Los Alamos Canyon	12	0.005 U	69.1	NA
LA-0002	04LA-97-0010	filtered	7-May-97	WGA	Los Alamos Canyon	12	0.005 U	68.9	NA
Intermediate Well LA-DP3									
21-1682	AAA6848	unfiltered	04-Nov-93	WGI	Los Alamos Canyon	n.a.	0.01 U	38	0.19
21-1682	AAA7498	filtered	01-Dec-93	WGI	Los Alamos Canyon	n.a.	0.01 U	37	0.1

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.

J = The reported value is an estimated quantity.

J- = The reported value is an estimated quantity, and biased high.

J+ = The reported value is an estimated quantity, and biased low.

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Thallium (mg/L)	Titanium (mg/L)	Uranium (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	5 mg/L
Alluvial Well LAO-B									
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.002 U	NA	0.002 U
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.002 U	NA	0.002 U
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.0012 U	NA	0.0012 U
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.001 U	NA	0.001 U
41-1045	0441-95-0013	unfiltered	9-May-95	WGA	Los Alamos Canyon	7.54	0.0022 U	NA	0.0022 U
41-1045	0441-95-0014	filtered	9-May-95	WGA	Los Alamos Canyon	7.54	0.0022 U	NA	0.0022 U
Alluvial Well LAO-C									
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	0.002 U	NA	0.002 U
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	0.002 U	NA	0.002 U
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	0.0022 U	NA	0.0022 U
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	0.0022 U	NA	0.0022 U
Alluvial Well LAO-0.3									
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	0.001 U	NA	0.001 U
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	0.001 U	NA	0.001 U
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.002 U	NA	0.002 U
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.002 U	NA	0.002 U
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.0012 U	NA	0.0012 U
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.001 U	NA	0.001 U
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0022 U	NA	0.0022 U
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0022 U	NA	0.0022 U
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0022 U	NA	0.0022 U
Alluvial Well LAO-0.6									
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.002 U	NA	0.002 U
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.002 U	NA	0.002 U
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	0.001 U	NA	0.001 U
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.001 U	NA	0.001 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Thallium (mg/L)	Titanium (mg/L)	Uranium (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	5 mg/L
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	0.0012 U	NA	0.0012 U
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.001 U	NA	0.001 U
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	0.0011 U	NA	0.0011 U
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	0.0011 U	NA	0.0011 U
Alluvial Well LAO-0.8									
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.002 U	NA	0.002 U
02-1021	AAB1349	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.002 U	NA	0.002 U
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.001 U	NA	0.001 U
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.001 U	NA	0.001 U
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	0.0011 U	NA	0.0011 U
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	0.0011 U	NA	0.0011 U
Alluvial Well LAO-R1									
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	0.002 U	NA	0.002 U
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	0.003	NA	0.002 U
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	0.0022 U	NA	0.0022 U
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	0.0022 U	NA	0.0022 U
Alluvial Well LAO-0.91									
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.001 U	NA	0.001 U
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.001 U	NA	0.001 U
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.001 U	NA	0.001 U
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.001 U	NA	0.001 U
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.002 U	NA	0.002 U
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.002	NA	0.002 U
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	0.0022 U	NA	0.0022 U
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	0.0022 U	NA	0.0022 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Thallium (mg/L)	Titanium (mg/L)	Uranium (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	5 mg/L
Alluvial Well LAO-1									
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	0.002 U	NA	0.002 U
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	0.002 U	NA	0.002 U
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	0.0011 U	NA	0.0011 U
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	0.0022 U	NA	0.0022 U
Intermediate Well LAOI-1.1									
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	0.0022 U	NA	0.0022 U
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	0.0022 U	NA	0.0022 U
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	0.0011 U	NA	0.0024 J
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	0.0011 U	NA	0.0017 J
Alluvial Well LAO-1.6(g)									
LA-0001	04LA-96-0199	unfiltered	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA	NA	NA
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	0.0028 U	NA	0.0007 J
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.002 U	0.01 U	0.0001
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.002 U	0.01 U	0.0001
Alluvial Well LLAO-2									
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	0.002 U	NA	0.0032
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	0.002 U	NA	0.0026
LA-0045	04LA-97-0005	unfiltered	5-May-97	WGA	Los Alamos Canyon	22.25	0.002 U	0.0521	0.0024
LA-0045	04LA-97-0006	filtered	5-May-97	WGA	Los Alamos Canyon	22.25	0.002 U	0.01 U	0.0021
Alluvial Well LLAO-4									
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.002 U	NA	0.0011
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.002 U	NA	0.0011
LA-0046	04LA-97-0007	unfiltered	7-May-97	WGA	Los Alamos Canyon	3.38	0.002 U	0.01 U	0.0011
LA-0046	04LA-97-0008	filtered	7-May-97	WGA	Los Alamos Canyon	3.38	0.002 U	0.01 U	0.0011

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Thallium (mg/L)	Titanium (mg/L)	Uranium (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	5 mg/L
Alluvial Well LLAO-5									
LA-0002	04LA-96-0202	unfiltered	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA	NA	NA
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	0.0038 U	0.0112 J	0.0673 U
LA-0002	04LA-97-0009	unfiltered	7-May-97	WGA	Los Alamos Canyon	12	0.002 U	0.01 U	0.0074
LA-0002	04LA-97-0010	filtered	7-May-97	WGA	Los Alamos Canyon	12	0.002 U	0.01 U	0.0071
Intermediate Well LA-DP3									
21-1682	AAA6848	unfiltered	04-Nov-93	WGI	Los Alamos Canyon	n.a.	0.002 U	NA	NA
21-1682	AAA7498	filtered	01-Dec-93	WGI	Los Alamos Canyon	n.a.	0.001 U	NA	NA

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.

J = The reported value is an estimated quantity.

J- = The reported value is an estimated quantity, and biased high.

J+ = The reported value is an estimated quantity, and biased low.

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Vanadium (mg/L)	Zinc (mg/L)
NM Ground Water Standard [b]							n.s.	10 mg/L
Alluvial Well LAO-B								
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.004 U	0.02 U
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.004 U	0.02 U
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.004 U	0.02 U
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.004 U	0.02 U
41-1045	0441-95-0013	unfiltered	9-May-95	WGA	Los Alamos Canyon	7.54	0.0044 U	0.0222 U
41-1045	0441-95-0014	filtered	9-May-95	WGA	Los Alamos Canyon	7.54	0.0044 U	0.0222 U
Alluvial Well LAO-C								
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	0.006	0.02 U
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	0.004 U	0.02 U
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	0.0044 U	0.0222 U
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	0.0044 U	0.0222 U
Alluvial Well LAO-0.3								
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	0.03 U	0.02 U
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	0.03 U	0.02 U
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.004 U	0.02 U
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.004 U	0.02 U
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.004 U	0.02 U
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.004 U	0.02 U
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0044 U	0.0222 U
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0044 U	0.0222 U
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.0044 U	0.0222 U
Alluvial Well LAO-0.6								
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.004 U	0.02 U
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.006	0.065
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	0.005	0.02 U
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.004 U	0.02 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Vanadium (mg/L)	Zinc (mg/L)
NM Ground Water Standard [b]							n.s.	10 mg/L
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	0.004 U	0.02 U
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.004 U	0.02 U
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	0.0044 U	0.0222 U
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	0.0044 U	0.0222 U
Alluvial Well LAO-0.8								
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.012	0.068
02-1021	AAB1349	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.006	0.02 U
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.005	0.02 U
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.007	0.02 U
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	0.0066 U	0.0222 U
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	0.0044 U	0.0222 U
Alluvial Well LAO-R1								
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	0.006	0.034
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	0.005	0.052
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	0.0074 U	0.0391 J-
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	0.0051 J	0.0222 U
Alluvial Well LAO-0.91								
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.03 U	0.02 U
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.03 U	0.02 U
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.03 U	0.02 U
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.03 U	0.02 U
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.007	0.02 U
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.006	0.024
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	0.0044 U	0.0222 U
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	0.0047 U	0.0222 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Vanadium (mg/L)	Zinc (mg/L)
NM Ground Water Standard [b]							n.s.	10 mg/L
Alluvial Well LAO-1								
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	0.004 U	0.02 U
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	0.004 U	0.02 U
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	0.0044 U	0.0222
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	0.0044 U	0.0222 U
Intermediate Well LAOI-1.1								
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	0.0044 U	0.338 J-
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	0.0044 U	0.0587 J-
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	0.0067 U	0.0622
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	0.0067 U	0.0412
Alluvial Well LAO-1.6(g)								
LA-0001	04LA-96-0199	unfiltered	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA	NA
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	0.0035 J	0.0066 U
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.01 U	0.0138 J
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.01 U	0.0121 J
Alluvial Well LLAO-2								
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	0.0327 J	0.0399
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	0.01 U	0.0054 J
LA-0045	04LA-97-0005	unfiltered	5-May-97	WGA	Los Alamos Canyon	22.25	0.01 U	0.0138 U
LA-0045	04LA-97-0006	filtered	5-May-97	WGA	Los Alamos Canyon	22.25	0.01 U	0.0369 U
Alluvial Well LLAO-4								
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.01 U	0.005 U
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.01 U	0.005 U
LA-0046	04LA-97-0007	unfiltered	7-May-97	WGA	Los Alamos Canyon	3.38	0.01 U	0.0121 U
LA-0046	04LA-97-0008	filtered	7-May-97	WGA	Los Alamos Canyon	3.38	0.01 U	0.0174 U

Table LA-1
Los Alamos Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Vanadium (mg/L)	Zinc (mg/L)
NM Ground Water Standard [b]							n.s.	10 mg/L
Alluvial Well LLAO-5								
LA-0002	04LA-96-0202	unfiltered	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA	NA
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	0.0159 U	0.0133 U
LA-0002	04LA-97-0009	unfiltered	7-May-97	WGA	Los Alamos Canyon	12	0.01 U	0.0218 U
LA-0002	04LA-97-0010	filtered	7-May-97	WGA	Los Alamos Canyon	12	0.01 U	0.0071 U
Intermediate Well LA-DP3								
21-1682	AAA6848	unfiltered	04-Nov-93	WGI	Los Alamos Canyon	n.a.	0.004 U	0.25
21-1682	AAA7498	filtered	01-Dec-93	WGI	Los Alamos Canyon	n.a.	0.004 U	0.31

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.

J = The reported value is an estimated quantity.

J- = The reported value is an estimated quantity, and biased high.

J+ = The reported value is an estimated quantity, and biased low.

Table LA-2
Los Alamos Canyon Groundwater Data for Detected Organic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Acetone (mg/L)	Bis(2-ethylhexyl)phthalate (mg/L)
NM Ground Water Standard [b]							n.s. [c]	n.s.
Alluvial Well LAO-B								
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.005 U	0.006 U
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.005 U	0.005 U
41-1045	AAB8547	unfiltered	17-Jan-95	WGA	Los Alamos Canyon	22.91	0.005 U	0.01 U
41-1045	0441-95-0013	unfiltered	09-May-95	WGA	Los Alamos Canyon	7.54	NA [f]	0.01 U
Alluvial Well LAO-C								
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	0.005 U	0.005 U
41-1004	AAB8538	unfiltered	26-Jan-95	WGA	Los Alamos Canyon	11.98	0.005 U	0.005 U
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	NA	0.005 U
Alluvial Well LAO-0.3								
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.005 U	0.006 U
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.005 U	0.016 U
41-1003	AAB8539	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	10.18	0.005 U	0.005 U
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	NA	0.005 U
Alluvial Well LAO-0.6								
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.005 U	0.005 U
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.[d]	0.005 U	0.005 U
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	0.005 U	0.005 U
41-1002	AAB8543	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.005 U	0.005 U
41-1002	AAB8544	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.007	0.006 U
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	NA	0.005 U
Alluvial Well LAO-0.8								
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.005 U	0.006 U
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.02 U	0.01 U
41-1021	AAB8546	unfiltered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	0.005 U	0.009 U
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	0.005 U	0.005 U
Alluvial Well LAO-R1								
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	0.02 U	0.01 U
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	NA	0.005 U
Alluvial Well LAO-0.91								
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.005 U	0.006 U
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.005 U	0.006 U

Table LA-2
Los Alamos Canyon Groundwater Data for Detected Organic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Acetone (mg/L)	Bis(2-ethylhexyl)phthalate (mg/L)
NM Ground Water Standard [b]							n.s. [c]	n.s.
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.02 U	0.011 U
02-1022	AAB8545	unfiltered	19-Jan-95	WGA	Los Alamos Canyon	10.05	0.005 U	0.01 U
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	NA	0.005 U
Alluvial Well LAO-1								
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	0.02 U	0.01 U
02-1076	AAB8428	unfiltered	23-Jan-95	WGA	Los Alamos Canyon	7.79	0.005 U	0.006 U
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	NA	0.005 U
Intermediate Well LAOI-1.1								
02-1078	AAB8584	unfiltered	16-Feb-95	WGI	Los Alamos Canyon	307	0.011 U	0.006 U
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	NA	0.006 U
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	NA	0.006 U
Alluvial Well LLAO-2								
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	0.02 U	0.001 U
Alluvial Well LLAO-4								
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.02 U	0.003 J
Intermediate Well LADP-3								
21-1682	AAA6848	unfiltered	04-Nov-93	WGI	Los Alamos Canyon	n.a.	0.02 U	0.01 U
21-1682	AAA7498	filtered	01-Dec-93	WGI	Los Alamos Canyon	n.a.	0.053 U	0.01 U

Notes:

(a) WGA Alluvial water, ground; WGI = Intermediate water, ground

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. Filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

J = The reported value is an estimated quantity.

Table LA-2
Los Alamos Canyon Groundwater Data for Detected Organic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Trichloroethane [1,1,1-] (mg/L)	Nitrosodiphenylamine[N-] (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.
Alluvial Well LAO-B								
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.001 U	0.006 U
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.001 U	0.005 U
41-1045	AAB8547	unfiltered	17-Jan-95	WGA	Los Alamos Canyon	22.91	0.001 U	0.01 U
41-1045	0441-95-0013	unfiltered	09-May-95	WGA	Los Alamos Canyon	7.54	NA	0.01 U
Alluvial Well LAO-C								
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	0.001 U	0.005 U
41-1004	AAB8538	unfiltered	26-Jan-95	WGA	Los Alamos Canyon	11.98	0.001 U	0.005 U
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	NA	0.005 U
Alluvial Well LAO-0.3								
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.001 U	0.006 U
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.001 U	0.005 U
41-1003	AAB8539	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	10.18	0.001 U	0.005 U
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	NA	0.005 U
Alluvial Well LAO-0.6								
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.001 U	0.005 U
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.[d]	0.001 U	0.005 U
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	0.001 U	0.005 U
41-1002	AAB8543	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.001 U	0.005 U
41-1002	AAB8544	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.001 U	0.006 U
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	NA	0.005 U
Alluvial Well LAO-0.8								
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.001 U	0.006 U
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.005 U	0.01 U
41-1021	AAB8546	unfiltered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	0.001 U	0.005 U
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	0.001 U	0.005 U
Alluvial Well LAO-R1								
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	0.005 U	0.01 U
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	NA	0.005 U
Alluvial Well LAO-0.91								
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.001 U	0.006 U
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.001 U	0.006 U

Table LA-2
Los Alamos Canyon Groundwater Data for Detected Organic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Trichloroethane [1,1,1-] (mg/L)	Nitrosodiphenylamine[N-] (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.005 U	0.011 U
02-1022	AAB8545	unfiltered	19-Jan-95	WGA	Los Alamos Canyon	10.05	0.001 U	0.01 U
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	NA	0.005 U
Alluvial Well LAO-1								
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	0.1 U	0.01 U
02-1076	AAB8428	unfiltered	23-Jan-95	WGA	Los Alamos Canyon	7.79	0.001 U	0.006 U
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	NA	0.005 U
Intermediate Well LAOI-1.1								
02-1078	AAB8584	unfiltered	16-Feb-95	WGI	Los Alamos Canyon	307	0.001 U	0.006 U
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	NA	0.006 U
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	NA	0.006 U
Alluvial Well LLAO-2								
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	0.005 U	0.01 U
Alluvial Well LLAO-4								
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.02	0.01 U
Intermediate Well LADP-3								
21-1682	AAA6848	unfiltered	04-Nov-93	WGI	Los Alamos Canyon	n.a.	0.005 U	0.01 U
21-1682	AAA7498	filtered	01-Dec-93	WGI	Los Alamos Canyon	n.a.	0.005 U	0.12

Notes:

(a) WGA Alluvial water, ground; WGI = Intermediate water, ground

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. Filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) n.a. = not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

J = The reported value is an estimated quantity.

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Americium-241 (pCi/L)			Gross Alpha Radiation (pCi/L)	Gross Beta Radiation (pCi/L)
NM Ground Water Standard							n.s. [b]			n.s.	n.s.
Alluvial Well LAO-B											
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.01	(0.01) [g]	U	NA [c]	NA
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.02	(0.02)	U	NA	NA
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.673	(0.07)		NA	NA
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.01	(0.01)	U	NA	NA
41-1045	AAB8559	filtered	15-Jan-95	WGA	Los Alamos Canyon	22.91	0.022	(0.02)	U	NA	NA
41-1045	AAB8547	unfiltered	17-Jan-95	WGA	Los Alamos Canyon	n.a.	0.017	(0.01)	U	NA	NA
41-1045	0441-95-0013	unfiltered	09-May-95	WGA	Los Alamos Canyon	7.54	0.025	(0.02)	U	NA	NA
41-1045	0441-95-0014	filtered	09-May-95	WGA	Los Alamos Canyon	7.54	0.034	(0.02)	U	NA	NA
Alluvial Well LAO-C											
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	0.015	(0.01)	U	NA	NA
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	0.018	(0.01)	U	NA	NA
41-1004	AAB8538	unfiltered	26-Jan-95	WGA	Los Alamos Canyon	11.98	0.053	(0.03)	U	NA	NA
41-1004	AAB8557	filtered	26-Jan-95	WGA	Los Alamos Canyon	11.98	0.014	(0.01)	U	NA	NA
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	0.026	(0.02)	U	NA	NA
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	0.031	(0.02)	U	NA	NA
Alluvial Well LAO-0.3											
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.02	(0.02)	U	NA	NA
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.02	(0.01)	U	NA	NA
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.022	(0.02)	U	NA	NA
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.012	(0.01)	U	NA	NA
41-1003	AAB8539	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	10.18	0.011	(0.01)	U	NA	NA
41-1003	AAB8563	filtered	24-Jan-95	WGA	Los Alamos Canyon	10.18	0.014	(0.01)	U	NA	NA
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	0.026	(0.01)	U	NA	NA
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.026	(0.02)	U	NA	NA
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.019	(0.01)	U	NA	NA
Alluvial Well LAO-0.6											
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.032	(0.02)	U	NA	NA
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.02	(0.01)	U	NA	NA
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	0.013	(0.01)	U	NA	NA

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Americium-241 (pCi/L)			Gross Alpha Radiation (pCi/L)	Gross Beta Radiation (pCi/L)
NM Ground Water Standard							n.s. [b]			n.s.	n.s.
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.013	(0.01)	U	NA	NA
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	0.013	(0.01)	U	NA	NA
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.011	(0.01)	U	NA	NA
41-1002	AAB8543	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.023	(0.02)	U	NA	NA
41-1002	AAB8544	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.031	(0.019)	U	NA	NA
41-1002	AAB8561	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.064	(0.03)	U	NA	NA
41-1002	AAB8562	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.082	(0.03)	U	NA	NA
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	0.026	(0.02)	U	NA	NA
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	0.019	(0.01)	U	NA	NA
Alluvial Well LAO-0.8											
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.027	(0.02)	U	NA	NA
02-1021	AAB1349	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.03	(0.01)		NA	NA
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.055	(0.03)	U	NA	NA
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.023	(0.02)	U	NA	NA
41-1021	AAB8546	unfiltered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	0.029	(0.02)	U	NA	NA
41-1021	AAB8555	filtered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	0.023	(0.02)	U	NA	NA
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	0.012	(0.01)	U	NA	NA
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	0.014	(0.01)	U	NA	NA
Alluvial Well LAO-R1											
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	0.242	(0.05)		NA	NA
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	0.034	(0.02)	U	NA	NA
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	0.019	(0.01)	U	NA	NA
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	0.045	(0.02)	U	NA	NA
Alluvial Well LAO-0.91											
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.02	(0.01)	U	NA	NA
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.14	(0.02)		NA	NA
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.03	(0.01)	U	NA	NA
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.03	(0.01)	U	NA	NA
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.041	(0.02)	U	NA	NA
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.028	(0.02)	U	NA	NA
02-1022	AAB8545	unfiltered	19-Jan-95	WGA	Los Alamos Canyon	10.05	0.028	(0.02)	U	NA	NA
02-1022	AAB8560	filtered	19-Jan-95	WGA	Los Alamos Canyon	10.05	0.032	(0.02)	U	NA	NA

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Americium-241 (pCi/L)			Gross Alpha Radiation (pCi/L)			Gross Beta Radiation (pCi/L)	
NM Ground Water Standard							n.s. [b]			n.s.			n.s.	
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	0.017	(0.01)	U	NA			NA	
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	0.025	(0.01)	U	NA			NA	
Alluvial Well LAO-1														
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	0.084	(0.03)	U	NA			NA	
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	0.204	(0.05)		NA			NA	
02-1076	AAB8428	unfiltered	23-Jan-95	WGA	Los Alamos Canyon	7.79	0.012	(0.01)	U	NA			NA	
02-1076	AAB8558	filtered	23-Jan-95	WGA	Los Alamos Canyon	7.79	0.029	(0.02)	U	NA			NA	
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	0.103	(0.03)	U	NA			NA	
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	0.025	(0.01)	U	NA			NA	
Intermediate Well LAOI-1.1														
02-1078	AAB8584	unfiltered	16-Feb-95	WGI	Los Alamos Canyon	307	0.01	(0.01)	U	NA			NA	
02-1078	AAB8585	filtered	16-Feb-95	WGI	Los Alamos Canyon	307	0.02	(0.01)	U	NA			NA	
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	0.022	(0.01)	U	NA			NA	
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	0.032	(0.02)	U	NA			NA	
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	0.03	(0.01)	U	NA			NA	
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	0.034	(0.02)	U	NA			NA	
Alluvial Well LAO-1.6(g)														
LA-0001	04LA-96-0201	n.a. [d]	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA			NA			NA	
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.27	(0.13)	U	1.85	(0.4)		7.38	(0.51)
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.33	(0.15)	U	4.87	(0.53)		14.5	(0.6)
Alluvial Well LLAO-2														
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	0.06	(0.02)	U	NA			NA	
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	0.05	(0.01)	U	NA			NA	
LA-0045	04LA-97-0005	unfiltered	05-May-97	WGA	Los Alamos Canyon	22.25	0.52	(0.25)	U	4.62	(0.79)		8.01	(0.94)
LA-0045	04LA-97-0006	filtered	05-May-97	WGA	Los Alamos Canyon	22.25	0.29	(0.09)		3.03	(0.65)		4.52	(0.81)
Alluvial Well LLAO-4														
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.0225	(0.02)	U	NA			NA	
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.018	(0.01)	U	NA			NA	
LA-0046	04LA-97-0007	unfiltered	07-May-97	WGA	Los Alamos Canyon	3.38	-0.01	(0.01)	U	1	(0.52)	U	5.42	(0.66)
LA-0046	04LA-97-0008	filtered	07-May-97	WGA	Los Alamos Canyon	3.38	0.08	(0.05)	U	1.63	(0.52)		6.55	(0.64)
Alluvial Well LLAO-5														

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Americium-241 (pCi/L)			Gross Alpha Radiation (pCi/L)			Gross Beta Radiation (pCi/L)		
NM Ground Water Standard							n.s. [b]			n.s.			n.s.		
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	0.009	(0.03)	U	3.7	(0.61)	U	10	(1.64)	U
LA-0002	04LA-96-0204	n.a.	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA			NA			NA		
LA-0002	04LA-97-0009	unfiltered	07-May-97	WGA	Los Alamos Canyon	12	-0.01	(0.03)	U	6.37	(1.22)		11.85	(1.33)	
LA-0002	04LA-97-0010	filtered	07-May-97	WGA	Los Alamos Canyon	12	0.08	(0.06)	U	8.19	(1.2)		11.67	(1.04)	
Intermediate Well LADP-3															
21-1682	AAA6848	unfiltered	04-Nov-93	WGI	Los Alamos Canyon	n.a.	NA			170	(40)		39	(4)	
21-1682	AAA7498	filtered	01-Dec-93	WGI	Los Alamos Canyon	n.a.	NA			NA			NA		

NOTES:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) n.s. = No standard. A numerical standard is not available.

(c) NA = Not Analyzed

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1.

(f) NUR = No uncertainty reported

(g) 1 Sigma uncertainty

(h) Tritium samples are unfiltered in all cases

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

UJ- = The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit, with a low bias.

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Plutonium-238 (pCi/L)			Plutonium-239 (pCi/L)			Radium-226 (pCi/L)		
NM Ground Water Standard							n.s.			n.s.			n.s.		
Alluvial Well LAO-B															
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.002	(0.01)	U	0.405	(0.07)		0.11	(0.04)	U
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.007	(0.01)	U	0.008	(0.01)	U	0.09	(0.06)	U
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.014	(0.01)	U	0.006	(0.01)	U	0.1	(0.05)	U
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.01	(0.01)	U	0.003	(0.01)	U	0.15	(0.05)	U
41-1045	AAB8559	filtered	15-Jan-95	WGA	Los Alamos Canyon	22.91	0.015	(0.02)	U	0.003	(0.01)	U	0.05	(0.04)	U
41-1045	AAB8547	unfiltered	17-Jan-95	WGA	Los Alamos Canyon	n.a.	0.013	(0.02)	U	0.007	(0.01)	U	0.07	(0.05)	U
41-1045	0441-95-0013	unfiltered	09-May-95	WGA	Los Alamos Canyon	7.54	0.021	(0.02)	U	0.009	(0.01)	U	0.59	(0.14)	
41-1045	0441-95-0014	filtered	09-May-95	WGA	Los Alamos Canyon	7.54	0.014	(0.01)	U	0.008	(0.01)	U	0.26	(0.09)	
Alluvial Well LAO-C															
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	0.008	(0.01)	U	0.007	(0.01)	U	0.16	(0.05)	
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	0.009	(0.01)	U	0.008	(0.01)	U	0.18	(0.09)	U
41-1004	AAB8538	unfiltered	26-Jan-95	WGA	Los Alamos Canyon	11.98	0.01	(0.01)	U	0.005	(0.01)	U	0.09	(0.06)	U
41-1004	AAB8557	filtered	26-Jan-95	WGA	Los Alamos Canyon	11.98	0.02	(0.02)	U	0.005	(0.01)	U	0.13	(0.05)	U
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	0.01	(0.01)	U	0.007	(0.01)	U	0.29	(0.10)	
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	0.01	(0.01)	U	0.011	(0.01)	U	0.16	(0.06)	U
Alluvial Well LAO-0.3															
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.011	(0.02)	U	0.162	(0.06)	U	0.09	(0.05)	U
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.009	(0.01)	U	0.252	(0.07)		0.12	(0.05)	U
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.03	(0.02)	U	0.288	(0.06)		0.17	(0.05)	
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.007	(0.02)	U	0.02	(0.01)	U	0.12	(0.05)	U
41-1003	AAB8539	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	10.18	0.011	(0.01)	U	0.19	(0.05)		0.07	(0.04)	U
41-1003	AAB8563	filtered	24-Jan-95	WGA	Los Alamos Canyon	10.18	0.011	(0.01)	U	0.029	(0.02)	U	0.1	(0.05)	U
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	0.023	(0.02)	U	0.094	(0.03)		0.37	(0.11)	
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.016	(0.01)	U	0.107	(0.03)		0.39	(0.11)	
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.024	(0.01)	U	0.069	(0.02)	U	0.58	(0.13)	
Alluvial Well LAO-0.6															
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.017	(0.02)	U	0.94	(0.09)		0.34	(0.04)	
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.001	)	U	0.06	(0.02)		0.56	(0.05)	
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	0.022	(0.01)	U	0.014	(0.01)	U	0.15	(0.05)	

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Plutonium-238 (pCi/L)			Plutonium-239 (pCi/L)			Radium-226 (pCi/L)		
NM Ground Water Standard							n.s.			n.s.			n.s.		
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.01	(0.01)	U	0.005	(0.004)	U	0.27	(0.07)	
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	0.012	(0.01)	U	0.018	(0.01)	U	0.14	(0.05)	
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.012	(0.01)	U	0.007	(0.01)	U	0.13	(0.04)	
41-1002	AAB8543	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.023	(0.02)	U	0.009	(0.01)	U	0.18	(0.05)	
41-1002	AAB8544	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.016	(0.01)	U	0.015	(0.01)	U	0.15	(0.06)	U
41-1002	AAB8561	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.022	(0.02)	U	0.007	(0.01)	U	0.11	(0.05)	U
41-1002	AAB8562	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.015	(0.01)	U	0.007	(0.01)	U	0.1	(0.05)	U
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	0.027	(0.02)	U	0.043	(0.02)	U	0.15	(0.05)	U
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	0.024	(0.02)	U	0.01	(0.01)	U	0.19	(0.08)	U
Alluvial Well LAO-0.8															
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.045	(0.03)	U	0.027	(0.02)	U	0.35	(0.1)	
02-1021	AAB1349	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.01	(0.01)	U	0.01	(0.01)	U	0.14	(0.03)	
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.018	(0.02)	U	0.062	(0.03)	U	0.16	(0.05)	
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.009	(0.01)	U	0.007	(0.01)	U	0.08	(0.04)	U
41-1021	AAB8546	unfiltered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	0.009	(0.01)	U	0.036	(0.02)	U	0.14	(0.06)	U
41-1021	AAB8555	filtered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	0.012	(0.01)	U	0.009	(0.01)	U	0.21	(0.07)	
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	0.017	(0.01)	U	0.018	(0.01)	U	0.27	(0.09)	
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	0.005	(0.01)	U	0.005	(0.01)	U	0.15	(0.06)	U
Alluvial Well LAO-R1															
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	0.025	(0.02)	U	0.02	(0.02)	U	0.14	(0.06)	U
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	0.012	(0.02)	U	0.031	(0.02)	U	0.16	(0.06)	U
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	0.015	(0.01)	U	0.015	(0.01)	U	0.13	(0.07)	U
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	0.015	(0.01)	U	-0.006	(0.01)	U	0.18	(0.07)	U
Alluvial Well LAO-0.91															
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.02	(0.01)	U	0.05	(0.02)		0.35	(0.09)	
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.02	(0.01)	U	0.01	(0.01)	U	0.17	(0.02)	
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.01	(0.01)	U	0.05	(0.02)		0.39	(0.11)	
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.03	(0.01)	U	0.03	(0.01)	U	0.86	(0.25)	
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.022	(0.02)	U	0.048	(0.02)	U	0.18	(0.07)	U
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.018	(0.02)	U	0.018	(0.02)	U	0.18	(0.07)	U
02-1022	AAB8545	unfiltered	19-Jan-95	WGA	Los Alamos Canyon	10.05	0.016	(0.02)	U	0.03	(0.02)	U	0.05	(0.05)	U
02-1022	AAB8560	filtered	19-Jan-95	WGA	Los Alamos Canyon	10.05	0.023	(0.02)	U	0.006	(0.01)	U	0.06	(0.04)	U

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Plutonium-238 (pCi/L)			Plutonium-239 (pCi/L)			Radium-226 (pCi/L)		
NM Ground Water Standard							n.s.			n.s.			n.s.		
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	0.016	(0.01)	U	0.016	(0.01)	U	0.17	(0.08)	U
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	0.009	(0.01)	U	0.023	(0.02)	U	0.1	(0.06)	U
Alluvial Well LAO-1															
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	0.024	(0.02)	U	0.081	(0.03)	U	0.16	(0.06)	U
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	0.012	(0.01)	U	0.011	(0.01)	U	0.09	(0.06)	U
02-1076	AAB8428	unfiltered	23-Jan-95	WGA	Los Alamos Canyon	7.79	0.014	(0.01)	U	0.03	(0.02)	U	0.13	(0.06)	U
02-1076	AAB8558	filtered	23-Jan-95	WGA	Los Alamos Canyon	7.79	0.02	(0.01)	U	0.019	(0.02)	U	0.13	(0.06)	U
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	0.02	(0.02)	U	0.022	(0.02)	U	0.22	(0.08)	U
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	0.011	(0.01)	U	0.007	(0.01)	U	0.12	(0.06)	U
Intermediate Well LAOI-1.1															
02-1078	AAB8584	unfiltered	16-Feb-95	WGI	Los Alamos Canyon	307	0.01	(0.01)	U	0.01	(0.01)	U	0.63	(0.16)	
02-1078	AAB8585	filtered	16-Feb-95	WGI	Los Alamos Canyon	307	0	(0.01)	U	0.01	(0.01)	U	0.3	(0.1)	U
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	0.009	(0.01)	U	0.009	(0.01)	U	0.73	(0.11)	
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	0.011	(0.01)	U	0.008	(0.01)	U	0.47	(0.08)	
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	0.005	(0.01)	U	0.003	(0.01)	U	0.15	(0.07)	U
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	0.007	(0.01)	U	0.012	(0.01)	U	0.26	(0.09)	
Alluvial Well LAO-1.6(g)															
LA-0001	04LA-96-0201	n.a. [d]	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA			NA			NA		
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.02	(0.02)	U	0.07	(0.04)	U	NA		
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.03	(0.03)	U	0.08	(0.05)	U	NA		
Alluvial Well LLAO-2															
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	-0.05	(0.02)	U	0	(0.02)	U	NA		
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	0.02	(0.01)	U	0.04	(0.01)	U	NA		
LA-0045	04LA-97-0005	unfiltered	05-May-97	WGA	Los Alamos Canyon	22.25	0	NUR	U	0.02	(0.02)	U	NA		
LA-0045	04LA-97-0006	filtered	05-May-97	WGA	Los Alamos Canyon	22.25	0	NUR	U	0.09	(0.05)	U	NA		
Alluvial Well LLAO-4															
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	-0.0045	(0.03)	U	-0.018	(0.08)	U	NA		
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.0045	(0.001)	U	0.009	(0.01)	U	NA		
LA-0046	04LA-97-0007	unfiltered	07-May-97	WGA	Los Alamos Canyon	3.38	0.02	(0.02)	U	0.02	(0.02)	U	NA		
LA-0046	04LA-97-0008	filtered	07-May-97	WGA	Los Alamos Canyon	3.38	0.04	(0.03)	U	0.07	(0.04)	U	NA		
Alluvial Well LLAO-5															

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Plutonium-238 (pCi/L)			Plutonium-239 (pCi/L)			Radium-226 (pCi/L)
NM Ground Water Standard							n.s.			n.s.			n.s.
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	0.0135	(0.01)	U	0.009	(0.01)	U	NA
LA-0002	04LA-96-0204	n.a.	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA			NA			NA
LA-0002	04LA-97-0009	unfiltered	07-May-97	WGA	Los Alamos Canyon	12	0.04	(0.03)	U	0		U	NA
LA-0002	04LA-97-0010	filtered	07-May-97	WGA	Los Alamos Canyon	12	0	NUR	U	0.04	(0.03)	U	NA
Intermediate Well LADP-3													
21-1682	AAA6848	unfiltered	04-Nov-93	WGI	Los Alamos Canyon	n.a.	-0.004	(0.03)	U	0.034	(0.02)	U	NA
21-1682	AAA7498	filtered	01-Dec-93	WGI	Los Alamos Canyon	n.a.	0.0009	(0.02)	U	0.012	(0.02)	U	NA

NOTES:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) n.s. = No standard. A numerical standard is not available.

(c) NA = Not Analyzed

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1.

(f) NUR = No uncertainty reported

(g) 1 Sigma uncertainty

(h) Tritium samples are unfiltered in all cases

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

UJ- = The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit, with a low bias.

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Strontium-90 (pCi/L)			Technetium-99 (pCi/L)			Thorium-230 (pCi/L)		
NM Ground Water Standard							n.s.			n.s.			n.s.		
Alluvial Well LAO-B															
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	-0.2	(0.34)	U	0.6	NUR [f]	U	0.17	(0.05)	U
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	-0.06	(0.40)	U	0.6	NUR	U	0.17	(0.05)	U
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	-0.22	(0.22)	U	0.7	NUR	U	0.09	(0.03)	
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	-0.2	(0.22)	U	0.7	NUR	U	0.05	(0.02)	
41-1045	AAB8559	filtered	15-Jan-95	WGA	Los Alamos Canyon	22.91	0.67	(0.55)	U	0.7	NUR	U	0.23	(0.07)	
41-1045	AAB8547	unfiltered	17-Jan-95	WGA	Los Alamos Canyon	n.a.	-0.75	(0.51)	U	0.7	NUR	U	0.19	(0.06)	
41-1045	0441-95-0013	unfiltered	09-May-95	WGA	Los Alamos Canyon	7.54	0.57	(0.37)	U	0.6	NUR	U	0.28	(0.07)	
41-1045	0441-95-0014	filtered	09-May-95	WGA	Los Alamos Canyon	7.54	0.67	(0.36)	U	0.6	NUR	U	0.283	(0.06)	
Alluvial Well LAO-C															
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	0.11	(0.22)	U	0.5	NUR	U	0.09	(0.02)	
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	-0.24	(0.22)	U	0.5	NUR	U	0.06	(0.02)	
41-1004	AAB8538	unfiltered	26-Jan-95	WGA	Los Alamos Canyon	11.98	-1.2	(0.52)	U	0.7	NUR	U	0.28	(0.08)	
41-1004	AAB8557	filtered	26-Jan-95	WGA	Los Alamos Canyon	11.98	-1.03	(0.48)	U	0.7	NUR	U	0.14	(0.05)	U
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	-0.32	(0.41)	U	0.6	NUR	U	0.163	(0.05)	
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	-310	(398)	U	0.6	NUR	U	0.19	(0.05)	
Alluvial Well LAO-0.3															
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.41	(0.36)	U	0.6	NUR	U	0.23	(0.08)	U
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	-0.13	(0.35)	U	0.6	NUR	U	0.19	(0.06)	U
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	-0.25	(0.30)	U	0.7	NUR	U	0.09	(0.04)	U
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.02	(0.23)	U	0.7	NUR	U	0.05	(0.02)	U
41-1003	AAB8539	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	10.18	-0.25	(0.43)	U	0.7	NUR	U	0.19	(0.06)	
41-1003	AAB8563	filtered	24-Jan-95	WGA	Los Alamos Canyon	10.18	-0.56	(0.44)	U	0.7	NUR	U	0.12	(0.05)	U
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	-0.16	(0.36)	U	0.6	NUR	U	0.212	(0.06)	
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	-0.25	(0.37)	U	0.6	NUR	U	0.201	(0.06)	
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	-0.54	(0.36)	U	0.6	NUR	U	0.144	(0.05)	
Alluvial Well LAO-0.6															
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.26	(0.34)	U	0.7	NUR	U	0.498	(0.08)	
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	-0.23	(0.26)	U	0.7	NUR	U	0.428	(0.08)	
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	-0.12	(0.22)	U	0.7	NUR	U	0.08	(0.03)	U

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Strontium-90 (pCi/L)			Technetium-99 (pCi/L)			Thorium-230 (pCi/L)		
NM Ground Water Standard							n.s.			n.s.			n.s.		
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.25	(0.26)	U	0.7	NUR	U	0.05	(0.02)	U
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	0.25	(0.22)	U	0.7	NUR	U	0.06	(0.02)	
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.47	(0.26)	U	0.7	NUR	U	0.08	(0.03)	
41-1002	AAB8543	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.16	(0.46)	U	0.7	NUR	U	0.14	(0.05)	U
41-1002	AAB8544	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	12.46	-0.29	(0.45)	U	0.7	NUR	U	0.15	(0.05)	U
41-1002	AAB8561	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	-0.26	(0.45)	U	0.7	NUR	U	0.21	(0.06)	
41-1002	AAB8562	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.03	(0.46)	U	0.7	NUR	U	0.16	(0.06)	U
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	0.21	(0.36)	U	0.6	NUR	U	0.146	(0.05)	U
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	0.26	(0.36)	U	0.6	NUR	U	0.16	(0.06)	U
Alluvial Well LAO-0.8															
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.31	(0.53)	U	0.7	NUR	U	0.34	(0.09)	
02-1021	AAB1349	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	-0.18	(0.33)	U	0.6	NUR	U	0.074	(0.05)	U
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	-0.6	(0.43)	U	0.7	NUR	U	0.2	(0.06)	
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.29	(0.45)	U	0.7	NUR	U	0.14	(0.05)	
41-1021	AAB8546	unfiltered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	-0.45	(0.38)	U	0.7	NUR	U	0.17	(0.05)	
41-1021	AAB8555	filtered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	-0.77	(0.48)	U	0.7	NUR	U	0.22	(0.07)	
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	-0.4	(0.34)	U	0.6	NUR	U	0.192	(0.05)	
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	0.4	(0.35)	U	0.6	NUR	U	0.197	(0.06)	
Alluvial Well LAO-R1															
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	23.4	(1.5)		0.7	NUR	U	0.16	(0.05)	
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	23.9	(1.6)		0.7	NUR	U	0.18	(0.05)	
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	14.8	(1)		0.6	NUR	U	0.2	(0.05)	
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	13.6	(1.0)		0.6	NUR	U	0.2	(0.05)	
Alluvial Well LAO-0.91															
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	2.59	(0.41)		0.6	NUR	U	0.123	(0.06)	U
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	2.63	(0.53)		0.6	NUR	U	0.087	(0.06)	U
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	2.47	(0.43)		0.6	NUR	U	0.117	(0.05)	U
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	3.08	(0.47)		0.6	NUR	U	0.138	(0.06)	U
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	2.9	(0.65)		0.7	NUR	U	0.19	(0.06)	
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	2.1	(0.6)		0.7	NUR	U	0.14	(0.05)	U
02-1022	AAB8545	unfiltered	19-Jan-95	WGA	Los Alamos Canyon	10.05	2.1	(0.65)		0.7	NUR	U	0.17	(0.05)	
02-1022	AAB8560	filtered	19-Jan-95	WGA	Los Alamos Canyon	10.05	2	(0.75)	U	0.7	NUR	U	0.22	(0.06)	

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Strontium-90 (pCi/L)			Technetium-99 (pCi/L)			Thorium-230 (pCi/L)		
NM Ground Water Standard							n.s.			n.s.			n.s.		
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	1.28	(0.42)	U	0.6	NUR	U	0.14	(0.05)	
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	1.12	(0.42)	U	0.6	NUR	U	0.17	(0.05)	
Alluvial Well LAO-1															
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	6.7	(0.7)		0.7	NUR	U	0.23	(0.05)	
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	6.4	(0.7)		0.7	NUR	U	0.14	(0.05)	U
02-1076	AAB8428	unfiltered	23-Jan-95	WGA	Los Alamos Canyon	7.79	14.4	(1.1)		0.7	NUR	U	0.16	(0.06)	U
02-1076	AAB8558	filtered	23-Jan-95	WGA	Los Alamos Canyon	7.79	14.6	(1.1)		0.7	NUR	U	0.16	(0.06)	U
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	5.92	(0.61)		0.6	NUR	U	0.13	(0.04)	
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	4.88	(0.51)		0.6	NUR	U	0.21	(0.06)	
Intermediate Well LAOI-1.1															
02-1078	AAB8584	unfiltered	16-Feb-95	WGI	Los Alamos Canyon	307	0.16	(0.21)	U	0.7	NUR	U	0.36	(0.06)	
02-1078	AAB8585	filtered	16-Feb-95	WGI	Los Alamos Canyon	307	0.26	(0.2)	U	0.7	NUR	U	0.13	(0.03)	
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	-0.39	(0.34)	U	0.6	NUR	U	0.284	(0.07)	
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	0.05	(0.35)	U	0.6	NUR	U	0.162	(0.05)	
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	0.31	(0.12)	U	0.5	NUR		0.13	(0.04)	
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	0.22	(0.11)	U	0.5	NUR	U	0.15	(0.05)	U
Alluvial Well LAO-1.6(g)															
LA-0001	04LA-96-0201	n.a. [d]	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA			NA			NA		
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.67	(0.37)	U	NA			NA		
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.42	(0.34)	U	NA			NA		
Alluvial Well LLAO-2															
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	0.19	(0.56)	U	47.3	(3)		NA		
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	25.8	(4.3)		34.8	(2.8)		NA		
LA-0045	04LA-97-0005	unfiltered	05-May-97	WGA	Los Alamos Canyon	22.25	0	(0.3)	U	NA			NA		
LA-0045	04LA-97-0006	filtered	05-May-97	WGA	Los Alamos Canyon	22.25	0	(0.3)	U	NA			NA		
Alluvial Well LLAO-4															
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.29	(0.11)	U	7.1	(2.5)	U	NA		
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.174	(0.10)	U	26.1	(3.3)		NA		
LA-0046	04LA-97-0007	unfiltered	07-May-97	WGA	Los Alamos Canyon	3.38	0.04	(0.33)	U	NA			NA		
LA-0046	04LA-97-0008	filtered	07-May-97	WGA	Los Alamos Canyon	3.38	1.52	(0.35)		NA			NA		
Alluvial Well LLAO-5															

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Strontium-90 (pCi/L)			Technetium-99 (pCi/L)	Thorium-230 (pCi/L)		
NM Ground Water Standard							n.s.			n.s.	n.s.		
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	0.233	(0.17)	U	NA	0.176	(0.03)	
LA-0002	04LA-96-0204	n.a.	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA			NA	NA		
LA-0002	04LA-97-0009	unfiltered	07-May-97	WGA	Los Alamos Canyon	12	0.04	(0.32)	U	NA	NA		
LA-0002	04LA-97-0010	filtered	07-May-97	WGA	Los Alamos Canyon	12	0	(0.3)	U	NA	NA		
Intermediate Well LADP-3													
21-1682	AAA6848	unfiltered	04-Nov-93	WGI	Los Alamos Canyon	n.a.	0.3	(1.7)	U	NA	0.237	(0.06)	
21-1682	AAA7498	filtered	01-Dec-93	WGI	Los Alamos Canyon	n.a.	0.6	(0.8)	U	NA	0.075	(0.06)	U

NOTES:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) n.s. = No standard. A numerical standard is not available.

(c) NA = Not Analyzed

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1.

(f) NUR = No uncertainty reported

(g) 1 Sigma uncertainty

(h) Tritium samples are unfiltered in all cases

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

UJ- = The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit, with a low bias.

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Thorium-232 (pCi/L)			Tritium [h] (pCi/L)			Uranium-234 (pCi/L)		
NM Ground Water Standard							n.s.			n.s.			n.s.		
Alluvial Well LAO-B															
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	NA			200	(75)	U	0.066	(0.04)	U
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	NA			210	(75)	U	0.004	(0.03)	U
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	NA			NA			0.05	(0.03)	U
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	NA			NA			0.02	(0.03)	U
41-1045	AAB8559	filtered	15-Jan-95	WGA	Los Alamos Canyon	22.91	NA			NA			0.03	(0.04)	U
41-1045	AAB8547	unfiltered	17-Jan-95	WGA	Los Alamos Canyon	n.a.	NA			NA			0.06	(0.05)	U
41-1045	0441-95-0013	unfiltered	09-May-95	WGA	Los Alamos Canyon	7.54	0.074	(0.03)	U	NA			0.03	(0.03)	U
41-1045	0441-95-0014	filtered	09-May-95	WGA	Los Alamos Canyon	7.54	0.045	(0.03)	U	NA			0.02	(0.03)	U
Alluvial Well LAO-C															
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	NA			NA			0.03	(0.04)	U
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	NA			NA			-0.02	(0.02)	U
41-1004	AAB8538	unfiltered	26-Jan-95	WGA	Los Alamos Canyon	11.98	NA			NA			0.05	(0.04)	U
41-1004	AAB8557	filtered	26-Jan-95	WGA	Los Alamos Canyon	11.98	NA			NA			0.03	(0.03)	U
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	0.058	(0.03)	U	NA			0.06	(0.04)	U
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	0.054	(0.03)	U	NA			0.07	(0.04)	U
Alluvial Well LAO-0.3															
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	NA			240	(75)	U	-0.01	(0.03)	U
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	NA			290	(75)	U	0.029	(0.03)	U
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	NA			NA			0.04	(0.03)	U
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	NA			NA			0.01	(0.025)	U
41-1003	AAB8539	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	10.18	NA			NA			0	(0.05)	U
41-1003	AAB8563	filtered	24-Jan-95	WGA	Los Alamos Canyon	10.18	NA			NA			0.03	(0.03)	U
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	0.068	(0.03)	U	NA			0.16	(0.05)	U
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.04	(0.03)	U	NA			0.04	(0.04)	U
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.023	(0.02)	U	NA			0.17	(0.07)	U
Alluvial Well LAO-0.6															
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	NA			NA			0.494	(0.10)	
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	NA			NA			0.402	(0.08)	
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	NA			NA			0.06	(0.04)	U

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Thorium-232 (pCi/L)			Tritium [h] (pCi/L)		Uranium-234 (pCi/L)		
NM Ground Water Standard							n.s.			n.s.		n.s.		
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	NA			NA		0.08	(0.03)	U
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	NA			NA		0.08	(0.04)	U
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	NA			NA		0.06	(0.03)	U
41-1002	AAB8543	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA			NA		0.03	(0.04)	U
41-1002	AAB8544	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA			NA		0.07	(0.05)	U
41-1002	AAB8561	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA			NA		0.06	(0.05)	U
41-1002	AAB8562	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA			NA		0.05	(0.05)	U
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	0.05	(0.03)	U	NA		0.1	(0.05)	U
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	0.03	(0.02)	U	NA		0.05	(0.04)	U
Alluvial Well LAO-0.8														
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	NA			NA		0.3	(0.08)	
02-1021	AAB1349	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	NA			NA		0.09	(0.05)	U
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	NA			NA		0.31	(0.06)	
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	NA			NA		0.21	(0.06)	
41-1021	AAB8546	unfiltered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	NA			NA		0.16	(0.06)	U
41-1021	AAB8555	filtered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	NA			NA		0.15	(0.05)	U
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	0.065	(0.03)	U	NA		0.23	(0.08)	U
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	0.037	(0.03)	U	NA		0.03	(0.03)	U
Alluvial Well LAO-R1														
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	NA			NA		0.41	(0.09)	
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	NA			1380	(105)	0.39	(0.09)	
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	0.03	(0.02)	U	NA		0.34	(0.08)	
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	0.02	(0.02)	U	NA		0.14	(0.05)	U
Alluvial Well LAO-0.91														
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA			NA		0.118	(0.07)	U
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA			NA		0.066	(0.03)	U
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA			NA		0.095	(0.05)	U
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA			NA		0.035	(0.03)	U
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	NA			NA		0.16	(0.06)	U
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	NA			650	(85)	0.19	(0.06)	
02-1022	AAB8545	unfiltered	19-Jan-95	WGA	Los Alamos Canyon	10.05	NA			NA		0.21	(0.08)	U
02-1022	AAB8560	filtered	19-Jan-95	WGA	Los Alamos Canyon	10.05	NA			NA		0.17	(0.07)	U

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Thorium-232 (pCi/L)			Tritium [h] (pCi/L)			Uranium-234 (pCi/L)		
NM Ground Water Standard							n.s.			n.s.			n.s.		
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	0.03	(0.03)	U	NA			0.1	(0.04)	U
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	0.03	(0.03)	U	NA			0.01	(0.03)	U
Alluvial Well LAO-1															
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	NA			NA			0.02	(0.04)	U
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	NA			NA			0	(0.04)	U
02-1076	AAB8428	unfiltered	23-Jan-95	WGA	Los Alamos Canyon	7.79	NA			NA			0.06	(0.05)	U
02-1076	AAB8558	filtered	23-Jan-95	WGA	Los Alamos Canyon	7.79	NA			NA			0.02	(0.04)	U
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	0.02	(0.02)	U	NA			0.07	(0.04)	U
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	0.04	(0.03)	U	NA			0.02	(0.03)	U
Intermediate Well LAOI-1.1															
02-1078	AAB8584	unfiltered	16-Feb-95	WGI	Los Alamos Canyon	307	NA			NA			0.82	(0.12)	
02-1078	AAB8585	filtered	16-Feb-95	WGI	Los Alamos Canyon	307	NA			NA			0.93	(0.16)	
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	0.118	(0.04)	U	NA			0.48	(0.09)	
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	0.54	(0.03)		NA			0.09	(0.05)	U
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	0.05	(0.03)	U	NA			0.45	(0.06)	
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	0.04	(0.03)	U	NA			0.25	(0.05)	
Alluvial Well LAO-1.6(g)															
LA-0001	04LA-96-0201	n.a. [d]	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA			140	(10)		NA		
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	NA			120	(10)		0.14	(0.06)	U
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	NA			32.27	(85.28)	U	0.11	(0.05)	U
Alluvial Well LLAO-2															
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	NA			NA			1.94	(0.21)	
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	NA			NA			1.63	(0.18)	
LA-0045	04LA-97-0005	unfiltered	05-May-97	WGA	Los Alamos Canyon	22.25	NA			40.21	(93.0)	U	1.88	(0.27)	
LA-0045	04LA-97-0006	filtered	05-May-97	WGA	Los Alamos Canyon	22.25	NA			70.05	(94.4)	U	1.64	(0.26)	
Alluvial Well LLAO-4															
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	NA			NA			0.504	(0.05)	
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	NA			NA			0.482	(0.05)	
LA-0046	04LA-97-0007	unfiltered	07-May-97	WGA	Los Alamos Canyon	3.38	NA			72.68	(101.05)	U	0.65	(0.14)	
LA-0046	04LA-97-0008	filtered	07-May-97	WGA	Los Alamos Canyon	3.38	NA			-36.07	(98.13)	U	0.8	(0.16)	
Alluvial Well LLAO-5															

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Thorium-232 (pCi/L)			Tritium [h] (pCi/L)			Uranium-234 (pCi/L)		
NM Ground Water Standard							n.s.			n.s.			n.s.		
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	0	(0.01)	U	NA			1.757	(0.14)	
LA-0002	04LA-96-0204	n.a.	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA			49	(4)		NA		
LA-0002	04LA-97-0009	unfiltered	07-May-97	WGA	Los Alamos Canyon	12	NA			-48.04	(96.55)	U	4.73	(0.57)	
LA-0002	04LA-97-0010	filtered	07-May-97	WGA	Los Alamos Canyon	12	NA			72.77	(101.19)	U	3.69	(0.44)	
Intermediate Well LADP-3															
21-1682	AAA6848	unfiltered	04-Nov-93	WGI	Los Alamos Canyon	n.a.	0	(0.04)	U	1600	(400)		1.36	(1.44)	U
21-1682	AAA7498	filtered	01-Dec-93	WGI	Los Alamos Canyon	n.a.	0.005	(0.04)	U	5500	(700)		0.19	(0.08)	U

NOTES:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) n.s. = No standard. A numerical standard is not available.

(c) NA = Not Analyzed

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1.

(f) NUR = No uncertainty reported

(g) 1 Sigma uncertainty

(h) Tritium samples are unfiltered in all cases

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

UJ- = The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit, with a low bias.

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Uranium-235 (pCi/L)			Uranium-238 (pCi/L)		
NM Ground Water Standard							n.s.			n.s.		
Alluvial Well LAO-B												
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.004	(0.02)	U	0.044	(0.03)	U
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	-0.009	(0.02)	U	-0.001	(0.01)	U
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.03	(0.03)	U	0.04	(0.03)	U
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.01	(0.02)	U	0	(0.02)	U
41-1045	AAB8559	filtered	15-Jan-95	WGA	Los Alamos Canyon	22.91	0.01	(0.04)	U	0.01	(0.03)	U
41-1045	AAB8547	unfiltered	17-Jan-95	WGA	Los Alamos Canyon	n.a.	0.02	(0.03)	U	0.05	(0.04)	U
41-1045	0441-95-0013	unfiltered	09-May-95	WGA	Los Alamos Canyon	7.54	0.02	(0.02)	UJ-	0.05	(0.03)	U
41-1045	0441-95-0014	filtered	09-May-95	WGA	Los Alamos Canyon	7.54	0.01	(0.02)	UJ-	0.01	(0.02)	U
Alluvial Well LAO-C												
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	0	(0.02)	U	0.04	(0.03)	U
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	-0.01	(0.02)	U	0.01	(0.02)	U
41-1004	AAB8538	unfiltered	26-Jan-95	WGA	Los Alamos Canyon	11.98	0.03	(0.03)	U	0.04	(0.03)	U
41-1004	AAB8557	filtered	26-Jan-95	WGA	Los Alamos Canyon	11.98	0.01	(0.02)	U	0.02	(0.03)	U
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	0	(0.02)	UJ-	0.06	(0.04)	U
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	0.02	(0.03)	U	0.05	(0.04)	U
Alluvial Well LAO-0.3												
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.009	(0.03)	U	0.004	(0.03)	U
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.004	(0.02)	U	0.028	(0.02)	U
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.02	0.02	U	0.05	(0.03)	U
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.01	(0.03)	U	0.01	(0.02)	U
41-1003	AAB8539	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	10.18	-0.02	(0.03)	U	0.01	(0.03)	U
41-1003	AAB8563	filtered	24-Jan-95	WGA	Los Alamos Canyon	10.18	0.01	(0.02)	U	0.03	(0.03)	U
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	0.02	(0.03)	U	0.11	(0.05)	U
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.02	(0.02)	UJ-	0.02	(0.02)	U
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.05	(0.04)	UJ-	0.05	(0.04)	U
Alluvial Well LAO-0.6												
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.02	(0.03)	U	0.482	(0.10)	
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.025	(0.02)	U	0.415	(0.08)	
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	0.02	(0.02)	U	0.06	(0.03)	U

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Uranium-235 (pCi/L)			Uranium-238 (pCi/L)		
NM Ground Water Standard							n.s.			n.s.		
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.02	(0.02)	U	0.05	(0.03)	U
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	0.01	(0.02)	U	0.04	(0.03)	U
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.03	(0.02)	U	0.03	(0.02)	U
41-1002	AAB8543	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.01	(0.02)	U	0.04	(0.04)	U
41-1002	AAB8544	unfiltered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.02	(0.03)	U	0.04	(0.03)	U
41-1002	AAB8561	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.02	(0.03)	U	0.02	(0.03)	U
41-1002	AAB8562	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	0.03	(0.03)	U	0.03	(0.03)	U
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	0.02	(0.03)	U	0.04	(0.03)	U
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	0.01	(0.02)	U	0.02	(0.03)	U
Alluvial Well LAO-0.8												
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.03	(0.05)	U	0.24	(0.07)	
02-1021	AAB1349	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.02	(0.02)	U	0.03	(0.03)	U
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.03	(0.02)	U	0.2	(0.05)	
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.02	(0.02)	U	0.14	(0.05)	
41-1021	AAB8546	unfiltered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	0.02	(0.03)	U	0.13	(0.5)	U
41-1021	AAB8555	filtered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	0.01	(0.03)	U	0.1	(0.04)	U
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	0.03	(0.03)	U	0.15	(0.06)	U
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	0	(0.01)	U	0.07	(0.04)	U
Alluvial Well LAO-R1												
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	0.03	(0.03)	U	0.45	(0.10)	
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	0.02	(0.02)	U	0.37	(0.09)	
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	0.02	(0.02)	U	0.3	(0.08)	
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	0.01	(0.02)	U	0.1	(0.04)	U
Alluvial Well LAO-0.91												
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.006	(0.02)	U	0.127	(0.07)	U
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.009	(0.02)	U	0.048	(0.04)	U
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.036	(0.03)	U	0.053	(0.03)	U
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.018	(0.02)	U	0.075	(0.08)	U
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.01	(0.02)	U	0.08	(0.04)	U
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.03	(0.03)	U	0.15	(0.06)	U
02-1022	AAB8545	unfiltered	19-Jan-95	WGA	Los Alamos Canyon	10.05	0.03	(0.04)	U	0.15	(0.07)	U
02-1022	AAB8560	filtered	19-Jan-95	WGA	Los Alamos Canyon	10.05	0.04	(0.05)	U	0.14	(0.06)	U

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Uranium-235 (pCi/L)			Uranium-238 (pCi/L)		
NM Ground Water Standard							n.s.			n.s.		
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	0.01	(0.02)	U	0.08	(0.04)	U
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	0.01	(0.02)	U	0.03	(0.03)	U
Alluvial Well LAO-1												
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	0.02	(0.03)	U	0.04	(0.04)	U
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	0.01	(0.02)	U	0.02	(0.03)	U
02-1076	AAB8428	unfiltered	23-Jan-95	WGA	Los Alamos Canyon	7.79	0.01	(0.04)	U	-0.01	(0.03)	U
02-1076	AAB8558	filtered	23-Jan-95	WGA	Los Alamos Canyon	7.79	0.01	(0.04)	U	0.02	(0.03)	U
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	0.01	(0.02)	U	0.04	(0.03)	U
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	0.03	(0.03)	U	0.02	(0.03)	U
Intermediate Well LAOI-1.1												
02-1078	AAB8584	unfiltered	16-Feb-95	WGI	Los Alamos Canyon	307	0.08	(0.04)	U	0.94	(0.13)	
02-1078	AAB8585	filtered	16-Feb-95	WGI	Los Alamos Canyon	307	0.05	(0.04)	U	1.09	(0.18)	
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	0.07	(0.04)	U	0.5	(0.09)	
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	77.5	NUR	U	0.06	(0.04)	U
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	0.08	(0.03)	U	0.36	(0.05)	
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	0.03	(0.02)	U	0.24	(0.05)	
Alluvial Well LAO-1.6(g)												
LA-0001	04LA-96-0201	n.a. [d]	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA			NA		
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	-6.79	(5.32)	U	0.02	(0.02)	U
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	3.64	(4.32)	U	0.09	(0.05)	U
Alluvial Well LLAO-2												
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	0.07	(0.02)	U	1.3	(0.15)	
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	0.03	(0.01)	U	0.84	(0.1)	
LA-0045	04LA-97-0005	unfiltered	05-May-97	WGA	Los Alamos Canyon	22.25	1.28	(3.62)	U	1.19	(0.2)	
LA-0045	04LA-97-0006	filtered	05-May-97	WGA	Los Alamos Canyon	22.25	-2.65	(3.81)	U	0.86	(0.17)	
Alluvial Well LLAO-4												
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	-7.37	(3.2)	U	0.356	(0.04)	
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	1.84	(3.1)	U	0.329	(0.04)	
LA-0046	04LA-97-0007	unfiltered	07-May-97	WGA	Los Alamos Canyon	3.38	-10.3	(4.6)	U	0.33	(0.09)	
LA-0046	04LA-97-0008	filtered	07-May-97	WGA	Los Alamos Canyon	3.38	-6.16	(4.1)	U	0.4	(0.1)	
Alluvial Well LLAO-5												

Table LA-3
Los Alamos Canyon Groundwater Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Uranium-235 (pCi/L)			Uranium-238 (pCi/L)		
NM Ground Water Standard							n.s.			n.s.		
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	0.0541	-0.02	U	1.14	(0.1)	
LA-0002	04LA-96-0204	n.a.	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA			NA		
LA-0002	04LA-97-0009	unfiltered	07-May-97	WGA	Los Alamos Canyon	12	0.23	(0.09)	U	2.51	(0.35)	
LA-0002	04LA-97-0010	filtered	07-May-97	WGA	Los Alamos Canyon	12	0.18	(0.07)	U	3.09	(0.38)	
Intermediate Well LADP-3												
21-1682	AAA6848	unfiltered	04-Nov-93	WGI	Los Alamos Canyon	n.a.	0.12	(1.49)	U	0.51	(0.84)	U
21-1682	AAA7498	filtered	01-Dec-93	WGI	Los Alamos Canyon	n.a.	0.007	(0.07)	U	0.205	(0.06)	

NOTES:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) n.s. = No standard. A numerical standard is not available.

(c) NA = Not Analyzed

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1.

(f) NUR = No uncertainty reported

(g) 1 Sigma uncertainty

(h) Tritium samples are unfiltered in all cases

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

UJ- = The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit, with a low bias.

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Alkalinity CaCo3 (mg/L)	Boron (mg/L)	Bromide (mg/L)
NM Ground Water Standard [b]							n.s. [c]	0.75 mg/L	n.s.
Alluvial Well LAO-B									
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	NA [f]	0.01 U	1 U
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	31.8	0.01 U	1 U
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	NA	0.019	NA
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	42.2	0.01 U	NA
41-1045	AAB8559	filtered	15-Jan-95	WGA	Los Alamos Canyon	22.91	29.5	NA	NA
41-1045	0441-95-0013	unfiltered	09-May-95	WGA	Los Alamos Canyon	7.54	NA	0.0111 U	1.00 U
41-1045	0441-95-0014	filtered	09-May-95	WGA	Los Alamos Canyon	7.54	27.5	0.0111 U	1.00 U
Alluvial Well LAO-C									
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	NA	0.04 U	1 U
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	50.6	0.04 U	1 U
41-1004	AAB8557	filtered	26-Jan-95	WGA	Los Alamos Canyon	11.98	45.5	NA	NA
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	NA	0.0111 U	1.00 U
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	32.4	0.0111 U	1.00 U
Alluvial Well LAO-0.3									
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	NA	0.01 U	1 U
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	NA	0.01 U	1 U
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	44.8	0.01 U	1 U
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	NA	0.01 U	1 U
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	NA	0.027	NA
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	60.8	0.019	NA
41-1003	AAB8563	filtered	24-Jan-95	WGA	Los Alamos Canyon	10.18	47	NA	NA
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	NA	0.0111 U	1 U
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	40.2	0.0111 U	1.00 U
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	40.2	0.0111 U	1.00 U
Alluvial Well LAO-0.6									
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	NA	0.018	1 U
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	65.5	0.014	1 U
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	NA	0.047	NA
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	79.9	0.01 U	1 U
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	NA	0.034	NA

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Alkalinity CaCo3 (mg/L)	Boron (mg/L)	Bromide (mg/L)
NM Ground Water Standard [b]							n.s. [c]	0.75 mg/L	n.s.
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	79.9	0.029	1 U
41-1002	AAB8561	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	73.3	NA	NA
41-1002	AAB8562	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	73.3	NA	NA
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	NA	0.0147	1.00 U
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	65.9	0.0111 U	1.00 U
Alluvial Well LAO-0.8									
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	NA	0.015	1 U
02-1021	AAB1349	filtered	15-Jun-94	WGA	Los Alamos Canyon	12.13	NA	0.01 U	1 U
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	NA	0.01 U	1 U
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	63.2	0.01 U	1 U
02-1021	AAB8555	filtered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	45.2	NA	NA
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	NA	0.0111 U	1.00 U
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	29.6	0.0111 U	1.00 U
Alluvial Well LAO-R1									
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	NA	0.016	1 U
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	NA	0.026	NA
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	NA	0.0111 U	1.00 U
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	NA	0.0111 U	1.00 U
Alluvial Well LAO-0.91									
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	0.058	1 U
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	51.4	0.06	1 U
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	0.055	1 U
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	51.4	0.059	1 U
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	NA	0.018	1 U
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	77.5	0.011	1 U
02-1022	AAB8560	filtered	19-Jan-95	WGA	Los Alamos Canyon	10.05	59.2	NA	NA
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	NA	0.0111 U	1.00 U
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	38.9	0.0118	1.00 U

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Alkalinity CaCo3 (mg/L)	Boron (mg/L)	Bromide (mg/L)
NM Ground Water Standard [b]							n.s. [c]	0.75 mg/L	n.s.
Alluvial Well LAO-1									
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	NA	0.015	1 U
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	57.7	0.017	1 U
02-1076	AAB8558	filtered	23-Jan-95	WGA	Los Alamos Canyon	7.79	55.5	NA	NA
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	NA	0.0111 U	1 U
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	44.7	0.0111 U	1.00 U
Intermediate Well LAOI-1.1									
02-1078	AAB8585	filtered	16-Feb-95	WGI	Los Alamos Canyon	307	46.1	NA	NA
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	NA	0.0111 U	1.00
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	49.5	0.0111 U	1.00 U
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	NA	0.0176 U	0.02
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	36	0.0079	0.09
Alluvial Well LAO-1.6(g)									
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	132	0.0684	NA
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	NA	0.0647	0.56
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	70.7	0.0629	0.56
Alluvial Well LLAO-2									
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	170	0.225	0.50 U
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	167	0.219	0.50 U
LA-0045	04LA-97-0005	unfiltered	05-May-97	WGA	Los Alamos Canyon	22.25	NA	0.215	0.50 U
LA-0045	04LA-97-0006	filtered	05-May-97	WGA	Los Alamos Canyon	22.25	148	0.224	0.50 U

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Alkalinity CaCo3 (mg/L)	Boron (mg/L)	Bromide (mg/L)
NM Ground Water Standard [b]							n.s. [c]	0.75 mg/L	n.s.
Alluvial Well LLAO-4									
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	168	0.108	0.50 U
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	168	0.123	0.50 U
LA-0046	04LA-97-0007	unfiltered	07-May-97	WGA	Los Alamos Canyon	3.38	NA	0.0869	0.50 U
LA-0046	04LA-97-0008	filtered	07-May-97	WGA	Los Alamos Canyon	3.38	175	0.0859	0.50 U
Alluvial Well LLAO-5									
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	247	0.122	
LA-0002	04LA-97-0009	unfiltered	07-May-97	WGA	Los Alamos Canyon	12	NA	0.103	0.50 U
LA-0002	04LA-97-0010	filtered	07-May-97	WGA	Los Alamos Canyon	12	243	0.12	0.50 U

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) n.a. = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Dissolved Organic Carbon (mg/L)	Total Organic Carbon (mg/L)	Chlorate (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.
Alluvial Well LAO-B									
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	NA	NA	0.5 U
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	NA	NA	1.5
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	NA	NA	NA
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	2.5	NA	NA
41-1045	AAB8559	filtered	15-Jan-95	WGA	Los Alamos Canyon	22.91	2.4	NA	NA
41-1045	0441-95-0013	unfiltered	09-May-95	WGA	Los Alamos Canyon	7.54	NA	NA	0.5 U
41-1045	0441-95-0014	filtered	09-May-95	WGA	Los Alamos Canyon	7.54	4.1	NA	0.5 U
Alluvial Well LAO-C									
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	NA	NA	0.708
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	3.5	NA	0.601
41-1004	AAB8557	filtered	26-Jan-95	WGA	Los Alamos Canyon	11.98	2.2	NA	NA
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	NA	NA	0.5 U
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	4.4	NA	2.53
Alluvial Well LAO-0.3									
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	NA	NA	0.5 U
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	NA	NA	0.5 U
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	2.4	NA	0.5 U
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	NA	NA	0.5 U
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	NA	NA	NA
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	3.3	NA	NA
41-1003	AAB8563	filtered	24-Jan-95	WGA	Los Alamos Canyon	10.18	2.3	NA	NA
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	NA	NA	NA
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	4.3	NA	0.5 U
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	4.2	NA	0.5 U
Alluvial Well LAO-0.6									
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	NA	NA	5.5
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	1.5	NA	5.7
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	NA	NA	NA
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	2.1	NA	6.8
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	NA	NA	NA

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Dissolved Organic Carbon (mg/L)	Total Organic Carbon (mg/L)	Chlorate (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	1.9	NA	6.6
41-1002	AAB8561	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	1.7	NA	NA
41-1002	AAB8562	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	1.8	NA	NA
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	NA	NA	2.73
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	NA	NA	3.18
Alluvial Well LAO-0.8									
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	NA	NA	0.93
02-1021	AAB1349	filtered	15-Jun-94	WGA	Los Alamos Canyon	12.13	2.1	NA	1
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	NA	NA	0.501
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	2.3	NA	0.66
02-1021	AAB8555	filtered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	1.9	NA	NA
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	NA	NA	1.21
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	NA	NA	0.5 U
Alluvial Well LAO-R1									
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	NA	NA	7.3
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	1.4	NA	NA
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	NA	NA	1.73
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	3.1	NA	1.62
Alluvial Well LAO-0.91									
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	NA	0.5 U
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	2.2	NA	0.5 U
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	NA	0.81
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	2.2	NA	0.82
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	NA	NA	5.9
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	2.8	NA	5.9
02-1022	AAB8560	filtered	19-Jan-95	WGA	Los Alamos Canyon	10.05	1.8	NA	NA
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	NA	NA	0.89
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	NA	NA	0.845

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Dissolved Organic Carbon (mg/L)	Total Organic Carbon (mg/L)	Chlorate (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.
Alluvial Well LAO-1									
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	NA	NA	1.2
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	2.9	NA	1.2
02-1076	AAB8558	filtered	23-Jan-95	WGA	Los Alamos Canyon	7.79	2	NA	NA
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	NA	NA	NA
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	NA	NA	0.5 U
Intermediate Well LAOI-1.1									
02-1078	AAB8585	filtered	16-Feb-95	WGI	Los Alamos Canyon	307	NA	0.88	NA
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	NA	NA	1.29
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	NA	1	1.26
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	NA	NA	0.031 U
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	1.4	NA	0.031 U
Alluvial Well LAO-1.6(g)									
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA	NA	NA
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	NA	NA	0.5 U
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	2.2	NA	0.5 U
Alluvial Well LLAO-2									
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	NA	NA	0.5 U
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	2.1	NA	0.5 U
LA-0045	04LA-97-0005	unfiltered	05-May-97	WGA	Los Alamos Canyon	22.25	NA	NA	0.5 U
LA-0045	04LA-97-0006	filtered	05-May-97	WGA	Los Alamos Canyon	22.25	1.5	NA	0.5 U

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Dissolved Organic Carbon (mg/L)	Total Organic Carbon (mg/L)	Chlorate (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.
Alluvial Well LLAO-4									
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	NA	NA	0.5 U
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	1.1	NA	0.5 U
LA-0046	04LA-97-0007	unfiltered	07-May-97	WGA	Los Alamos Canyon	3.38	NA	NA	0.5 U
LA-0046	04LA-97-0008	filtered	07-May-97	WGA	Los Alamos Canyon	3.38	1.2	NA	0.5 U
Alluvial Well LLAO-5									
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA	NA	NA
LA-0002	04LA-97-0009	unfiltered	07-May-97	WGA	Los Alamos Canyon	12	NA	NA	0.5 U
LA-0002	04LA-97-0010	filtered	07-May-97	WGA	Los Alamos Canyon	12	1.8	NA	0.5 U

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) n.a. = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Chloride (mg/L)	Cyanide (mg/L)	Fluoride (mg/L)
NM Ground Water Standard [b]							250 mg/L	0.2 mg/L	1.6 mg/L
Alluvial Well LAO-B									
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	8	0.01 U	0.16
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	7	0.01 U	0.11
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	8.4	0.01 U	0.1
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	8.2	0.01 U	0.11
41-1045	AAB8559	filtered	15-Jan-95	WGA	Los Alamos Canyon	22.91	NA	NA	NA
41-1045	0441-95-0013	unfiltered	09-May-95	WGA	Los Alamos Canyon	7.54	3.44	0.00001 U	0.01 U
41-1045	0441-95-0014	filtered	09-May-95	WGA	Los Alamos Canyon	7.54	3.41	0.00001 U	0.01 U
Alluvial Well LAO-C									
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	39	0.01 U	0.17
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	39	0.01 U	0.13
41-1004	AAB8557	filtered	26-Jan-95	WGA	Los Alamos Canyon	11.98	NA	NA	NA
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	15.4	0.01 U	0.13
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	15.2	0.01 U	0.15
Alluvial Well LAO-0.3									
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	46	NA	0.18
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	46	NA	0.23
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	56	0.01 U	0.19
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	56	0.01 U	0.16
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	62	0.01 U	0.18
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	61	0.01 U	0.2
41-1003	AAB8563	filtered	24-Jan-95	WGA	Los Alamos Canyon	10.18	NA		NA
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	0.5 U	0.01 U	0.01 U
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	21.6	0.01 U	0.17
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	21.5	0.01 U	0.18
Alluvial Well LAO-0.6									
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	101	0.01 U	0.2
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	100	0.01 U	0.23
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	85	0.01 U	0.33
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	85	0.01 U	0.32
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	86	0.01 U	0.33

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Chloride (mg/L)	Cyanide (mg/L)	Fluoride (mg/L)
NM Ground Water Standard [b]							250 mg/L	0.2 mg/L	1.6 mg/L
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	84	0.01 U	0.31
41-1002	AAB8561	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA	NA	NA
41-1002	AAB8562	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA	NA	NA
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	NA	0.00001 U	0.3
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	NA	0.00001 U	0.3
Alluvial Well LAO-0.8									
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	56	0.01 U	0.18
02-1021	AAB1349	filtered	15-Jun-94	WGA	Los Alamos Canyon	12.13	55	0.01 U	0.2
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	49	0.01 U	0.18
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	49	0.01 U	0.18
02-1021	AAB8555	filtered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	NA		NA
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	NA	0.00001 U	0.1
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	NA	0.00001 U	0.12
Alluvial Well LAO-R1									
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	49	NA	0.25
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	48.8	NA	0.27
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	35.9	0.00001 U	0.35
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	35.8	0.00001 U	0.35
Alluvial Well LAO-0.91									
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	58	NA	0.28
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	58	NA	0.27
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	58	NA	0.29
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	58	NA	0.32
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	48.5	NA	0.18
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	48	NA	0.19
02-1022	AAB8560	filtered	19-Jan-95	WGA	Los Alamos Canyon	10.05	NA	NA	NA
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	19.3	0.00001 U	0.17
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	18.7	0.00001 U	0.16

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Chloride (mg/L)	Cyanide (mg/L)	Fluoride (mg/L)
NM Ground Water Standard [b]							250 mg/L	0.2 mg/L	1.6 mg/L
Alluvial Well LAO-1									
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	52	0.01 U	0.32
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	51	0.01 U	0.34
02-1076	AAB8558	filtered	23-Jan-95	WGA	Los Alamos Canyon	7.79	NA	NA	NA
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	NA	0.00001 U	0.32
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	37.4	0.00001 U	0.29
Intermediate Well LAOI-1.1									
02-1078	AAB8585	filtered	16-Feb-95	WGI	Los Alamos Canyon	307	NA	NA	NA
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	0.5 U	NA	0.16
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	0.5 U	NA	0.16
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	NA	0.003 U	0.186
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	NA	0.0045	0.159
Alluvial Well LAO-1.6(g)									
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA	NA	NA
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	NA	0.01 U	0.611
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	NA	0.01 U	0.613
Alluvial Well LLAO-2									
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	36.3	0.02 U	NA
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	36	0.01 U	0.5 U
LA-0045	04LA-97-0005	unfiltered	05-May-97	WGA	Los Alamos Canyon	22.25	NA	0.01 U	0.5 U
LA-0045	04LA-97-0006	filtered	05-May-97	WGA	Los Alamos Canyon	22.25	NA	0.01 U	0.5 U

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Chloride (mg/L)	Cyanide (mg/L)	Fluoride (mg/L)
NM Ground Water Standard [b]							250 mg/L	0.2 mg/L	1.6 mg/L
Alluvial Well LLAO-4									
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	32.7	0.01 U	0.5 U
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	33	0.02 U	0.5 U
LA-0046	04LA-97-0007	unfiltered	07-May-97	WGA	Los Alamos Canyon	3.38	NA	0.01 U	0.5 U
LA-0046	04LA-97-0008	filtered	07-May-97	WGA	Los Alamos Canyon	3.38	NA	0.01 U	0.5 U
Alluvial Well LLAO-5									
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA	NA	NA
LA-0002	04LA-97-0009	unfiltered	07-May-97	WGA	Los Alamos Canyon	12	NA	0.01 U	0.5 U
LA-0002	04LA-97-0010	filtered	07-May-97	WGA	Los Alamos Canyon	12	NA	0.01 U	0.5 U

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) n.a. = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Humic Substances, Hydrophilic Acids (mg/L)	Humic Substances, Hydrophilic Bases mg/L	Humic Substances, Hydrophilic Neutrals
NM Ground Water Standard [b]							n.s.	n.s.	n.s.
Alluvial Well LAO-B									
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	NA	NA	NA
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	NA	NA	NA
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	NA	NA	NA
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	NA	NA	NA
41-1045	AAB8559	filtered	15-Jan-95	WGA	Los Alamos Canyon	22.91	NA	NA	NA
41-1045	0441-95-0013	unfiltered	09-May-95	WGA	Los Alamos Canyon	7.54	NA	NA	NA
41-1045	0441-95-0014	filtered	09-May-95	WGA	Los Alamos Canyon	7.54	1.8	0	0.2
Alluvial Well LAO-C									
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	NA	NA	NA
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	NA	NA	NA
41-1004	AAB8557	filtered	26-Jan-95	WGA	Los Alamos Canyon	11.98	NA	NA	NA
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	NA	NA	NA
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	2.3	0.2	0.2
Alluvial Well LAO-0.3									
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	NA	NA	NA
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	NA	NA	NA
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	NA	NA	NA
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	NA	NA	NA
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	NA	NA	NA
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	NA	NA	NA
41-1003	AAB8563	filtered	24-Jan-95	WGA	Los Alamos Canyon	10.18	NA	NA	NA
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	NA	NA	NA
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	2	0.2	0.1
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	2	0.2	0
Alluvial Well LAO-0.6									
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	NA	NA	NA
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	NA	NA	NA
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	NA	NA	NA
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	NA	NA	NA
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	NA	NA	NA

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Humic Substances, Hydrophilic Acids (mg/L)	Humic Substances, Hydrophilic Bases mg/L	Humic Substances, Hydrophilic Neutrals
NM Ground Water Standard [b]							n.s.	n.s.	n.s.
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	NA	NA	NA
41-1002	AAB8561	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA	NA	NA
41-1002	AAB8562	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA	NA	NA
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	NA	NA	NA
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	NA	NA	NA
Alluvial Well LAO-0.8									
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	NA	NA	NA
02-1021	AAB1349	filtered	15-Jun-94	WGA	Los Alamos Canyon	12.13	NA	NA	NA
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	NA	NA	NA
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	NA	NA	NA
02-1021	AAB8555	filtered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	NA	NA	NA
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	NA	NA	NA
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	NA	NA	NA
Alluvial Well LAO-R1									
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	NA	NA	NA
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	NA	NA	NA
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	NA	NA	NA
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	0.9	0.2	0.2
Alluvial Well LAO-0.91									
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	NA	NA
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	NA	NA
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	NA	NA
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	NA	NA
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	NA	NA	NA
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	NA	NA	NA
02-1022	AAB8560	filtered	19-Jan-95	WGA	Los Alamos Canyon	10.05	NA	NA	NA
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	NA	NA	NA
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	NA	NA	NA

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Humic Substances, Hydrophilic Acids (mg/L)	Humic Substances, Hydrophilic Bases mg/L	Humic Substances, Hydrophilic Neutrals
NM Ground Water Standard [b]							n.s.	n.s.	n.s.
Alluvial Well LAO-1									
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	NA	NA	NA
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	NA	NA	NA
02-1076	AAB8558	filtered	23-Jan-95	WGA	Los Alamos Canyon	7.79	NA	NA	NA
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	NA	NA	NA
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	NA	NA	NA
Intermediate Well LAOI-1.1									
02-1078	AAB8585	filtered	16-Feb-95	WGI	Los Alamos Canyon	307	NA	NA	NA
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	NA	NA	NA
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	NA	NA	NA
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	NA	NA	NA
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	0	0	0.1
Alluvial Well LAO-1.6(g)									
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA	NA	NA
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	NA	NA	NA
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.8	0	0.2
Alluvial Well LLAO-2									
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	NA	NA	NA
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	0.6	0.1	0
LA-0045	04LA-97-0005	unfiltered	05-May-97	WGA	Los Alamos Canyon	22.25	NA	NA	NA
LA-0045	04LA-97-0006	filtered	05-May-97	WGA	Los Alamos Canyon	22.25	0.7	0.1	0.1

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Humic Substances, Hydrophilic Acids (mg/L)	Humic Substances, Hydrophilic Bases mg/L	Humic Substances, Hydrophilic Neutrals
NM Ground Water Standard [b]							n.s.	n.s.	n.s.
Alluvial Well LLAO-4									
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	NA	NA	NA
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.2	0	0
LA-0046	04LA-97-0007	unfiltered	07-May-97	WGA	Los Alamos Canyon	3.38	NA	NA	NA
LA-0046	04LA-97-0008	filtered	07-May-97	WGA	Los Alamos Canyon	3.38	0.3	0	0.2
Alluvial Well LLAO-5									
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA	NA	NA
LA-0002	04LA-97-0009	unfiltered	07-May-97	WGA	Los Alamos Canyon	12	NA	NA	NA
LA-0002	04LA-97-0010	filtered	07-May-97	WGA	Los Alamos Canyon	12	0.6	0	0.2

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) n.a. = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Humic Substances, Hydrophilic Total (mg/L)	Humic Substances, Hydrophobic Acids (mg/L)	Humic Substances, Hydrophobic Bases (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.
Alluvial Well LAO-B									
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	NA	NA	NA
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	NA	NA	NA
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	NA	NA	NA
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	NA	NA	NA
41-1045	AAB8559	filtered	15-Jan-95	WGA	Los Alamos Canyon	22.91	NA	NA	NA
41-1045	0441-95-0013	unfiltered	09-May-95	WGA	Los Alamos Canyon	7.54	NA	NA	NA
41-1045	0441-95-0014	filtered	09-May-95	WGA	Los Alamos Canyon	7.54	2	1.8	0.2
Alluvial Well LAO-C									
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	NA	NA	NA
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	NA	NA	NA
41-1004	AAB8557	filtered	26-Jan-95	WGA	Los Alamos Canyon	11.98	NA	NA	NA
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	NA	NA	NA
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	2.7	1.4	0
Alluvial Well LAO-0.3									
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	NA	NA	NA
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	NA	NA	NA
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	NA	NA	NA
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	NA	NA	NA
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	NA	NA	NA
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	NA	NA	NA
41-1003	AAB8563	filtered	24-Jan-95	WGA	Los Alamos Canyon	10.18	NA	NA	NA
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	NA	NA	NA
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	2.3	1.3	0
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	2.3	1.5	0
Alluvial Well LAO-0.6									
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	NA	NA	NA
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	NA	NA	NA
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	NA	NA	NA
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	NA	NA	NA
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	NA	NA	NA

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Humic Substances, Hydrophilic Total (mg/L)	Humic Substances, Hydrophobic Acids (mg/L)	Humic Substances, Hydrophobic Bases (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	NA	NA	NA
41-1002	AAB8561	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA	NA	NA
41-1002	AAB8562	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA	NA	NA
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	NA	NA	NA
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	NA	NA	NA
Alluvial Well LAO-0.8									
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	NA	NA	NA
02-1021	AAB1349	filtered	15-Jun-94	WGA	Los Alamos Canyon	12.13	NA	NA	NA
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	NA	NA	NA
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	NA	NA	NA
02-1021	AAB8555	filtered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	NA	NA	NA
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	NA	NA	NA
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	NA	NA	NA
Alluvial Well LAO-R1									
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	NA	NA	NA
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	NA	NA	NA
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	NA	NA	NA
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	1.3	0.9	0
Alluvial Well LAO-0.91									
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	NA	NA
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	NA	NA
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	NA	NA
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	NA	NA
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	NA	NA	NA
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	NA	NA	NA
02-1022	AAB8560	filtered	19-Jan-95	WGA	Los Alamos Canyon	10.05	NA	NA	NA
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	NA	NA	NA
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	NA	NA	NA

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Humic Substances, Hydrophilic Total (mg/L)	Humic Substances, Hydrophobic Acids (mg/L)	Humic Substances, Hydrophobic Bases (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.
Alluvial Well LAO-1									
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	NA	NA	NA
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	NA	NA	NA
02-1076	AAB8558	filtered	23-Jan-95	WGA	Los Alamos Canyon	7.79	NA	NA	NA
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	NA	NA	NA
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	NA	NA	NA
Intermediate Well LAOI-1.1									
02-1078	AAB8585	filtered	16-Feb-95	WGI	Los Alamos Canyon	307	NA	NA	NA
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	NA	NA	NA
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	NA	NA	NA
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	NA	NA	NA
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	0.6	0.2	0
Alluvial Well LAO-1.6(g)									
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA	NA	NA
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	NA	NA	NA
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	1	0.6	0
Alluvial Well LLAO-2									
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	NA	NA	NA
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	0.7	0.5	0
LA-0045	04LA-97-0005	unfiltered	05-May-97	WGA	Los Alamos Canyon	22.25	NA	NA	NA
LA-0045	04LA-97-0006	filtered	05-May-97	WGA	Los Alamos Canyon	22.25	0.8	0.4	0

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Humic Substances, Hydrophilic Total (mg/L)	Humic Substances, Hydrophobic Acids (mg/L)	Humic Substances, Hydrophobic Bases (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.
Alluvial Well LLAO-4									
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	NA	NA	NA
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.2	0.2	0
LA-0046	04LA-97-0007	unfiltered	07-May-97	WGA	Los Alamos Canyon	3.38	NA	NA	NA
LA-0046	04LA-97-0008	filtered	07-May-97	WGA	Los Alamos Canyon	3.38	0.5	0	0
Alluvial Well LLAO-5									
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA	NA	NA
LA-0002	04LA-97-0009	unfiltered	07-May-97	WGA	Los Alamos Canyon	12	NA	NA	NA
LA-0002	04LA-97-0010	filtered	07-May-97	WGA	Los Alamos Canyon	12	0.8	0.9	0

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) n.a. = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Humic Substances, Hydrophobic Neutrals	Humic Substances, Hydrophobic Neutrals	Bicarbonate (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.
Alluvial Well LAO-B									
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	NA	NA	NA
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	NA	NA	38.8
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	NA	NA	NA
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	NA	NA	51.5
41-1045	AAB8559	filtered	15-Jan-95	WGA	Los Alamos Canyon	22.91	NA	NA	36
41-1045	0441-95-0013	unfiltered	09-May-95	WGA	Los Alamos Canyon	7.54	NA	NA	NA
41-1045	0441-95-0014	filtered	09-May-95	WGA	Los Alamos Canyon	7.54	0.1	2.1	33.5
Alluvial Well LAO-C									
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	NA	NA	NA
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	NA	NA	61.7
41-1004	AAB8557	filtered	26-Jan-95	WGA	Los Alamos Canyon	11.98	NA	NA	55.5
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	NA	NA	NA
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	0.3	1.7	39.5
Alluvial Well LAO-0.3									
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	NA	NA	NA
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	NA	NA	NA
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	NA	NA	54.6
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	NA	NA	NA
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	NA	NA	NA
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	NA	NA	74.2
41-1003	AAB8563	filtered	24-Jan-95	WGA	Los Alamos Canyon	10.18	NA	NA	57.3
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	NA	NA	NA
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.7	2	49.1
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.4	1.9	49.1
Alluvial Well LAO-0.6									
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	NA	NA	NA
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	NA	NA	79.9
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	NA	NA	NA
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	NA	NA	97.5
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	NA	NA	NA

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Humic Substances, Hydrophobic Neutrals	Humic Substances, Hydrophobic Neutrals	Bicarbonate (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	NA	NA	97.5
41-1002	AAB8561	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA	NA	89.4
41-1002	AAB8562	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA	NA	89.4
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	NA	NA	NA
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	NA	NA	80.4
Alluvial Well LAO-0.8									
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	NA	NA	NA
02-1021	AAB1349	filtered	15-Jun-94	WGA	Los Alamos Canyon	12.13	NA	NA	61.8
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	NA	NA	NA
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	NA	NA	77.1
02-1021	AAB8555	filtered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	NA	NA	55.1
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	NA	NA	NA
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	NA	NA	36.1
Alluvial Well LAO-R1									
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	NA	NA	NA
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	NA	NA	120
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	NA	NA	NA
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	0.9	1.8	60.6
Alluvial Well LAO-0.91									
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	NA	NA
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	NA	62.7
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	NA	NA
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	NA	62.7
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	NA	NA	NA
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	NA	NA	94.5
02-1022	AAB8560	filtered	19-Jan-95	WGA	Los Alamos Canyon	10.05	NA	NA	72.2
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	NA	NA	NA
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	NA	NA	47.5

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Humic Substances, Hydrophobic Neutrals	Humic Substances, Hydrophobic Neutrals	Bicarbonate (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.
Alluvial Well LAO-1									
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	NA	NA	NA
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	NA	NA	70.4
02-1076	AAB8558	filtered	23-Jan-95	WGA	Los Alamos Canyon	7.79	NA	NA	67.7
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	NA	NA	NA
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	NA	NA	54.5
Intermediate Well LAOI-1.1									
02-1078	AAB8585	filtered	16-Feb-95	WGI	Los Alamos Canyon	307	NA	NA	56.3
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	NA	NA	NA
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	NA	NA	60.4
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	NA	NA	NA
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	0.6	0.8	43.9
Alluvial Well LAO-1.6(g)									
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA	NA	161
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	NA	NA	NA
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	0.6	1.2	86.2
Alluvial Well LLAO-2									
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	NA	NA	170
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	0.9	1.4	167
LA-0045	04LA-97-0005	unfiltered	05-May-97	WGA	Los Alamos Canyon	22.25	NA	NA	NA
LA-0045	04LA-97-0006	filtered	05-May-97	WGA	Los Alamos Canyon	22.25	0.3	0.7	180

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Humic Substances, Hydrophobic Neutrals	Humic Substances, Hydrophobic Neutrals	Bicarbonate (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.
Alluvial Well LLAO-4									
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	NA	NA	168
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.8	1	168
LA-0046	04LA-97-0007	unfiltered	07-May-97	WGA	Los Alamos Canyon	3.38	NA	NA	NA
LA-0046	04LA-97-0008	filtered	07-May-97	WGA	Los Alamos Canyon	3.38	0.6	0.6	214
Alluvial Well LLAO-5									
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA	NA	301
LA-0002	04LA-97-0009	unfiltered	07-May-97	WGA	Los Alamos Canyon	12	NA	NA	NA
LA-0002	04LA-97-0010	filtered	07-May-97	WGA	Los Alamos Canyon	12	0.1	1	296

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) n.a. = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Ammonia as N (mg/L)	Nitrate + Nitrite as N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	10 mg/L	n.s.
Alluvial Well LAO-B										
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.01 U	NA	0.04 U	0.02 U
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	0.01 U	NA	0.04 U	0.02 U
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.02	NA	0.52	0.02 U
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	0.03	NA	0.07	0.02 U
41-1045	AAB8559	filtered	15-Jan-95	WGA	Los Alamos Canyon	22.91	NA	NA		
41-1045	0441-95-0013	unfiltered	09-May-95	WGA	Los Alamos Canyon	7.54	0.04 U	NA	0.12	0.04 U
41-1045	0441-95-0014	filtered	09-May-95	WGA	Los Alamos Canyon	7.54	0.04 U	NA	0.15	0.04 U
Alluvial Well LAO-C										
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	0.01 U	NA	0.78	0.04
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	0.01 U	NA	0.65	0.03
41-1004	AAB8557	filtered	26-Jan-95	WGA	Los Alamos Canyon	11.98	NA	NA		NA
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	0.04 U	NA	0.072	0.04 U
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	0.04 U	NA	0.088	0.04 U
Alluvial Well LAO-0.3										
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	0.02	NA	0.05	0.02 U
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	0.02	NA	0.04 U	0.02 U
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.01 U	NA	0.04 U	0.02 U
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	0.01 U	NA	0.04 U	0.02 U
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.04	NA	0.04 U	0.02 U
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	0.05	NA	0.04 U	0.02 U
41-1003	AAB8563	filtered	24-Jan-95	WGA	Los Alamos Canyon	10.18	NA	NA	NA	NA
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	0.04 U	NA	NA	0.189
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.04 U	NA	0.117	0.04 U
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.04 U	NA	0.066	0.04 U
Alluvial Well LAO-0.6										
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.01 U	NA	0.83	NA
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	0.01 U	NA	0.93	0.02 U
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	0.04	NA	0.18	0.02 U
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.03	NA	0.22	0.02 U
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	0.03	NA	0.2	0.02 U

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Ammonia as N (mg/L)	Nitrate + Nitrite as N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	10 mg/L	n.s.
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	0.04	NA	0.19	0.02 U
41-1002	AAB8561	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA	NA	NA	NA
41-1002	AAB8562	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA	NA	NA	NA
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	0.01 U	NA	NA	0.351
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	0.01 U	NA	NA	0.245
Alluvial Well LAO-0.8										
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.01 U	NA	0.06	0.02 U
02-1021	AAB1349	filtered	15-Jun-94	WGA	Los Alamos Canyon	12.13	0.01 U	NA	0.08	0.02 U
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.095	NA	0.12	0.02 U
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	0.02	NA	0.15	0.02 U
02-1021	AAB8555	filtered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	NA	NA	NA	NA
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	0.01 U	NA	NA	0.188
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	0.01 U	NA	NA	0.237
Alluvial Well LAO-R1										
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	0.01 U	NA	1.4	0.02 U
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	0.02	NA	3	0.02 U
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	0.01 U	NA	NA	0.02 U
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	0.01 U	NA	NA	0.02 U
Alluvial Well LAO-0.91										
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.01 U	NA	0.12	0.02 U
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.01 U	NA	0.12	0.02 U
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.01 U	NA	0.13	0.02 U
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	0.01 U	NA	0.13	0.02 U
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.01 U	NA	0.6	0.02 U
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	0.05	NA	0.62	0.02 U
02-1022	AAB8560	filtered	19-Jan-95	WGA	Los Alamos Canyon	10.05	NA	NA	NA	NA
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	0.01 U	NA	NA	0.02 U
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	0.01 U	NA	NA	0.02 U

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Ammonia as N (mg/L)	Nitrate + Nitrite as N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	10 mg/L	n.s.
Alluvial Well LAO-1										
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	0.01 U	NA	0.22	0.02 U
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	0.01 U	NA	0.18	0.02 U
02-1076	AAB8558	filtered	23-Jan-95	WGA	Los Alamos Canyon	7.79	NA	NA	NA	NA
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	0.01 U	NA	NA	0.02 U
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	0.01 U	NA	NA	0.02 U
Intermediate Well LAOI-1.1										
02-1078	AAB8585	filtered	16-Feb-95	WGI	Los Alamos Canyon	307	NA	NA	NA	NA
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	0.01 U	NA	NA	0.02 U
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	0.01 U	NA	NA	0.02 U
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	0.0198	NA	NA	0.694
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	0.0135	NA	NA	0.754
Alluvial Well LAO-1.6(g)										
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	0.0066		3.56	0.022 U
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	NA	0.239	NA	NA
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	NA	0.292	NA	NA
Alluvial Well LLAO-2										
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	0.05 U	5.3	NA	NA
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	0.05 U	5.99	NA	NA
LA-0045	04LA-97-0005	unfiltered	05-May-97	WGA	Los Alamos Canyon	22.25	NA	6.88	NA	NA
LA-0045	04LA-97-0006	filtered	05-May-97	WGA	Los Alamos Canyon	22.25	NA	7.1	NA	NA

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Ammonia as N (mg/L)	Nitrate + Nitrite as N (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	10 mg/L	n.s.
Alluvial Well LLAO-4										
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	NA	0.139	NA	NA
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	0.05 U	0.136	NA	NA
LA-0046	04LA-97-0007	unfiltered	07-May-97	WGA	Los Alamos Canyon	3.38	NA	0.092	NA	0.01 U
LA-0046	04LA-97-0008	filtered	07-May-97	WGA	Los Alamos Canyon	3.38	NA	0.083	NA	0.01 U
Alluvial Well LLAO-5										
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	0.03 U	0.85	NA	NA
LA-0002	04LA-97-0009	unfiltered	07-May-97	WGA	Los Alamos Canyon	12	NA	3.07	NA	0.01 U
LA-0002	04LA-97-0010	filtered	07-May-97	WGA	Los Alamos Canyon	12	NA	3.99	NA	0.01 U

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) n.a. = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Perchlorate (mg/L)	Orthophosphate (mg/L)	Silica (mg/L)	Total Dissolved Solids (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.	n.s.
Alluvial Well LAO-B										
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	NA	0.08	NA	NA
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	NA	0.02 U	35.1	110
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	NA	0.04	NA	NA
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	NA	0.02 U	35.1	125
41-1045	AAB8559	filtered	15-Jan-95	WGA	Los Alamos Canyon	22.91	NA	NA	30.8	102
41-1045	0441-95-0013	unfiltered	09-May-95	WGA	Los Alamos Canyon	7.54	0.5 U	0.02 U	NA	NA
41-1045	0441-95-0014	filtered	09-May-95	WGA	Los Alamos Canyon	7.54	0.5 U	0.02 U	35.1	103
Alluvial Well LAO-C										
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	NA	0.05	NA	NA
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	NA	0.07	41.5	204
41-1004	AAB8557	filtered	26-Jan-95	WGA	Los Alamos Canyon	11.98	NA	NA	29.5	196
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	0.5 U	0.04	NA	NA
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	2.53	0.02	36.8	136
Alluvial Well LAO-0.3										
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	NA	0.02 U	NA	NA
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	NA	0.1	NA	NA
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	NA	0.06	37.2	212
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	NA	0.05	NA	NA
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	NA	0.05	NA	NA
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	NA	0.02 U	41.9	262
41-1003	AAB8563	filtered	24-Jan-95	WGA	Los Alamos Canyon	10.18	NA		30.2	198
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	0.5 U	0.02 U	NA	NA
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.5 U	0.02 U	37.2	161
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	0.5 U	0.02 U	37.2	161
Alluvial Well LAO-0.6										
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	NA	0.2	NA	NA
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	NA	0.12	34.7	326
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	NA	0.27	NA	NA
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	NA	0.04	38.5	323
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	NA	0.13	NA	NA

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Perchlorate (mg/L)	Orthophosphate (mg/L)	Silica (mg/L)	Total Dissolved Solids (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.	n.s.
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	NA	0.03	38.5	323
41-1002	AAB8561	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA	NA	33.2	NA
41-1002	AAB8562	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA	NA	33.2	291
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	2.73	0.02 U	NA	NA
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	3.18	0.02 U	34.2	253
Alluvial Well LAO-0.8										
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	NA	0.14	NA	NA
02-1021	AAB1349	filtered	15-Jun-94	WGA	Los Alamos Canyon	12.13	NA	0.12	37	228
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	NA	0.04	NA	NA
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	NA	0.025	32.1	232
02-1021	AAB8555	filtered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	NA	NA	27.6	286
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	1.21	0.02 U	NA	NA
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	0.5 U	0.02 U	31.7	126
Alluvial Well LAO-R1										
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	NA	0.14	NA	NA
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	NA	0.14	43.7	307
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	1.73	0.08	NA	NA
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	1.62	0.08	34.9	201
Alluvial Well LAO-0.91										
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	0.08	NA	NA
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	0.07	37.2	229
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	0.12	NA	NA
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	0.14	37.2	229
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	NA	0.11	NA	NA
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	NA	0.14	45.2	269
02-1022	AAB8560	filtered	19-Jan-95	WGA	Los Alamos Canyon	10.05	NA	NA	33.8	237
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	0.89	0.05	NA	NA
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	0.845	0.05	38.9	157

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Perchlorate (mg/L)	Orthophosphate (mg/L)	Silica (mg/L)	Total Dissolved Solids (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.	n.s.
Alluvial Well LAO-1										
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	NA	0.063	NA	NA
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	NA	0.05	39.8	236
02-1076	AAB8558	filtered	23-Jan-95	WGA	Los Alamos Canyon	7.79	NA	NA	38.9	230
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	0.5 U	0.06	NA	NA
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	0.5 U	0.05	36.8	197
Intermediate Well LAOI-1.1										
02-1078	AAB8585	filtered	16-Feb-95	WGI	Los Alamos Canyon	307	NA	NA	95.9	189
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	NA	0.04	NA	NA
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	NA	0.02	67.8	160
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	NA	0.115 U	72	NA
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	NA	0.115 U	67.2	154
Alluvial Well LAO-1.6(g)										
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA	0.336 U	50.1	350
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	NA	NA	39.13	NA
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	NA	NA	39.87	345
Alluvial Well LLAO-2										
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	NA	1.29	NA	369
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	NA	0.588	52.2	450 U
LA-0045	04LA-97-0005	unfiltered	05-May-97	WGA	Los Alamos Canyon	22.25	NA	NA	45.69	NA
LA-0045	04LA-97-0006	filtered	05-May-97	WGA	Los Alamos Canyon	22.25	NA	NA	44.74	616

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Perchlorate (mg/L)	Orthophosphate (mg/L)	Silica (mg/L)	Total Dissolved Solids (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.	n.s.
Alluvial Well LLAO-4										
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	NA	0.033	NA	342 U
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	NA	0.031	61.6	438 U
LA-0046	04LA-97-0007	unfiltered	07-May-97	WGA	Los Alamos Canyon	3.38	NA	NA	43.63	NA
LA-0046	04LA-97-0008	filtered	07-May-97	WGA	Los Alamos Canyon	3.38	NA	NA	43.97	579
Alluvial Well LLAO-5										
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA	0.0466	49.9	594
LA-0002	04LA-97-0009	unfiltered	07-May-97	WGA	Los Alamos Canyon	12	NA	NA	43.2	NA
LA-0002	04LA-97-0010	filtered	07-May-97	WGA	Los Alamos Canyon	12	NA	NA	42.85	1029

Notes:
(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate
(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.
(c) No standard. A numerical standard is not available.
(d) n.a. = Not available
(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1
(f) n.a. = Not analyzed
Explanation of data qualifier flags:
U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Total Suspended Solids (mg/L)	Sulfate (mg/L)	Field pH (S.U.)	Field Conductivity (umhos)
NM Ground Water Standard [b]							n.s.	600 mg/L	n.s.	n.s.
Alluvial Well LAO-B										
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	NA	5	6.68	41
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	NA	5	6.68	41
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	NA	4.2	6.64	123
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	NA	4.2	6.64	123
41-1045	AAB8559	filtered	15-Jan-95	WGA	Los Alamos Canyon	22.91	NA	NA	6.59	112
41-1045	0441-95-0013	unfiltered	09-May-95	WGA	Los Alamos Canyon	7.54	NA	1 U	6.39	109
41-1045	0441-95-0014	filtered	09-May-95	WGA	Los Alamos Canyon	7.54	NA	1 U	6.39	109
Alluvial Well LAO-C										
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	NA	6.7	7.1	253
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	NA	6.5	7.1	253
41-1004	AAB8557	filtered	26-Jan-95	WGA	Los Alamos Canyon	11.98	NA	NA	7	294
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	NA	1 U	6.8	173
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	NA	1	6.8	173
Alluvial Well LAO-0.3										
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	NA	6	n.a.	n.a.
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	NA	6	n.a.	n.a.
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	NA	6	6.39	310
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	NA	6	6.39	310
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	NA	7.3	6.53	356
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	NA	7.3	6.53	356
41-1003	AAB8563	filtered	24-Jan-95	WGA	Los Alamos Canyon	10.18	NA	NA	6.61	295
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	NA	1 U	6.6	217
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	NA	1.3	6.6	217
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	NA	1.3	6.6	217
Alluvial Well LAO-0.6										
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	NA	12	6.55	502
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	NA	12	6.55	502
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	NA	8.7	6.43	468
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	NA	8.4	6.43	468
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	NA	8.6	6.43	468

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Total Suspended Solids (mg/L)	Sulfate (mg/L)	Field pH (S.U.)	Field Conductivity (umhos)
NM Ground Water Standard [b]							n.s.	600 mg/L	n.s.	n.s.
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	NA	8.3	6.43	468
41-1002	AAB8561	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA	NA	6.3	431
41-1002	AAB8562	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	NA	NA	6.3	431
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	NA	8.51	6.77	393
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	NA	8.49	6.77	393
Alluvial Well LAO-0.8										
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	NA	7	7.04	330
02-1021	AAB1349	filtered	15-Jun-94	WGA	Los Alamos Canyon	12.13	NA	7	7.04	330
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	NA	7	6.55	303
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	NA	7	6.55	303
02-1021	AAB8555	filtered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	NA	NA	n.a.	n.a.
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	NA	1 U	7.11	200
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	NA	1 U	7.11	200
Alluvial Well LAO-R1										
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	NA	5.6	6.32	407
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	NA	5.6	6.32	407
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	NA	1.61	6.79	289
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	NA	1.6	6.79	289
Alluvial Well LAO-0.91										
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	7	6.6	321
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	7	6.6	321
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	7	6.6	321
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	NA	7	6.6	321
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	NA	5.2	6.35	336
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	NA	5.2	6.35	336
02-1022	AAB8560	filtered	19-Jan-95	WGA	Los Alamos Canyon	10.05	NA	NA	6.83	350
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	NA	1.16	7.01	203
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	NA	1.16	7.01	203

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Total Suspended Solids (mg/L)	Sulfate (mg/L)	Field pH (S.U.)	Field Conductivity (umhos)
NM Ground Water Standard [b]							n.s.	600 mg/L	n.s.	n.s.
Alluvial Well LAO-1										
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	NA	5	6.73	324
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	NA	5	6.73	324
02-1076	AAB8558	filtered	23-Jan-95	WGA	Los Alamos Canyon	7.79	NA	NA	n.a.	n.a.
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	NA	1.77	6.69	228
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	NA	1.72	6.69	228
Intermediate Well LAOI-1.1										
02-1078	AAB8585	filtered	16-Feb-95	WGI	Los Alamos Canyon	307	NA	NA		
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	NA	1 U	7.01	116
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	NA	1 U	7.01	116
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	NA	3.8	6.94	NA
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	NA	3.69	6.94	NA
Alluvial Well LAO-1.6(g)										
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	NA	NA	n.a.	n.a.
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	NA	15.2	6.3	259
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	NA	15.1	6.3	259
Alluvial Well LLAO-2										
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	492	24	7.39	422
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	4 U	24.5	7.39	422
LA-0045	04LA-97-0005	unfiltered	05-May-97	WGA	Los Alamos Canyon	22.25	13.4	26.5	7.31	469
LA-0045	04LA-97-0006	filtered	05-May-97	WGA	Los Alamos Canyon	22.25	NA	26.8	7.31	469

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Total Suspended Solids (mg/L)	Sulfate (mg/L)	Field pH (S.U.)	Field Conductivity (umhos)
NM Ground Water Standard [b]							n.s.	600 mg/L	n.s.	n.s.
Alluvial Well LLAO-4										
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	4 U	24	6.95	3.97
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	4 U	24	6.95	3.97
LA-0046	04LA-97-0007	unfiltered	07-May-97	WGA	Los Alamos Canyon	3.38	NA	20.7	6.87	424
LA-0046	04LA-97-0008	filtered	07-May-97	WGA	Los Alamos Canyon	3.38	NA	20.8	6.87	424
Alluvial Well LLAO-5										
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	NA	NA	6.85	560
LA-0002	04LA-97-0009	unfiltered	07-May-97	WGA	Los Alamos Canyon	12	4 U	45	6.51	808
LA-0002	04LA-97-0010	filtered	07-May-97	WGA	Los Alamos Canyon	12	NA	44.9	6.51	808

Notes:
(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate
(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.
(c) No standard. A numerical standard is not available.
(d) n.a. = Not available
(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1
(f) n.a. = Not analyzed
Explanation of data qualifier flags:
U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Field Temperature (C)	Field Dissolved Oxygen (mg/L)	Field Turbidity (NTU)	Field Alkalinity (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.	n.s.
Alluvial Well LAO-B										
41-1045	AAB1336	unfiltered	13-Jun-94	WGA	Los Alamos Canyon	25.54	9.2	NA	27.2	31
41-1045	AAB1380	filtered	13-Jun-94	WGA	Los Alamos Canyon	25.54	9.2	NA	27.2	31
41-1045	AAB8495	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.54	9.9	5.7	27	30
41-1045	AAB8509	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.54	9.9	5.7	27	30
41-1045	AAB8559	filtered	15-Jan-95	WGA	Los Alamos Canyon	22.91	4.2	5.66	4.28	27.6
41-1045	0441-95-0013	unfiltered	09-May-95	WGA	Los Alamos Canyon	7.54	4.6	16.25	31	NA
41-1045	0441-95-0014	filtered	09-May-95	WGA	Los Alamos Canyon	7.54	4.6	16.25	31	NA
Alluvial Well LAO-C										
41-1004	AAB8496	unfiltered	31-Oct-94	WGA	Los Alamos Canyon	5	8	11	19.5	62
41-1004	AAB8508	filtered	31-Oct-94	WGA	Los Alamos Canyon	5	8	11	19.5	62
41-1004	AAB8557	filtered	26-Jan-95	WGA	Los Alamos Canyon	11.98	2	8.3	6.85	61.3
41-1004	0441-95-0024	unfiltered	10-May-95	WGA	Los Alamos Canyon	2.81	6.7	12.8	32	NA
41-1004	0441-95-0025	filtered	10-May-95	WGA	Los Alamos Canyon	2.81	6.7	12.8	32	NA
Alluvial Well LAO-0.3										
41-1001	AAB1377	unfiltered	25-May-94	WGA	Los Alamos Canyon	n.a. [d]	n.a.	n.a.	n.a.	n.a.
41-1001	AAB1378	filtered	25-May-94	WGA	Los Alamos Canyon	n.a.	n.a.	n.a.	n.a.	n.a.
41-1003	AAB1340	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.57	14.2	NA	8.9	45.8
41-1003	AAB1342	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.57	14.2	NA	8.9	45.8
41-1003	AAB8491	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	7.57	13	5.56	19.6	60
41-1003	AAB8505	filtered	19-Oct-94	WGA	Los Alamos Canyon	7.57	13	5.56	19.6	60
41-1003	AAB8563	filtered	24-Jan-95	WGA	Los Alamos Canyon	10.18	3.4	8.04	6.65	NA
41-1003	0441-95-0015	unfiltered	10-May-95	WGA	Los Alamos Canyon	5.6	8.3	5.53	41	NA
41-1003	0441-95-0016	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	8.3	5.53	41	NA
41-1003	0441-95-0017	filtered	10-May-95	WGA	Los Alamos Canyon	5.6	8.3	5.53	41	NA
Alluvial Well LAO-0.6										
41-1002	AAB1345	unfiltered	14-Jun-94	WGA	Los Alamos Canyon	7.46	14.6	NA	54	62.3
41-1002	AAB1346	filtered	14-Jun-94	WGA	Los Alamos Canyon	7.46	14.6	NA	54	62.3
41-1002	AAB8487	unfiltered	19-Oct-94	WGA	Los Alamos Canyon	n.a.	13.8	3.45	21.5	77
41-1002	AAB1355	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	13.8	3.45	21.5	77
41-1002	AAB8489	unfiltered	20-Oct-94	WGA	Los Alamos Canyon	n.a.	13.8	3.45	21.5	77

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Field Temperature (C)	Field Dissolved Oxygen (mg/L)	Field Turbidity (NTU)	Field Alkalinity (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.	n.s.
41-1002	AAB8504	filtered	20-Oct-94	WGA	Los Alamos Canyon	7.46	13.8	3.45	21.5	77
41-1002	AAB8561	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	8	1.87	0.5	98.4
41-1002	AAB8562	filtered	24-Jan-95	WGA	Los Alamos Canyon	12.46	8	1.87	0.5	98.4
41-1002	0441-95-0026	unfiltered	11-May-95	WGA	Los Alamos Canyon	6.46	9.5	12.9	32	NA
41-1002	0441-95-0027	filtered	11-May-95	WGA	Los Alamos Canyon	6.46	9.5	12.9	32	NA
Alluvial Well LAO-0.8										
02-1021	AAB1348	unfiltered	15-Jun-94	WGA	Los Alamos Canyon	12.13	14.4	NA	>200	51.9
02-1021	AAB1349	filtered	15-Jun-94	WGA	Los Alamos Canyon	12.13	14.4	NA	>200	51.9
02-1021	AAB8497	unfiltered	26-Oct-94	WGA	Los Alamos Canyon	10.88	9.3	10.2	33.8	NA
02-1021	AAB8510	filtered	26-Oct-94	WGA	Los Alamos Canyon	10.88	9.3	10.2	33.8	NA
02-1021	AAB8555	filtered	26-Jan-95	WGA	Los Alamos Canyon	n.a.	n.a.	n.a.	n.a.	n.a.
02-1021	0402-95-0379	unfiltered	11-May-95	WGA	Los Alamos Canyon	12.33	9	10.36	66	NA
02-1021	0402-95-0380	filtered	11-May-95	WGA	Los Alamos Canyon	12.33	9	10.36	66	NA
Alluvial Well LAO-R1										
02-1077	AAB8490	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	10	16	6.42	3.2	80
02-1077	AAB8503	filtered	25-Oct-94	WGA	Los Alamos Canyon	10	16	6.42	3.2	80
02-1077	0402-95-0348	unfiltered	15-May-95	WGA	Los Alamos Canyon	8.6	13.8	7.07	33	NA
02-1077	0402-95-0350	filtered	15-May-95	WGA	Los Alamos Canyon	8.6	13.8	7.07	33	NA
Alluvial Well LAO-0.91										
02-1022	AAB1351	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	15	NA	8.4	56
02-1022	AAB1352	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	15	NA	8.4	56
02-1022	AAB1362	unfiltered	16-Jun-94	WGA	Los Alamos Canyon	12.37	15	NA	8.4	56
02-1022	AAB1363	filtered	16-Jun-94	WGA	Los Alamos Canyon	12.37	15	NA	8.4	56
02-1022	AAB8492	unfiltered	25-Oct-94	WGA	Los Alamos Canyon	9.37	14	4.35	19.8	75
02-1022	AAB8506	filtered	25-Oct-94	WGA	Los Alamos Canyon	9.37	14	4.35	19.8	75
02-1022	AAB8560	filtered	19-Jan-95	WGA	Los Alamos Canyon	10.05	7.2	6.82	6.5	37
02-1022	0402-95-0346	unfiltered	15-May-95	WGA	Los Alamos Canyon	6.96	9.1	12.23	32	NA
02-1022	0402-95-0347	filtered	15-May-95	WGA	Los Alamos Canyon	6.96	9.1	12.23	32	NA

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Field Temperature (C)	Field Dissolved Oxygen (mg/L)	Field Turbidity (NTU)	Field Alkalinity (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.	n.s.
Alluvial Well LAO-1										
02-1076	AAB0113	unfiltered	24-Oct-94	WGA	Los Alamos Canyon	8	10.9	7.28	12.3	NA
02-1076	AAB0114	filtered	24-Oct-94	WGA	Los Alamos Canyon	8	10.9	7.28	12.3	NA
02-1076	AAB8558	filtered	23-Jan-95	WGA	Los Alamos Canyon	7.79	n.a.	n.a.	n.a.	n.a.
02-1076	0402-95-0351	unfiltered	16-May-95	WGA	Los Alamos Canyon	7	8	10.23	10	NA
02-1076	0402-95-0352	filtered	16-May-95	WGA	Los Alamos Canyon	7	8	10.23	10	NA
Intermediate Well LAOI-1.1										
02-1078	AAB8585	filtered	16-Feb-95	WGI	Los Alamos Canyon	307				
02-1078	0402-95-0360	unfiltered	18-May-95	WGI	Los Alamos Canyon	310	11.2	11.03	33	NA
02-1078	0402-95-0361	filtered	18-May-95	WGI	Los Alamos Canyon	310	11.2	11.03	33	NA
02-1078	0402-95-0420	unfiltered	01-Nov-95	WGI	Los Alamos Canyon	297	8.8	NA	NA	NA
02-1078	0402-95-0422	filtered	01-Nov-95	WGI	Los Alamos Canyon	297	8.8	NA	NA	NA
Alluvial Well LAO-1.6(g)										
LA-0001	04LA-96-0200	filtered	19-Jul-96	WGA	Los Alamos Canyon	11.94	n.a.	n.a.	n.a.	n.a.
LA-0001	04LA-97-0001	unfiltered	10-Apr-97	WGA	Los Alamos Canyon	6.24	10	14.24	0	NA
LA-0001	04LA-97-0002	filtered	10-Apr-97	WGA	Los Alamos Canyon	6.24	10	14.24	0	NA
Alluvial Well LLAO-2										
LA-0045	04LA-96-0298	unfiltered	10-Oct-96	WGA	Los Alamos Canyon	24	14.5	12	NA	NA
LA-0045	04LA-96-0299	filtered	10-Oct-96	WGA	Los Alamos Canyon	24	14.5	12	NA	NA
LA-0045	04LA-97-0005	unfiltered	05-May-97	WGA	Los Alamos Canyon	22.25	13.9	3.98	1	NA
LA-0045	04LA-97-0006	filtered	05-May-97	WGA	Los Alamos Canyon	22.25	13.9	3.98	1	NA

Table LA-4
Los Alamos Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Field Temperature (C)	Field Dissolved Oxygen (mg/L)	Field Turbidity (NTU)	Field Alkalinity (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.	n.s.
Alluvial Well LLAO-4										
LA-0046	04LA-96-0302	unfiltered	15-Oct-96	WGA	Los Alamos Canyon	10.08	17.3	10.84	NA	NA
LA-0046	04LA-96-0303	filtered	15-Oct-96	WGA	Los Alamos Canyon	10.08	17.3	10.84	NA	NA
LA-0046	04LA-97-0007	unfiltered	07-May-97	WGA	Los Alamos Canyon	3.38	12.2	2.51	2	NA
LA-0046	04LA-97-0008	filtered	07-May-97	WGA	Los Alamos Canyon	3.38	12.2	2.51	2	NA
Alluvial Well LLAO-5										
LA-0002	04LA-96-0203	filtered	30-Jul-96	WGA	Los Alamos Canyon	23.5	17.1	12.34	NA	NA
LA-0002	04LA-97-0009	unfiltered	07-May-97	WGA	Los Alamos Canyon	12	16.1	6.03	1	NA
LA-0002	04LA-97-0010	filtered	07-May-97	WGA	Los Alamos Canyon	12	16.1	6.03	1	NA

Notes:

(a) WGA = Groundwater, alluvial; WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth. Water levels measured from top of casing for LAO-C, LAO-1, LAO-R1

(f) n.a. = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table LA-5
Los Alamos Canyon Surface Water Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)
NM Livestock Watering Standard[b]						5 mg/L	n.s.	0.2 mg/L	n.s.	n.s.
NM Wildlife Habitat Standard[c]						n.s.[d]	n.s.	n.s.	n.s.	n.s.
Surface Water Transect Number 1										
41-1066	AAB0110	filtered	2-Aug-94	WSF	Los Alamos Canyon	0.1 U	0.001 U	0.002 U	0.042	0.003 U
41-1066	AAB0111	unfiltered	2-Aug-94	WSF	Los Alamos Canyon	1.7	0.001 U	0.002 U	0.051	0.003 U
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	3.5	0.0012 U	0.003 U	0.061	0.003 U
41-1066	AAB8507	filtered	19-Oct-94	WSF	Los Alamos Canyon	0.44	0.001 U	0.003 U	0.043	0.003 U
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	3.11	0.0022 U	0.0022 UJ-	0.0378 U	0.0033 U
41-1066	0441-95-0023	filtered	10-May-95	WSF	Los Alamos Canyon	0.111 U	0.0022 U	0.0022 UJ-	0.0256 U	0.0033 U
Surface Water Transect Number 2										
41-1067	AAB0119	unfiltered	3-Aug-94	WSF	Los Alamos Canyon	0.54	0.002 U	0.002 U	0.054	0.003 U
41-1067	AAB0120	filtered	3-Aug-94	WSF	Los Alamos Canyon	0.1 U	0.002 U	0.002 U	0.052	0.003 U
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	2.8	0.001 U	0.002 U	0.053	0.003 U
41-1067	AAB8502	filtered	20-Oct-94	WSF	Los Alamos Canyon	1.7	0.001 U	0.002 U	0.048	0.003 U
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	0.48 U	0.0011 U	0.0022 UJ-	0.0335 U	0.0033 U
41-1067	0441-95-0032	filtered	11-May-95	WSF	Los Alamos Canyon	0.164 U	0.0011 UJ-	0.0022 UJ-	0.0225 U	0.0033 U
Surface Water Transect Number 3										
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.65	0.002 U	0.002 U	0.056	0.003 U
02-1071	AAB0118	filtered	03-Aug-94	WSF	Los Alamos Canyon	0.1 U	0.002 U	0.002 U	0.051	0.003 U
02-1071	AAB0112	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.68	0.0012 U	0.002 U	0.043	0.003 U
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	2.2	0.001 U	0.002 U	0.054	0.003 U
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.239	0.0022 U	0.0022 U	0.0334 J	0.0033 U
02-1071	0402-95-0345	filtered	15-May-95	WSF	Los Alamos Canyon	0.124 J	0.0022 U	0.0022 U	0.0249 J	0.0033 U
Surface Water Transect Number 4										
02-1072	AAB0108	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.12	0.002 U	0.003 U	0.042	0.003 U
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.1 U	0.002 U	0.003 U	0.04	0.003 U
02-1072	AAB0116	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.1 U	0.002 U	0.003 U	0.04	0.003 U
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	1.9	0.002 U	0.003 U	0.052	0.003 U
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.581	0.0022 U	0.0022 U	0.034 J	0.0033 U
02-1072	0402-95-0388	filtered	16-May-95	WSF	Los Alamos Canyon	0.18 J	0.0022 U	0.0022 U	0.024 J	0.0033 U

Table LA-5
Los Alamos Canyon Surface Water Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)
NM Livestock Watering Standard[b]						5 mg/L	n.s.	0.2 mg/L	n.s.	n.s.
NM Wildlife Habitat Standard[c]						n.s.[d]	n.s.	n.s.	n.s.	n.s.
Surface Water Transect Number 5										
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	1.5	0.001 U	0.002	0.047	0.003 U
02-1073	AAB0106	filtered	26-Oct-94	WSF	Los Alamos Canyon	0.1 U	0.001 U	0.002 U	0.004 U	0.003 U
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	1.1	0.0022 U	0.0022 U	0.037 J	0.0033 U
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.95	0.0022 U	0.0022 U	0.036 J	0.0033 U
02-1073	0402-95-0367	filtered	16-May-95	WSF	Los Alamos Canyon	0.22 J	0.0024 U	0.0022 U	0.023 J	0.0033 U

Notes:
(a) WSF = Surface water, flowing
(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.
(c) Based on total (i.e. unfiltered) recoverable selenium and total mercury.
(d) n.s. = No standard. A numerical standard is not available.
(e) Not analyzed

Explanation of data qualifier flags:
U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.
UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.
J = The reported value is an estimated quantity.
J+ = The reported value is an estimated quantity, and biased high.

Table LA-5
Los Alamos Canyon Surface Water Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Cadmium (mg/L)	Calcium (mg/L)	Chromium, Total (mg/L)	Copper (mg/L)	Iron (mg/L)
NM Livestock Watering Standard[b]						0.05 mg/L	n.s.	1 mg/L	0.5 mg/L	n.s.
NM Wildlife Habitat Standard[c]						n.s.	n.s.	n.s.	n.s.	n.s.
Surface Water Transect Number 1										
41-1066	AAB0110	filtered	2-Aug-94	WSF	Los Alamos Canyon	0.003 U	15	0.004 U	0.004 U	0.1 U
41-1066	AAB0111	unfiltered	2-Aug-94	WSF	Los Alamos Canyon	0.003 U	16	0.004 U	0.035	0.89
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	0.003 U	14	0.004 U	0.004 U	2.3
41-1066	AAB8507	filtered	19-Oct-94	WSF	Los Alamos Canyon	0.004 U	13	0.004 U	0.004 U	0.31
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	0.0033 U	0.444 U	0.006 U	0.0044 U	1.2 J+
41-1066	0441-95-0023	filtered	10-May-95	WSF	Los Alamos Canyon	0.0033 U	0.444 U	0.007 U	0.0044 U	0.111 U
Surface Water Transect Number 2										
41-1067	AAB0119	unfiltered	3-Aug-94	WSF	Los Alamos Canyon	0.003 U	18	0.004 U	0.004 U	0.29
41-1067	AAB0120	filtered	3-Aug-94	WSF	Los Alamos Canyon	0.003 U	18	0.004 U	0.004 U	0.1 U
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.003 U	13	0.004 U	0.004 U	1.7
41-1067	AAB8502	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.003 U	14	0.004 U	0.004 U	1
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	0.0033 UJ-	8.34 J-	0.0086 U	0.0044 U	0.214 U
41-1067	0441-95-0032	filtered	11-May-95	WSF	Los Alamos Canyon	0.0033 UJ-	8.11 J-	0.0063 U	0.0044 U	0.111 U
Surface Water Transect Number 3										
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.003 U	19	0.004 U	0.004 U	0.34
02-1071	AAB0118	filtered	03-Aug-94	WSF	Los Alamos Canyon	0.003 U	18	0.004 U	0.004 U	0.3
02-1071	AAB0112	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.003 U	14	0.004 U	0.004 U	0.36
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.003 U	14	0.004 U	0.004 U	1.5
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.0033 U	7.8	0.0044 U	0.0044 U	0.17
02-1071	0402-95-0345	filtered	15-May-95	WSF	Los Alamos Canyon	0.0033 U	7.81	0.0044 U	0.0044 U	0.111 U
Surface Water Transect Number 4										
02-1072	AAB0108	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.003 U	14	0.004 U	0.004 U	0.1 U
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.003 U	14	0.004 U	0.004 U	0.1 U
02-1072	AAB0116	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.004 U	14	0.004 U	0.005	0.1 U
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.003 U	15	0.004 U	0.006	0.96
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.0033 UJ-	8.11	0.0044 U	0.0044 U	0.27
02-1072	0402-95-0388	filtered	16-May-95	WSF	Los Alamos Canyon	0.0033 UJ-	7.81	0.0044 U	0.0044 U	0.111 U

Table LA-5
Los Alamos Canyon Surface Water Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Cadmium (mg/L)	Calcium (mg/L)	Chromium, Total (mg/L)	Copper (mg/L)	Iron (mg/L)
NM Livestock Watering Standard[b]						0.05 mg/L	n.s.	1 mg/L	0.5 mg/L	n.s.
NM Wildlife Habitat Standard[c]						n.s.	n.s.	n.s.	n.s.	n.s.
Surface Water Transect Number 5										
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	0.0003 U	13	0.006	0.006	1
02-1073	AAB0106	filtered	26-Oct-94	WSF	Los Alamos Canyon	0.0003 U	14	0.005	0.004 U	0.1 U
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.0033 U	8.1	0.0044 U	0.0044 U	0.53
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.0033 UJ-	0.444 U	0.0044	0.0044 U	0.47
02-1073	0402-95-0367	filtered	16-May-95	WSF	Los Alamos Canyon	0.0033 UJ-	7.91	0.0044 U	0.0044 U	0.111 U

Notes:
(a) WSF = Surface water, flowing
(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.
(c) Based on total (i.e. unfiltered) recoverable selenium and total mercury.
(d) n.s. = No standard. A numerical standard is not available.
(e) Not analyzed

Explanation of data qualifier flags:
U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.
UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.
J = The reported value is an estimated quantity.
J+ = The reported value is an estimated quantity, and biased high.

Table LA-5
Los Alamos Canyon Surface Water Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Lead (mg/L)	Lithium (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)
NM Livestock Watering Standard[b]						0.1 mg/L	n.s.	n.s.	n.s.	0.01 mg/L
NM Wildlife Habitat Standard[c]						n.s.	n.s.	n.s.	n.s.	0.012 ug/L
Surface Water Transect Number 1										
41-1066	AAB0110	filtered	2-Aug-94	WSF	Los Alamos Canyon	0.005 U	0.08 U	3.1	0.003 U	NA[e]
41-1066	AAB0111	unfiltered	2-Aug-94	WSF	Los Alamos Canyon	0.005 U	0.08 U	3.4	0.009	NA
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	0.0097	0.01	3.6	0.042	0.0003
41-1066	AAB8507	filtered	19-Oct-94	WSF	Los Alamos Canyon	0.0067	0.007	2.9	0.018	0.0002
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	0.003 U	0.004 U	2.5 U	0.0256	0.0002 U
41-1066	0441-95-0023	filtered	10-May-95	WSF	Los Alamos Canyon	0.0022 U	0.0033 U	2.5 U	0.004 U	0.0002 U
Surface Water Transect Number 2										
41-1067	AAB0119	unfiltered	3-Aug-94	WSF	Los Alamos Canyon	0.001 U	0.008	3.9	0.008	0.0001 U
41-1067	AAB0120	filtered	3-Aug-94	WSF	Los Alamos Canyon	0.001 U	0.008	3.8	0.009	0.0001
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.0029	0.008	3.4	0.024	0.0002
41-1067	AAB8502	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.0076	0.008	3.3	0.012	0.0002
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	0.0016	0.0033 U	2.34 U	0.0211	0.0004
41-1067	0441-95-0032	filtered	11-May-95	WSF	Los Alamos Canyon	0.0011 U	0.0033 U	2.27 U	0.0033 U	0.0002 U
Surface Water Transect Number 3										
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.001 U	0.01	3.9	0.003	0.0001
02-1071	AAB0118	filtered	03-Aug-94	WSF	Los Alamos Canyon	0.001 U	0.011	3.7	0.003 U	0.0001
02-1071	AAB0112	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.0013	0.007	3.1	0.007	0.0002
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.009	0.008	3.5	0.017	0.0002
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.0022 U	0.0033 U	2.29 J	0.0216 U	0.0002 U
02-1071	0402-95-0345	filtered	15-May-95	WSF	Los Alamos Canyon	0.0022 U	0.0033 U	2.24 J	0.0042 J	0.0002 U
Surface Water Transect Number 4										
02-1072	AAB0108	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.002 U	0.006	3.1	0.004	0.0002
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.002 U	0.008	3.1	0.003 U	0.0002
02-1072	AAB0116	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.002 U	0.009	3	0.003 U	0.0002
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.005	0.01	3.2	0.023	0.0002
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.0022 U	0.004 U	2.3 J	0.026	0.0002 U
02-1072	0402-95-0388	filtered	16-May-95	WSF	Los Alamos Canyon	0.0022 U	0.004 U	2.2 J	0.0033 U	0.0002 U

Table LA-5
Los Alamos Canyon Surface Water Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Lead (mg/L)	Lithium (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)
NM Livestock Watering Standard[b]						0.1 mg/L	n.s.	n.s.	n.s.	0.01 mg/L
NM Wildlife Habitat Standard[c]						n.s.	n.s.	n.s.	n.s.	0.012 ug/L
Surface Water Transect Number 5										
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	0.002	0.007	3.2	0.018	0.0002
02-1073	AAB0106	filtered	26-Oct-94	WSF	Los Alamos Canyon	0.001 U	0.003 U	3.5	0.003 U	0.0001
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.0022 U	0.004 U	2.3 J	0.029 U	0.0002 U
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.0037 J	0.004 U	2.3 J	0.0303	0.0002 U
02-1073	0402-95-0367	filtered	16-May-95	WSF	Los Alamos Canyon	0.0022 U	0.004 U	2.2 J	0.0033 U	0.0002 U

Notes:
(a) WSF = Surface water, flowing
(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.
(c) Based on total (i.e. unfiltered) recoverable selenium and total mercury.
(d) n.s. = No standard. A numerical standard is not available.
(e) Not analyzed

Explanation of data qualifier flags:
U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.
UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.
J = The reported value is an estimated quantity.
J+ = The reported value is an estimated quantity, and biased high.

Table LA-5
Los Alamos Canyon Surface Water Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Molybdenum (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silica (mg/L)	Silver (mg/L)	Sodium (mg/L)
NM Livestock Watering Standard[b]						n.s.	n.s.	0.05 mg/L	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[c]						n.s.	n.s.	0.002 mg/L	n.s.	n.s.	n.s.
Surface Water Transect Number 1											
41-1066	AAB0110	filtered	2-Aug-94	WSF	Los Alamos Canyon	0.008 U	3.5 U	0.002 U	16	0.2 U	46
41-1066	AAB0111	unfiltered	2-Aug-94	WSF	Los Alamos Canyon	0.008 U	3.4 U	0.002 U	20	0.2 U	47
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	0.008 U	3.9 U	0.002 U	23	0.01 U	30
41-1066	AAB8507	filtered	19-Oct-94	WSF	Los Alamos Canyon	0.008 U	3.3 U	0.002 U	16	0.01 U	28
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	0.0089 U	2.2 U	0.0011 U	NA	0.0111 U	11 J-
41-1066	0441-95-0023	filtered	10-May-95	WSF	Los Alamos Canyon	0.0089 U	2.2 U	0.0011 U	NA	0.0111 U	12 J-
Surface Water Transect Number 2											
41-1067	AAB0119	unfiltered	3-Aug-94	WSF	Los Alamos Canyon	0.012	4.7	0.002 U	5.9	0.05 U	52
41-1067	AAB0120	filtered	3-Aug-94	WSF	Los Alamos Canyon	0.014	4.6 U	0.002 U	2.3	0.05 U	50
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.008 U	3.2 U	0.002 U	20	0.01 U	29
41-1067	AAB8502	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.009	3.2 U	0.002 U	19	0.01 U	30
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	0.009 U	1.97 U	0.0011 U	NA	0.0111 U	11.5 J-
41-1067	0441-95-0032	filtered	11-May-95	WSF	Los Alamos Canyon	0.0089 U	1.9 U	0.0011 U	NA	0.0111 U	11.6 J-
Surface Water Transect Number 3											
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.01	4.6 U	0.002 U	6.2	0.05 U	50
02-1071	AAB0118	filtered	03-Aug-94	WSF	Los Alamos Canyon	0.008 U	5.1 U	0.002 U	7.9	0.05 U	49
02-1071	AAB0112	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.012	3 U	0.002 U	18	0.01 U	30
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.008 U	3.4 U	0.002 U	16	0.01 U	32
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.0089 U	2.11 U	0.0011 U	NA	0.0111 U	12.5
02-1071	0402-95-0345	filtered	15-May-95	WSF	Los Alamos Canyon	0.0089 U	1.99 U	0.0011 U	NA	0.0111 U	12.6
Surface Water Transect Number 4											
02-1072	AAB0108	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.014	3.5 U	0.002 U	17	0.01 U	30
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.019	3.3 U	0.002 U	17	0.01 U	29
02-1072	AAB0116	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.018	3.2 U	0.002 U	17	0.01 U	29
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.009 U	3.6 U	0.002 U	21	0.01 U	28
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.0089 U	1.9 U	0.0011 U	NA	0.0111 U	13
02-1072	0402-95-0388	filtered	16-May-95	WSF	Los Alamos Canyon	0.0089 U	1.9 U	0.0011 U	NA	0.0111 U	12

Table LA-5
Los Alamos Canyon Surface Water Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Molybdenum (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silica (mg/L)	Silver (mg/L)	Sodium (mg/L)
NM Livestock Watering Standard[b]						n.s.	n.s.	0.05 mg/L	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard[c]						n.s.	n.s.	0.002 mg/L	n.s.	n.s.	n.s.
Surface Water Transect Number 5											
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	0.008 U	3.5 U	0.002 U	18	0.01 U	28
02-1073	AAB0106	filtered	26-Oct-94	WSF	Los Alamos Canyon	0.008 U	3.8 U	0.002 U	0.5 U	0.01 U	10
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.0089 U	2.1 U	0.0011 U	NA	0.0111 U	13
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.0089 U	2.1 U	0.0011 U	NA	0.0111 U	13
02-1073	0402-95-0367	filtered	16-May-95	WSF	Los Alamos Canyon	0.0089 U	2 U	0.0011 U	NA	0.0111 U	13

Notes:

(a) WSF = Surface water, flowing

(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(c) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(d) n.s. = No standard. A numerical standard is not available.

(e) Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.

J = The reported value is an estimated quantity.

J+ = The reported value is an estimated quantity, and biased high.

Table LA-5
Los Alamos Canyon Surface Water Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Strontium (mg/L)	Thallium (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
NM Livestock Watering Standard[b]						n.s.	n.s.	n.s.	0.1 mg/L	25 mg/L
NM Wildlife Habitat Standard[c]						n.s.	n.s.	n.s.	n.s.	n.s.
Surface Water Transect Number 1										
41-1066	AAB0110	filtered	2-Aug-94	WSF	Los Alamos Canyon	0.088	0.001 U	0.001 U	0.004 U	0.03 U
41-1066	AAB0111	unfiltered	2-Aug-94	WSF	Los Alamos Canyon	0.092	0.001 U	0.001 U	0.004 U	0.042
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	0.089	0.0012 U	0.0014	0.004 U	0.02 U
41-1066	AAB8507	filtered	19-Oct-94	WSF	Los Alamos Canyon	0.08	0.001 U	0.001 U	0.004 U	0.02 U
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	0.0644	0.0022 U	0.0022 U	0.0044 U	0.0222 U
41-1066	0441-95-0023	filtered	10-May-95	WSF	Los Alamos Canyon	0.0667	0.0022 U	0.0022 U	0.0044 U	0.0222 U
Surface Water Transect Number 2										
41-1067	AAB0119	unfiltered	3-Aug-94	WSF	Los Alamos Canyon	0.12	0.001 U	0.001 U	0.004 U	0.02 U
41-1067	AAB0120	filtered	3-Aug-94	WSF	Los Alamos Canyon	0.12	0.001 U	0.001 U	0.004 U	0.02 U
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.088	0.001 U	0.001 U	0.004 U	0.034
41-1067	AAB8502	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.088	0.001 U	0.001 U	0.004 U	0.02 U
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	0.0645	0.0011 U	0.0011 U	0.0044 U	0.0222 U
41-1067	0441-95-0032	filtered	11-May-95	WSF	Los Alamos Canyon	0.0615	0.0011 U	0.0011 U	0.0044 U	0.0222 U
Surface Water Transect Number 3										
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.12	0.001 U	0.001 U	0.004 U	0.02 U
02-1071	AAB0118	filtered	03-Aug-94	WSF	Los Alamos Canyon	0.12	0.001 U	0.001 U	0.004 U	0.02 U
02-1071	AAB0112	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.087	0.001 U	0.001 U	0.006	0.02 U
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.093	0.001 U	0.001 U	0.004 U	0.037
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.0628	0.0022 U	0.0022 U	0.0044 U	0.0222 U
02-1071	0402-95-0345	filtered	15-May-95	WSF	Los Alamos Canyon	0.0613	0.0022 U	0.0022 U	0.0044 U	0.0222 U
Surface Water Transect Number 4										
02-1072	AAB0108	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.096	0.002 U	0.002 U	0.004 U	0.02 U
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.092	0.002 U	0.002 U	0.004 U	0.02 U
02-1072	AAB0116	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.09	0.002 U	0.002 U	0.004 U	0.02 U
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.092	0.002 U	0.002 U	0.004 U	0.022
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.0621	0.0022 U	0.0022 U	0.0044 U	0.0222 U
02-1072	0402-95-0388	filtered	16-May-95	WSF	Los Alamos Canyon	0.0591	0.0022 U	0.0022 U	0.0044 U	0.0222 U

Table LA-5
Los Alamos Canyon Surface Water Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Strontium (mg/L)	Thallium (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
NM Livestock Watering Standard[b]						n.s.	n.s.	n.s.	0.1 mg/L	25 mg/L
NM Wildlife Habitat Standard[c]						n.s.	n.s.	n.s.	n.s.	n.s.
Surface Water Transect Number 5										
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	0.086	0.001 U	0.001 U	0.006	0.02 U
02-1073	AAB0106	filtered	26-Oct-94	WSF	Los Alamos Canyon	0.003 U	0.001 U	0.001 U	0.004 U	0.02 U
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.064	0.0022 U	0.0022 U	0.0044 U	0.026
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.063 U	0.0022 U	0.0022 U	0.0044 U	0.042
02-1073	0402-95-0367	filtered	16-May-95	WSF	Los Alamos Canyon	0.0611	0.0022 U	0.0022 U	0.0044 U	0.0222 U

Notes:

(a) WSF = Surface water, flowing

(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(c) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(d) n.s. = No standard. A numerical standard is not available.

(e) Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.

J = The reported value is an estimated quantity.

J+ = The reported value is an estimated quantity, and biased high.

Table LA-6
Los Alamos Canyon Surface Water Data for Detected Organic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Bis(2-ethylhexyl)phthalate (mg/L)	Carbon Disulfide (mg/L)
NM Livestock Watering Standard [b]						n.s [d]	n.s
NM Wildlife Habitat Standard [c]						n.s	n.s
Surface Water Transect Number 1							
41-1066	AAB0111	unfiltered	02-Aug-94	WSF	Los Alamos Canyon	0.01 U	0.005 U
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	0.005 U	0.001 U
41-1066	AAB8550	unfiltered	25-Jan-95	WSF	Los Alamos Canyon	0.005 U	0.001 U
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	0.005 U	NA [e]
Surface Water Transect Number 2							
41-1067	AAB0119	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.01 U	0.005 U
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.005 U	0.001 U
41-1067	AAB8582	unfiltered	25-Jan-95	WSF	Los Alamos Canyon	0.006 U	0.001 U
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	0.004 J	NA
Surface Water Transect Number 3							
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.01 U	0.005 U
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.005 U	0.001 U
02-1071	AAB8541	unfiltered	13-Feb-95	WSF	Los Alamos Canyon	0.006 U	0.001 U
02-1071	AAB8542	unfiltered	13-Feb-95	WSF	Los Alamos Canyon	0.006 U	0.001
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.005 U	NA
Surface Water Transect Number 4							
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.01 U	0.005 U
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.01 U	0.005 U
02-0172	AAB8429	filtered	16-Feb-95	WSF	Los Alamos Canyon	0.006 U	0.001 U
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.006 U	NA
Surface Water Transect Number 5							
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	0.01 U	0.005 U
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.005 U	NA
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.005 U	NA

Notes:
(a) WSF = Surface water, flowing
(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.
(c) Based on total (i.e. unfiltered) recoverable selenium and total mercury.
(d) n.s. = No standard. A numerical standard is not available.
(e) NA = Not analyzed

Explanation of data qualifier flags:
U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.
J = The reported value is an estimated quantity.

Table LA-7
Los Alamos Canyon Surface Water Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Americium-241 (pCi/L)			Plutonium-238 (pCi/L)			Plutonium-239 (pCi/L)		
NM Livestock Watering Standard [b]						n.s. [d]			n.s.			n.s.		
NM Wildlife Habitat Standard [c]						n.s.			n.s.			n.s.		
Surface Water Transect 1														
41-1066	AAB0110	filtered	02-Aug-94	WSF	Los Alamos Canyon	0.02	(0.01) [g]	U	0.005	(0.01)	U	0.023	(0.02)	U
41-1066	AAB0111	unfiltered	02-Aug-94	WSF	Los Alamos Canyon	0.02	(0.01)	U	0.004	(0.01)	U	0.148	(0.04)	
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	0.286	(0.05)		0.03	(0.02)	U	0.024	(0.01)	U
41-1066	AAB8507	filtered	19-Oct-94	WSF	Los Alamos Canyon	0.014	(0.01)	U	0.008	(0.01)	U	0.009	(0.01)	U
41-1066	AAB8550	unfiltered	25-Jan-95	WSF	Los Alamos Canyon	0.102	(0.03)	U	0.02	(0.02)	U	0.087	(0.03)	U
41-1066	AAB8556	filtered	25-Jan-95	WSF	Los Alamos Canyon	0.021	(0.01)	U	0.017	(0.01)	U	0.017	(0.01)	U
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	0.03	(0.02)	U	0.015	(0.01)	U	0.013	(0.01)	U
41-1066	0441-95-0023	filtered	10-May-95	WSF	Los Alamos Canyon	0.021	(0.01)	U	0.017	(0.01)	U	0.012	(0.01)	U
Surface Water Transect 2														
41-1067	AAB0119	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.07	(0.01)		0.005	(0.01)	U	0.021	(0.01)	
41-1067	AAB0120	filtered	03-Aug-94	WSF	Los Alamos Canyon	0.006	(0.01)	U	0.004	(0.01)	U	0.006	(0.004)	U
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.012	(0.01)	U	0.008	(0.01)	U	0.047	(0.01)	
41-1067	AAB8502	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.023	(0.01)	U	0.008	(0.01)	U	0.022	(0.008)	U
41-1067	AAB8564	filtered	25-Jan-95	WSF	Los Alamos Canyon	0.031	(0.02)	U	0.013	(0.01)	U	0.011	(0.01)	U
41-1067	AAB8582	unfiltered	25-Jan-95	WSF	Los Alamos Canyon	0.029	(0.02)	U	0.014	(0.01)	U	0.198	(0.05)	
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	0.013	(0.01)	U	0.023	(0.01)	U	0.022	(0.01)	U
41-1067	0441-95-0032	filtered	11-May-95	WSF	Los Alamos Canyon	0.016	(0.01)	U	0.016	(0.01)	U	0.004	(0.006)	U
Surface Water Transect 3														
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.008	(0.004)	U	0.005	(0.01)	U	0.022	(0.007)	
02-1071	AAB0118	filtered	03-Aug-94	WSF	Los Alamos Canyon	0.011	(0.005)	U	0.012	(0.01)	U	0.012	(0.006)	U
02-1071	AAB0112	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.012	(0.008)	U	0.009	(0.01)	U	0.014	(0.006)	U
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.014	(0.006)	U	0.003	(0.01)	U	0.041	(0.01)	
02-1071	AAB8541	unfiltered	13-Feb-95	WSF	Los Alamos Canyon	0.04	(0.02)	U	0.01	(0.01)	U	0.03	(0.03)	U
02-1071	AAB8542	unfiltered	13-Feb-95	WSF	Los Alamos Canyon	0.06	(0.03)	U	0.03	(0.02)	U	0.08	(0.04)	U
02-1071	AAB8551	filtered	13-Feb-95	WSF	Los Alamos Canyon	0.03	(0.02)	U	0.02	(0.02)	U	0.09	(0.04)	U
02-1071	AAB8552	filtered	13-Feb-95	WSF	Los Alamos Canyon	0.04	(0.02)	U	0.01	(0.01)	U	0.1	(0.04)	U
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.028	(0.01)	U	0.01	(0.01)	U	0.021	(0.01)	U
02-1071	0402-95-0345	filtered	15-May-95	WSF	Los Alamos Canyon	0.032	(0.01)	U	0.01	(0.01)	U	0.002	(0.01)	U

Table LA-7
Los Alamos Canyon Surface Water Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Americium-241 (pCi/L)			Plutonium-238 (pCi/L)			Plutonium-239 (pCi/L)		
NM Livestock Watering Standard [b]						n.s. [d]			n.s.			n.s.		
NM Wildlife Habitat Standard [c]						n.s.			n.s.			n.s.		
Surface Water Transect 4														
02-1072	AAB0108	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.033	(0.02)	U	0.017	(0.02)	U	0.019	(0.02)	U
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.019	(0.01)	U	0.01	(0.02)	U	0.107	(0.044)	U
02-1072	AAB0116	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.028	(0.02)	U	0.012	(0.01)	U	0.009	(0.01)	U
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.019	(0.01)	U	0.041	(0.03)	U	0.273	(0.07)	
02-0172	AAB8429	filtered	16-Feb-95	WSF	Los Alamos Canyon	0.01	(0.001)	U	0	(0.01)	U	0.03	(0.02)	U
02-1072	AAB8456	filtered	16-Feb-95	WSF	Los Alamos Canyon	0.01	(0.01)	U	0	(0.01)	U	0.02	(0.01)	U
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.032	(0.01)	U	0.018	(0.01)	U	0.027	(0.02)	U
02-1072	0402-95-0388	filtered	16-May-95	WSF	Los Alamos Canyon	0.039	(0.02)	U	0.021	(0.01)	U	0.019	(0.02)	U
Surface Water Transect 5														
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	0.021	(0.02)	U	0.039	(0.02)	U	0.125	(0.04)	
02-1073	AAB0106	filtered	26-Oct-94	WSF	Los Alamos Canyon	0.012	(0.01)	U	0.01	(0.01)	U	0.11	(0.04)	U
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.017	(0.01)	U	0.01	(0.01)	U	0.025	(0.02)	U
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.044	(0.02)	U	0.002	(0.01)	U	0.015	(0.01)	U
02-1073	0402-95-0367	filtered	16-May-95	WSF	Los Alamos Canyon	0.02	(0.01)	U	0.005	(0.01)	U	0.004	(0.0)	U

Notes:

(a) WSF = Surface water, flowing

(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(c) Based on total (i.e. unfiltered) recoverable selenium and total

(d) n.s. = No standard. A numerical standard is not available.

(e) NUR = No uncertainty reported

(f) NA = Not analyzed

(g) 1 Sigma Uncertainty

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.

Table LA-7
Los Alamos Canyon Surface Water Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Radium-226 (pCi/L)			Strontium-90 (pCi/L)			Technetium-99 (pCi/L)		
NM Livestock Watering Standard [b]						30			n.s.			n.s.		
NM Wildlife Habitat Standard [c]						n.s.			n.s.			n.s.		
Surface Water Transect 1														
41-1066	AAB0110	filtered	02-Aug-94	WSF	Los Alamos Canyon	0.08	(0.04)	U	-0.2	(0.3)	U	0.5	NUR [e]	U
41-1066	AAB0111	unfiltered	02-Aug-94	WSF	Los Alamos Canyon	0.08	(0.05)	U	0.11	(0.39)	U	0.5	NUR	U
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	0.16	(0.06)	U	-0.3	(0.21)	U	0.7	NUR	U
41-1066	AAB8507	filtered	19-Oct-94	WSF	Los Alamos Canyon	0.18	(0.06)	U	0.05	(0.22)	U	0.7	NUR	U
41-1066	AAB8550	unfiltered	25-Jan-95	WSF	Los Alamos Canyon	0.1	(0.05)	U	-0.31	(0.47)	U	0.7	NUR	U
41-1066	AAB8556	filtered	25-Jan-95	WSF	Los Alamos Canyon	0.08	(0.05)	U	-0.21	(0.48)	U	0.7	NUR	U
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	0.21	(0.07)	U	-0.42	(0.38)	U	0.6	NUR	U
41-1066	0441-95-0023	filtered	10-May-95	WSF	Los Alamos Canyon	0.15	(0.06)	U	-0.21	(0.39)	U	0.6	NUR	U
Surface Water Transect 2														
41-1067	AAB0119	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.17	(0.05)		0.12	(0.15)	U	0.5	NUR	U
41-1067	AAB0120	filtered	03-Aug-94	WSF	Los Alamos Canyon	0.08	(0.04)	U	0.05	(0.16)	U	0.5	NUR	U
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.18	(0.05)		0.13	(0.25)	U	0.7	NUR	U
41-1067	AAB8502	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.12	(0.05)	U	-0.07	(0.23)	U	0.7	NUR	U
41-1067	AAB8564	filtered	25-Jan-95	WSF	Los Alamos Canyon	0.05	(0.04)	U	-0.53	(0.47)	U	0.7	NUR	U
41-1067	AAB8582	unfiltered	25-Jan-95	WSF	Los Alamos Canyon	0.08	(0.04)	U	-0.62	(0.46)	U	0.7	NUR	U
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	0.27	(0.08)		0.19	(0.37)	U	0.6	NUR	U
41-1067	0441-95-0032	filtered	11-May-95	WSF	Los Alamos Canyon	0.44	(0.13)		-0.38	(0.35)	U	0.6	NUR	U
Surface Water Transect 3														
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.13	(0.04)		0.3	(0.16)	U	0.5	NUR	U
02-1071	AAB0118	filtered	03-Aug-94	WSF	Los Alamos Canyon	0.014	(0.04)	U	0.19	(0.16)	U	0.5	NUR	U
02-1071	AAB0112	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.05	(0.03)	U	-0.04	(0.23)	U	0.7	NUR	U
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.15	(0.05)	U	-0.3	(0.24)	U	0.7	NUR	U
02-1071	AAB8541	unfiltered	13-Feb-95	WSF	Los Alamos Canyon	0.11	(0.05)	U	-0.27	(0.42)	U	0.7	NUR	U
02-1071	AAB8542	unfiltered	13-Feb-95	WSF	Los Alamos Canyon	0.13	(0.06)	U	-0.07	(0.44)	U	0.7	NUR	U
02-1071	AAB8551	filtered	13-Feb-95	WSF	Los Alamos Canyon	0.15	(0.06)	U	0.54	(0.46)	U	0.7	NUR	U
02-1071	AAB8552	filtered	13-Feb-95	WSF	Los Alamos Canyon	0.12	(0.06)	U	0.21	(0.46)	U	0.7	NUR	U
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.46	(0.12)		-0.38	(0.03)	U	0.6	NUR	U
02-1071	0402-95-0345	filtered	15-May-95	WSF	Los Alamos Canyon	0.14	(0.07)	U	-0.52	(0.36)	U	0.6	NUR	U

Table LA-7
Los Alamos Canyon Surface Water Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Radium-226 (pCi/L)			Strontium-90 (pCi/L)			Technetium-99 (pCi/L)		
NM Livestock Watering Standard [b]						30			n.s.			n.s.		
NM Wildlife Habitat Standard [c]						n.s.			n.s.			n.s.		
Surface Water Transect 4														
02-1072	AAB0108	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.11	(0.05)	U	-0.53	(0.43)	U	0.7	NUR	U
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.11	(0.06)	U	0	(0.50)	U	0.7	NUR	U
02-1072	AAB0116	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.13	(0.07)	U	0.18	(0.50)	U	0.7	NUR	U
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.15	(0.06)	U	0.1	(0.45)	U	0.7	NUR	U
02-0172	AAB8429	filtered	16-Feb-95	WSF	Los Alamos Canyon	0.12	(0.08)	U	0.65	(0.23)	U	0.7	NUR	U
02-1072	AAB8456	filtered	16-Feb-95	WSF	Los Alamos Canyon	0.15	(0.1)	U	0.06	(0.21)	U	0.7	NUR	U
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.19	(0.07)	U	-0.54	(0.37)	U	0.6	NUR	U
02-1072	0402-95-0388	filtered	16-May-95	WSF	Los Alamos Canyon	0.34	(0.10)		-0.32	(0.40)	U	0.6	NUR	U
Surface Water Transect 5														
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	0.18	(0.06)		1.1	(0.5)	U	0.7	NUR	U
02-1073	AAB0106	filtered	26-Oct-94	WSF	Los Alamos Canyon	0.3	(0.08)		1.6	(0.5)		0.7	NUR	U
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.23	(0.08)	U	0.42	(0.4)	U	0.6	NUR	
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.23	(0.08)		-0.33	(0.37)	U	0.6	NUR	
02-1073	0402-95-0367	filtered	16-May-95	WSF	Los Alamos Canyon	0.13	(0.07)	U	0.47	(0.4)	U	0.6	NUR	

Notes:

(a) WSF = Surface water, flowing

(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(c) Based on total (i.e. unfiltered) recoverable selenium and total

(d) n.s. = No standard. A numerical standard is not available.

(e) NUR = No uncertainty reported

(f) NA = Not analyzed

(g) 1 Sigma Uncertainty

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

UJ- = The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit, with a low bias.

Table LA-7
Los Alamos Canyon Surface Water Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Thorium-230 (pCi/L)			Uranium-234 (pCi/L)			Uranium-235 (pCi/L)		
NM Livestock Watering Standard [b]						n.s.			n.s.			n.s.		
NM Wildlife Habitat Standard [c]						n.s.			n.s.			n.s.		
Surface Water Transect 1														
41-1066	AAB0110	filtered	02-Aug-94	WSF	Los Alamos Canyon	0.04	(0.02)	U	0.033	(0.03)	U	0.01	(0.02)	U
41-1066	AAB0111	unfiltered	02-Aug-94	WSF	Los Alamos Canyon	0.18	(0.06)	U	0.084	(0.04)	U	0.003	(0.01)	U
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	0.08	(0.03)	U	0.29	(0.08)		0.02	(0.03)	U
41-1066	AAB8507	filtered	19-Oct-94	WSF	Los Alamos Canyon	0.05	(0.02)		0.22	(0.06)		0.02	(0.04)	U
41-1066	AAB8550	unfiltered	25-Jan-95	WSF	Los Alamos Canyon	0.28	(0.07)		0.07	(0.05)	U	0	(0.03)	U
41-1066	AAB8556	filtered	25-Jan-95	WSF	Los Alamos Canyon	0.23	(0.06)		0.03	(0.04)	U	0.02	(0.05)	U
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	0.187	(0.05)		0.1	(0.05)	U	0	(0.01)	U
41-1066	0441-95-0023	filtered	10-May-95	WSF	Los Alamos Canyon	0.16	(0.03)		0.04	(0.04)	U	0	(0.01)	UJ-
Surface Water Transect 2														
41-1067	AAB0119	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.09	(0.03)		0.06	(0.03)	U	0.01	(0.01)	U
41-1067	AAB0120	filtered	03-Aug-94	WSF	Los Alamos Canyon	0.11	(0.06)	U	0.03	(0.03)	U	0.01	(0.02)	U
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.1	(0.03)		0.2	(0.05)		0.04	(0.03)	U
41-1067	AAB8502	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.07	(0.02)		0.16	(0.05)		0.01	(0.02)	U
41-1067	AAB8564	filtered	25-Jan-95	WSF	Los Alamos Canyon	0.23	(0.06)		0.09	(0.05)	U	0.03	(0.03)	U
41-1067	AAB8582	unfiltered	25-Jan-95	WSF	Los Alamos Canyon	0.22	(0.07)		0.09	(0.06)	U	0.03	(0.05)	U
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	0.195	(0.06)		0.05	(0.04)	U	0	(0.01)	U
41-1067	0441-95-0032	filtered	11-May-95	WSF	Los Alamos Canyon	0.145	(0.05)	U	0.08	(0.05)	U	0.01	(0.03)	U
Surface Water Transect 3														
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.14	(0.04)		0.12	(0.05)	U	0.01	(0.02)	U
02-1071	AAB0118	filtered	03-Aug-94	WSF	Los Alamos Canyon	0.12	(0.09)	U	0.02	(0.03)	U	0	NUR	U
02-1071	AAB0112	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.05	(0.02)	U	0.15	(0.05)		0.01	(0.02)	U
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.06	(0.02)		0.2	(0.06)		0.02	(0.03)	U
02-1071	AAB8541	unfiltered	13-Feb-95	WSF	Los Alamos Canyon	0.25	(0.07)		0.07	(0.04)	U	0	(0.02)	U
02-1071	AAB8542	unfiltered	13-Feb-95	WSF	Los Alamos Canyon	0.16	(0.06)	U	0.05	(0.04)	U	0.02	(0.03)	U
02-1071	AAB8551	filtered	13-Feb-95	WSF	Los Alamos Canyon	0.15	(0.05)	U	0.06	(0.03)	U	0.01	(0.02)	U
02-1071	AAB8552	filtered	13-Feb-95	WSF	Los Alamos Canyon	0.21	(0.08)	U	0.1	(0.04)	U	0.02	(0.02)	U
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.19	(0.05)		0.08	(0.05)	U	0.01	(0.02)	U
02-1071	0402-95-0345	filtered	15-May-95	WSF	Los Alamos Canyon	0.11	(0.04)	U	0.03	(0.04)	U	0	(0.02)	U

Table LA-7
Los Alamos Canyon Surface Water Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Thorium-230 (pCi/L)			Uranium-234 (pCi/L)			Uranium-235 (pCi/L)		
NM Livestock Watering Standard [b]						n.s.			n.s.			n.s.		
NM Wildlife Habitat Standard [c]						n.s.			n.s.			n.s.		
Surface Water Transect 4														
02-1072	AAB0108	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.13	(0.05)	U	0.14	(0.06)	U	0.01	(0.03)	U
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.25	(0.07)		0.24	(0.08)		0.02	(0.04)	U
02-1072	AAB0116	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.16	(0.05)		0.08	(0.05)	U	0	(0.03)	U
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.24	(0.05)		0.15	(0.07)	U	0.05	(0.04)	U
02-0172	AAB8429	filtered	16-Feb-95	WSF	Los Alamos Canyon	0.28	(0.05)		1.18	(0.15)		0.05	(0.03)	U
02-1072	AAB8456	filtered	16-Feb-95	WSF	Los Alamos Canyon	0.07	(0.02)		0.31	(0.06)		0.02	(0.03)	U
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.2	(0.05)		0.06	(0.04)	U	NA [f]		
02-1072	0402-95-0388	filtered	16-May-95	WSF	Los Alamos Canyon	0.19	(0.06)		0.07	(0.05)	U	NA		
Surface Water Transect 5														
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	0.23	(0.06)		0.13	(0.05)	U	0.03	(0.03)	U
02-1073	AAB0106	filtered	26-Oct-94	WSF	Los Alamos Canyon	0.16	(0.05)		0.1	(0.04)	U	0.03	(0.02)	U
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.21	(0.06)		0.11	(0.05)	U	NA		
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.22	(0.05)		0.11	(0.05)	U	NA		
02-1073	0402-95-0367	filtered	16-May-95	WSF	Los Alamos Canyon	0.17	(0.05)		0.04	(0.03)	U	NA		

Notes:

(a) WSF = Surface water, flowing

(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(c) Based on total (i.e. unfiltered) recoverable selenium and total

(d) n.s. = No standard. A numerical standard is not available.

(e) NUR = No uncertainty reported

(f) NA = Not analyzed

(g) 1 Sigma Uncertainty

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

UJ- = The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit, with a low bias.

Table LA-7
Los Alamos Canyon Surface Water Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Uranium-238 (pCi/L)		
NM Livestock Watering Standard [b]						n.s.		
NM Wildlife Habitat Standard [c]						n.s.		
Surface Water Transect 1								
41-1066	AAB0110	filtered	02-Aug-94	WSF	Los Alamos Canyon	0.04	(0.03)	U
41-1066	AAB0111	unfiltered	02-Aug-94	WSF	Los Alamos Canyon	0.064	(0.03)	U
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	0.32	(0.08)	
41-1066	AAB8507	filtered	19-Oct-94	WSF	Los Alamos Canyon	0.18	(0.05)	
41-1066	AAB8550	unfiltered	25-Jan-95	WSF	Los Alamos Canyon	0.07	(0.05)	U
41-1066	AAB8556	filtered	25-Jan-95	WSF	Los Alamos Canyon	0.05	(0.04)	U
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	0.05	(0.03)	U
41-1066	0441-95-0023	filtered	10-May-95	WSF	Los Alamos Canyon	0.04	(0.03)	U
Surface Water Transect 2								
41-1067	AAB0119	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.05	(0.03)	U
41-1067	AAB0120	filtered	03-Aug-94	WSF	Los Alamos Canyon	0.05	(0.03)	U
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.15	(0.05)	
41-1067	AAB8502	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.14	(0.04)	
41-1067	AAB8564	filtered	25-Jan-95	WSF	Los Alamos Canyon	0.06	(0.05)	U
41-1067	AAB8582	unfiltered	25-Jan-95	WSF	Los Alamos Canyon	0.03	(0.04)	U
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	0.08	(0.04)	U
41-1067	0441-95-0032	filtered	11-May-95	WSF	Los Alamos Canyon	0.06	(0.04)	U
Surface Water Transect 3								
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.06	(0.04)	U
02-1071	AAB0118	filtered	03-Aug-94	WSF	Los Alamos Canyon	0.05	(0.03)	U
02-1071	AAB0112	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.14	(0.04)	
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.2	(0.05)	
02-1071	AAB8541	unfiltered	13-Feb-95	WSF	Los Alamos Canyon	0.05	(0.03)	U
02-1071	AAB8542	unfiltered	13-Feb-95	WSF	Los Alamos Canyon	0.04	(0.03)	U
02-1071	AAB8551	filtered	13-Feb-95	WSF	Los Alamos Canyon	0.09	(0.04)	U
02-1071	AAB8552	filtered	13-Feb-95	WSF	Los Alamos Canyon	0.06	(0.04)	U
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.06	(0.035)	U
02-1071	0402-95-0345	filtered	15-May-95	WSF	Los Alamos Canyon	0.03	(0.03)	U

Table LA-7
Los Alamos Canyon Surface Water Data for Radionuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Uranium-238 (pCi/L)		
NM Livestock Watering Standard [b]						n.s.		
NM Wildlife Habitat Standard [c]						n.s.		
Surface Water Transect 4								
02-1072	AAB0108	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.1	(0.05)	U
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.3	(0.08)	
02-1072	AAB0116	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.1	(0.05)	U
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.17	(0.06)	U
02-0172	AAB8429	filtered	16-Feb-95	WSF	Los Alamos Canyon	1.29	(0.15)	
02-1072	AAB8456	filtered	16-Feb-95	WSF	Los Alamos Canyon	0.42	(0.07)	
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.03	(0.03)	U
02-1072	0402-95-0388	filtered	16-May-95	WSF	Los Alamos Canyon	0.03	(0.03)	U
Surface Water Transect 5								
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	0.13	(0.04)	
02-1073	AAB0106	filtered	26-Oct-94	WSF	Los Alamos Canyon	0.07	(0.03)	U
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.05	(0.03)	U
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.05	(0.04)	U
02-1073	0402-95-0367	filtered	16-May-95	WSF	Los Alamos Canyon	0.02	(0.02)	U

Notes:

(a) WSF = Surface water, flowing

(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(c) Based on total (i.e. unfiltered) recoverable selenium and total

(d) n.s. = No standard. A numerical standard is not available.

(e) NUR = No uncertainty reported

(f) NA = Not analyzed

(g) 1 Sigma Uncertainty

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

UJ- = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit, with a low bias.

Table LA-8
Los Alamos Canyon Surface Water Data for Water Quality Parameters

Location ID	Sample ID		Collection Date	Media Code [a]	Watershed	Boron (mg/L)	Dissolved Organic Carbon (mg/L)	Chlorate (mg/L)	Chloride (mg/L)
NM Livestock Watering Standard [b]						5 mg/L	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard [c]						n.s. [d]	n.s.	n.s.	n.s.
Basalt Spring									
n.a. [e]	CALA-98-1006	unfiltered	29-May-98	WGS	Los Alamos Canyon	NA [f]	NA	NA	NA
LA Spring									
n.a.	CALA-98-1007	unfiltered	29-May-98	WGS	Los Alamos Canyon	NA	NA	NA	NA
Surface Water Transect Number 1									
41-1066	AAB0110	filtered	02-Aug-94	WSF	Los Alamos Canyon	0.013	3.5	0.61	64
41-1066	AAB0111	unfiltered	02-Aug-94	WSF	Los Alamos Canyon	0.014	NA	0.63	64
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	0.068	NA	NA	48
41-1066	AAB8507	filtered	19-Oct-94	WSF	Los Alamos Canyon	0.015	4.7	NA	48
41-1066	AAB8556	filtered	25-Jan-95	WSF	Los Alamos Canyon	0.011 U	2.2	NA	52.7
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	0.0111 U	NA	0.5 U	13.8
41-1066	0441-95-0023	filtered	10-May-95	WSF	Los Alamos Canyon	0.0111 U	4.9	2.21	14
Surface Water Transect Number 2									
41-1067	AAB0119	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.01 U	NA	0.76	70
41-1067	AAB0120	filtered	03-Aug-94	WSF	Los Alamos Canyon	0.01 U	3.2	0.85	70
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.015	NA	4.7	48
41-1067	AAB8502	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.024	3.6	4.7	48
41-1067	AAB8564	filtered	25-Jan-95	WSF	Los Alamos Canyon	0.012	2.2		62.7
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	0.0111 U	NA	0.561	NA
41-1067	0441-95-0032	filtered	11-May-95	WSF	Los Alamos Canyon	0.0111 U	NA	0.588	NA
Surface Water Transect Number 3									
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.01 U	NA	0.73	69
02-1071	AAB0118	filtered	03-Aug-94	WSF	Los Alamos Canyon	0.01 U	3.5	0.65	70
02-1071	AAB0112	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.032	3.8	4.9	48
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.019	NA	4.8	50
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.0111 U	NA	0.668	13.2
02-1071	0402-95-0345	filtered	15-May-95	WSF	Los Alamos Canyon	0.0111 U	4.4	0.708	13.2

Table LA-8
Los Alamos Canyon Surface Water Data for Water Quality Parameters

Location ID	Sample ID		Collection Date	Media Code [a]	Watershed	Boron (mg/L)	Dissolved Organic Carbon (mg/L)	Chlorate (mg/L)	Chloride (mg/L)
NM Livestock Watering Standard [b]						5 mg/L	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard [c]						n.s. [d]	n.s.	n.s.	n.s.
Surface Water Transect Number 4									
02-1072	AAB0108	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.013	3.3	29	45
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.012	NA	0.87	44
02-1072	AAB0116	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.012	2.9	0.86	44
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.012	NA	0.85	43
02-1072	AAB8456	filtered	16-Feb-95	WSF	Los Alamos Canyon	0.01	3.3		115
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.0111 U	NA	0.809	12.5
02-1072	0402-95-0388	filtered	16-May-95	WSF	Los Alamos Canyon	0.0111 U	NA	0.591	12.7
Surface Water Transect Number 5									
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	0.023	NA	1.13	46
02-1073	AAB0106	filtered	26-Oct-94	WSF	Los Alamos Canyon	0.062	2.7	0.83	46
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.0111 U		0.5 U	13.2
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.0111 U	NA	1.02	12.9
02-1073	0402-95-0367	filtered	16-May-95	WSF	Los Alamos Canyon	0.0111 U	NA	0.635	13.2

Notes:

(a) WGS = Groundwater, spring

(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(c) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(d) n.s. = No standard. A numerical standard is not available.

(e) n.a. = Not available

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the detection limit.

Table LA-8
Los Alamos Canyon Surface Water Data for Water Quality Parameters

Location ID	Sample ID		Collection Date	Media Code [a]	Watershed	Fluoride (mg/L)	Humic Substances, Hydrophilic Acids (mg/L)	Humic Substances, Hydrophilic Bases (mg/L)	Humic Substances, Hydrophilic Neutrals (mg/L)
NM Livestock Watering Standard [b]						n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard [c]						n.s.	n.s.	n.s.	n.s.
Basalt Spring									
n.a. [e]	CALA-98-1006	unfiltered	29-May-98	WGS	Los Alamos Canyon	NA	NA	NA	NA
LA Spring									
n.a.	CALA-98-1007	unfiltered	29-May-98	WGS	Los Alamos Canyon	NA	NA	NA	NA
Surface Water Transect Number 1									
41-1066	AAB0110	filtered	02-Aug-94	WSF	Los Alamos Canyon	0.17	NA	NA	NA
41-1066	AAB0111	unfiltered	02-Aug-94	WSF	Los Alamos Canyon	0.17	NA	NA	NA
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	0.16	NA	NA	NA
41-1066	AAB8507	filtered	19-Oct-94	WSF	Los Alamos Canyon	0.15	NA	NA	NA
41-1066	AAB8556	filtered	25-Jan-95	WSF	Los Alamos Canyon	0.14	NA	NA	NA
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	0.1	NA	NA	NA
41-1066	0441-95-0023	filtered	10-May-95	WSF	Los Alamos Canyon	0.01 U	1.9	0.4	0.1
Surface Water Transect Number 2									
41-1067	AAB0119	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.16	NA	NA	NA
41-1067	AAB0120	filtered	03-Aug-94	WSF	Los Alamos Canyon	0.17	NA	NA	NA
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.12	NA	NA	NA
41-1067	AAB8502	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.14	NA	NA	NA
41-1067	AAB8564	filtered	25-Jan-95	WSF	Los Alamos Canyon	0.13	NA	NA	NA
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	0.1 U	NA	NA	NA
41-1067	0441-95-0032	filtered	11-May-95	WSF	Los Alamos Canyon	0.1 U	NA	NA	NA
Surface Water Transect Number 3									
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	0.18	NA	NA	NA
02-1071	AAB0118	filtered	03-Aug-94	WSF	Los Alamos Canyon	0.17	NA	NA	NA
02-1071	AAB0112	filtered	20-Oct-94	WSF	Los Alamos Canyon	0.14	NA	NA	NA
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	0.15	NA	NA	NA
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.1 U	NA	NA	NA
02-1071	0402-95-0345	filtered	15-May-95	WSF	Los Alamos Canyon	0.1 U	2.3	0.2	0.2

Table LA-8
Los Alamos Canyon Surface Water Data for Water Quality Parameters

Location ID	Sample ID		Collection Date	Media Code [a]	Watershed	Fluoride (mg/L)	Humic Substances, Hydrophilic Acids (mg/L)	Humic Substances, Hydrophilic Bases (mg/L)	Humic Substances, Hydrophilic Neutrals (mg/L)
NM Livestock Watering Standard [b]						n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard [c]						n.s.	n.s.	n.s.	n.s.
Surface Water Transect Number 4									
02-1072	AAB0108	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.14	NA	NA	NA
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.17	NA	NA	NA
02-1072	AAB0116	filtered	24-Oct-94	WSF	Los Alamos Canyon	0.17	NA	NA	NA
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	0.16	NA	NA	NA
02-1072	AAB8456	filtered	16-Feb-95	WSF	Los Alamos Canyon		NA	NA	NA
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.1	NA	NA	NA
02-1072	0402-95-0388	filtered	16-May-95	WSF	Los Alamos Canyon	0.1	NA	NA	NA
Surface Water Transect Number 5									
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	0.18	NA	NA	NA
02-1073	AAB0106	filtered	26-Oct-94	WSF	Los Alamos Canyon	0.18	NA	NA	NA
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.1 U	NA	NA	NA
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.1 U	NA	NA	NA
02-1073	0402-95-0367	filtered	16-May-95	WSF	Los Alamos Canyon	0.1	NA	NA	NA

Notes:

(a) WGS = Groundwater, spring

(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(c) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(d) n.s. = No standard. A numerical standard is not available.

(e) n.a. = Not available

(f) NA = Not analyzed

Explanation of data qualifier flags:

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Table LA-8
Los Alamos Canyon Surface Water Data for Water Quality Parameters

Location ID	Sample ID		Collection Date	Media Code [a]	Watershed	Humic Substances, Hydrophilic Total (mg/L)	Humic Substances, Hydrophobic Acids (mg/L)	Humic Substances, Hydrophobic Bases (mg/L)	Humic Substances, Hydrophobic Neutrals (mg/L)
NM Livestock Watering Standard [b]						n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard [c]						n.s.	n.s.	n.s.	n.s.
Basalt Spring									
n.a. [e]	CALA-98-1006	unfiltered	29-May-98	WGS	Los Alamos Canyon	NA	NA	NA	NA
LA Spring									
n.a.	CALA-98-1007	unfiltered	29-May-98	WGS	Los Alamos Canyon	NA	NA	NA	NA
Surface Water Transect Number 1									
41-1066	AAB0110	filtered	02-Aug-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
41-1066	AAB0111	unfiltered	02-Aug-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
41-1066	AAB8507	filtered	19-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
41-1066	AAB8556	filtered	25-Jan-95	WSF	Los Alamos Canyon	NA	NA	NA	NA
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	NA	NA	NA	NA
41-1066	0441-95-0023	filtered	10-May-95	WSF	Los Alamos Canyon	2.5	1.5	0	0.8
Surface Water Transect Number 2									
41-1067	AAB0119	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
41-1067	AAB0120	filtered	03-Aug-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
41-1067	AAB8502	filtered	20-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
41-1067	AAB8564	filtered	25-Jan-95	WSF	Los Alamos Canyon	NA	NA	NA	NA
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	NA	NA	NA	NA
41-1067	0441-95-0032	filtered	11-May-95	WSF	Los Alamos Canyon	NA	NA	NA	NA
Surface Water Transect Number 3									
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
02-1071	AAB0118	filtered	03-Aug-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
02-1071	AAB0112	filtered	20-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	NA	NA	NA	NA
02-1071	0402-95-0345	filtered	15-May-95	WSF	Los Alamos Canyon	2.7	1.4	0	0.3

Table LA-8
Los Alamos Canyon Surface Water Data for Water Quality Parameters

Location ID	Sample ID		Collection Date	Media Code [a]	Watershed	Humic Substances, Hydrophilic Total (mg/L)	Humic Substances, Hydrophobic Acids (mg/L)	Humic Substances, Hydrophobic Bases (mg/L)	Humic Substances, Hydrophobic Neutrals (mg/L)
NM Livestock Watering Standard [b]						n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard [c]						n.s.	n.s.	n.s.	n.s.
Surface Water Transect Number 4									
02-1072	AAB0108	filtered	24-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
02-1072	AAB0116	filtered	24-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
02-1072	AAB8456	filtered	16-Feb-95	WSF	Los Alamos Canyon	NA	NA	NA	NA
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	NA	NA	NA	NA
02-1072	0402-95-0388	filtered	16-May-95	WSF	Los Alamos Canyon	NA	NA	NA	NA
Surface Water Transect Number 5									
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
02-1073	AAB0106	filtered	26-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	NA
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	NA	NA	NA	NA
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	NA	NA	NA	NA
02-1073	0402-95-0367	filtered	16-May-95	WSF	Los Alamos Canyon	NA	NA	NA	NA

Notes:

(a) WGS = Groundwater, spring

(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(c) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(d) n.s. = No standard. A numerical standard is not available.

(e) n.a. = Not available

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the detection limit.

Table LA-8
Los Alamos Canyon Surface Water Data for Water Quality Parameters

Location ID	Sample ID		Collection Date	Media Code [a]	Watershed	Humic Substances, Hydrophobic Neutrals (mg/L)	Ammonia as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)
NM Livestock Watering Standard [b]						n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard [c]						n.s.	n.s.	n.s.	n.s.
Basalt Spring									
n.a. [e]	CALA-98-1006	unfiltered	29-May-98	WGS	Los Alamos Canyon	NA	NA	NA	NA
LA Spring									
n.a.	CALA-98-1007	unfiltered	29-May-98	WGS	Los Alamos Canyon	NA	NA	NA	NA
Surface Water Transect Number 1									
41-1066	AAB0110	filtered	02-Aug-94	WSF	Los Alamos Canyon	NA	0.02	0.11	0.02 U
41-1066	AAB0111	unfiltered	02-Aug-94	WSF	Los Alamos Canyon	NA	0.02	0.11	0.02 U
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	NA	0.02	0.12	0.02 U
41-1066	AAB8507	filtered	19-Oct-94	WSF	Los Alamos Canyon	NA	0.04	0.12	0.02 U
41-1066	AAB8556	filtered	25-Jan-95	WSF	Los Alamos Canyon	NA		NA	
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	NA	0.04 U	0.407	0.04 U
41-1066	0441-95-0023	filtered	10-May-95	WSF	Los Alamos Canyon	2.4	0.04 U	0.243	0.06
Surface Water Transect Number 2									
41-1067	AAB0119	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	NA	0.02	0.11	0.02 U
41-1067	AAB0120	filtered	03-Aug-94	WSF	Los Alamos Canyon	NA	0.02	0.13	0.02 U
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	NA	0.03	0.11	0.02 U
41-1067	AAB8502	filtered	20-Oct-94	WSF	Los Alamos Canyon	NA	0.03	0.12	0.02 U
41-1067	AAB8564	filtered	25-Jan-95	WSF	Los Alamos Canyon	NA			NA
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	NA	0.017	NA	0.02 U
41-1067	0441-95-0032	filtered	11-May-95	WSF	Los Alamos Canyon	NA	0.02 U	NA	0.02 U
Surface Water Transect Number 3									
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	NA	0.02	0.12	0.02 U
02-1071	AAB0118	filtered	03-Aug-94	WSF	Los Alamos Canyon	NA	0.02	0.12	0.02 U
02-1071	AAB0112	filtered	20-Oct-94	WSF	Los Alamos Canyon	NA	0.04	0.11	0.02 U
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	NA	0.015	3.6	0.02 U
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	NA	0.01 U	NA	0.02 U
02-1071	0402-95-0345	filtered	15-May-95	WSF	Los Alamos Canyon	1.7	0.01 U	NA	0.02 U

Table LA-8
Los Alamos Canyon Surface Water Data for Water Quality Parameters

Location ID	Sample ID		Collection Date	Media Code [a]	Watershed	Humic Substances, Hydrophobic Neutrals (mg/L)	Ammonia as N (mg/L)	Nitrate as N (mg/L)	Nitrite as N (mg/L)
NM Livestock Watering Standard [b]						n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard [c]						n.s.	n.s.	n.s.	n.s.
Surface Water Transect Number 4									
02-1072	AAB0108	filtered	24-Oct-94	WSF	Los Alamos Canyon	NA	0.01 U	0.13	0.02 U
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	NA	0.01 U	0.1	0.02 U
02-1072	AAB0116	filtered	24-Oct-94	WSF	Los Alamos Canyon	NA	0.01 U	0.1	0.02 U
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	NA	0.01 U	0.09	0.02 U
02-1072	AAB8456	filtered	16-Feb-95	WSF	Los Alamos Canyon	NA		NA	
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	NA	0.01 U	NA	0.02 U
02-1072	0402-95-0388	filtered	16-May-95	WSF	Los Alamos Canyon	NA	0.01 U	NA	0.02 U
Surface Water Transect Number 5									
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	NA	0.03	0.12	0.02 U
02-1073	AAB0106	filtered	26-Oct-94	WSF	Los Alamos Canyon	NA	0.04	0.13	0.02 U
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	NA	0.01 U	NA	0.02 U
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	NA	0.01 U	NA	0.02 U
02-1073	0402-95-0367	filtered	16-May-95	WSF	Los Alamos Canyon	NA	0.01 U	NA	0.02 U

Notes:

(a) WGS = Groundwater, spring

(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(c) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(d) n.s. = No standard. A numerical standard is not available.

(e) n.a. = Not available

(f) NA = Not analyzed

Explanation of data qualifier flags:

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Table LA-8
Los Alamos Canyon Surface Water Data for Water Quality Parameters

Location ID	Sample ID		Collection Date	Media Code [a]	Watershed	Perchlorate (mg/L)	Orthophosphate (mg/L)	Silica (mg/L)	Sulfate (mg/L)
NM Livestock Watering Standard [b]						n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard [c]						n.s.	n.s.	n.s.	n.s.
Basalt Spring									
n.a. [e]	CALA-98-1006	unfiltered	29-May-98	WGS	Los Alamos Canyon	NA	NA	NA	NA
LA Spring									
n.a.	CALA-98-1007	unfiltered	29-May-98	WGS	Los Alamos Canyon	NA	NA	NA	NA
Surface Water Transect Number 1									
41-1066	AAB0110	filtered	02-Aug-94	WSF	Los Alamos Canyon	NA	0.02	NA	7
41-1066	AAB0111	unfiltered	02-Aug-94	WSF	Los Alamos Canyon	NA	0.02	NA	7
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	NA	0.04	NA	6.8
41-1066	AAB8507	filtered	19-Oct-94	WSF	Los Alamos Canyon	NA	0.02 U	NA	6.8
41-1066	AAB8556	filtered	25-Jan-95	WSF	Los Alamos Canyon	NA		29.5	6.4
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	0.5 U	0.02 U	31.5	1
41-1066	0441-95-0023	filtered	10-May-95	WSF	Los Alamos Canyon	2.21	0.02 U	23.1	1 U
Surface Water Transect Number 2									
41-1067	AAB0119	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	NA	0.06	NA	7
41-1067	AAB0120	filtered	03-Aug-94	WSF	Los Alamos Canyon	NA	0.03	NA	7
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	NA	0.02 U	NA	6.5
41-1067	AAB8502	filtered	20-Oct-94	WSF	Los Alamos Canyon	NA	0.02 U	NA	6.5
41-1067	AAB8564	filtered	25-Jan-95	WSF	Los Alamos Canyon	NA	NA	31.9	6.81
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	0.561	0.02 U	23.1	1 U
41-1067	0441-95-0032	filtered	11-May-95	WSF	Los Alamos Canyon	0.588	0.02 U	22.1	5.98
Surface Water Transect Number 3									
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	NA	0.03	NA	7
02-1071	AAB0118	filtered	03-Aug-94	WSF	Los Alamos Canyon	NA	0.02	NA	7
02-1071	AAB0112	filtered	20-Oct-94	WSF	Los Alamos Canyon	NA	0.02 U	NA	6.6
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	NA	0.03	NA	6.6
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.668	0.04	21.9	1 U
02-1071	0402-95-0345	filtered	15-May-95	WSF	Los Alamos Canyon	0.708	0.02	22	1 U

Table LA-8
Los Alamos Canyon Surface Water Data for Water Quality Parameters

Location ID	Sample ID		Collection Date	Media Code [a]	Watershed	Perchlorate (mg/L)	Orthophosphate (mg/L)	Silica (mg/L)	Sulfate (mg/L)
NM Livestock Watering Standard [b]						n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard [c]						n.s.	n.s.	n.s.	n.s.
Surface Water Transect Number 4									
02-1072	AAB0108	filtered	24-Oct-94	WSF	Los Alamos Canyon	NA	0.084	NA	4.5
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	NA	0.03	NA	4.5
02-1072	AAB0116	filtered	24-Oct-94	WSF	Los Alamos Canyon	NA	0.02 U	NA	4.5
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	NA	0.03	NA	4.4
02-1072	AAB8456	filtered	16-Feb-95	WSF	Los Alamos Canyon	NA		28.2	7.9
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	0.809	0.02 U	23.1	1 U
02-1072	0402-95-0388	filtered	16-May-95	WSF	Los Alamos Canyon	0.591	0.06	23.1	1 U
Surface Water Transect Number 5									
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	NA	0.06	NA	6.7
02-1073	AAB0106	filtered	26-Oct-94	WSF	Los Alamos Canyon	NA	0.04	NA	6.8
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	0.5 U	0.02	25.2	1 U
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	1.02	0.05	25.2	1 U
02-1073	0402-95-0367	filtered	16-May-95	WSF	Los Alamos Canyon	0.635	0.02 U	23.1	1 U

Notes:

(a) WGS = Groundwater, spring

(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(c) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(d) n.s. = No standard. A numerical standard is not available.

(e) n.a. = Not available

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the detection limit.

Table LA-8
Los Alamos Canyon Surface Water Data for Water Quality Parameters

Location ID	Sample ID		Collection Date	Media Code [a]	Watershed	Conductivity (umhos)	Nitrogen-15/Nitrogen (mil)	Oxygen-18/Oxygen-16 (mil)	Field pH
NM Livestock Watering Standard [b]						n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard [c]						n.s.	n.s.	n.s.	n.s.
Basalt Spring									
n.a. [e]	CALA-98-1006	unfiltered	29-May-98	WGS	Los Alamos Canyon	NA	34.2	-10.6	n.a.[e]
LA Spring									
n.a.	CALA-98-1007	unfiltered	29-May-98	WGS	Los Alamos Canyon	NA	3	-10.8	n.a.
Surface Water Transect Number 1									
41-1066	AAB0110	filtered	02-Aug-94	WSF	Los Alamos Canyon	NA	NA	NA	7.8
41-1066	AAB0111	unfiltered	02-Aug-94	WSF	Los Alamos Canyon	NA	NA	NA	7.8
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	7.27
41-1066	AAB8507	filtered	19-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	7.27
41-1066	AAB8556	filtered	25-Jan-95	WSF	Los Alamos Canyon	NA	NA	NA	7.61
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	NA	NA	NA	NA
41-1066	0441-95-0023	filtered	10-May-95	WSF	Los Alamos Canyon	122	NA	NA	NA
Surface Water Transect Number 2									
41-1067	AAB0119	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	NA	NA	NA	7.53
41-1067	AAB0120	filtered	03-Aug-94	WSF	Los Alamos Canyon	NA	NA	NA	7.53
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	7.6
41-1067	AAB8502	filtered	20-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	7.6
41-1067	AAB8564	filtered	25-Jan-95	WSF	Los Alamos Canyon	NA	NA	NA	7.67
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	NA	NA	NA	7.15
41-1067	0441-95-0032	filtered	11-May-95	WSF	Los Alamos Canyon	NA	NA	NA	7.15
Surface Water Transect Number 3									
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	NA	NA	NA	7.78
02-1071	AAB0118	filtered	03-Aug-94	WSF	Los Alamos Canyon	NA	NA	NA	7.78
02-1071	AAB0112	filtered	20-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	7.7
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	7.7
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	NA	NA	NA	7.57
02-1071	0402-95-0345	filtered	15-May-95	WSF	Los Alamos Canyon	120	NA	NA	7.57

Table LA-8
Los Alamos Canyon Surface Water Data for Water Quality Parameters

Location ID	Sample ID		Collection Date	Media Code [a]	Watershed	Conductivity (umhos)	Nitrogen-15/Nitrogen (mil)	Oxygen-18/Oxygen-16 (mil)	Field pH
NM Livestock Watering Standard [b]						n.s.	n.s.	n.s.	n.s.
NM Wildlife Habitat Standard [c]						n.s.	n.s.	n.s.	n.s.
Surface Water Transect Number 4									
02-1072	AAB0108	filtered	24-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	7.9
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	7.9
02-1072	AAB0116	filtered	24-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	7.9
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	7.9
02-1072	AAB8456	filtered	16-Feb-95	WSF	Los Alamos Canyon	NA	NA	NA	
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	NA	NA	NA	7.79
02-1072	0402-95-0388	filtered	16-May-95	WSF	Los Alamos Canyon	NA	NA	NA	7.79
Surface Water Transect Number 5									
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	7.6
02-1073	AAB0106	filtered	26-Oct-94	WSF	Los Alamos Canyon	NA	NA	NA	7.6
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	NA	NA	NA	7.81
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	NA	NA	NA	7.81
02-1073	0402-95-0367	filtered	16-May-95	WSF	Los Alamos Canyon	NA	NA	NA	7.81

Notes:

(a) WGS = Groundwater, spring

(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(c) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(d) n.s. = No standard. A numerical standard is not available.

(e) n.a. = Not available

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table LA-8
Los Alamos Canyon Surface Water Data for Water Quality Parameters

Location ID	Sample ID		Collection Date	Media Code [a]	Watershed	Field Conductivity (umhos)	Field Temperature (C)	Field Dissolved Oxygen (mg/L)
NM Livestock Watering Standard [b]						n.s.	n.s.	n.s.
NM Wildlife Habitat Standard [c]						n.s.	n.s.	n.s.
Basalt Spring								
n.a. [e]	CALA-98-1006	unfiltered	29-May-98	WGS	Los Alamos Canyon	n.a.	n.a.	n.a.
LA Spring								
n.a.	CALA-98-1007	unfiltered	29-May-98	WGS	Los Alamos Canyon	n.a.	n.a.	n.a.
Surface Water Transect Number 1								
41-1066	AAB0110	filtered	02-Aug-94	WSF	Los Alamos Canyon	362	18.7	8.79
41-1066	AAB0111	unfiltered	02-Aug-94	WSF	Los Alamos Canyon	362	18.7	8.79
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	291	10.8	12.3
41-1066	AAB8507	filtered	19-Oct-94	WSF	Los Alamos Canyon	291	10.8	12.3
41-1066	AAB8556	filtered	25-Jan-95	WSF	Los Alamos Canyon	314	0	14
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	NA	NA	NA
41-1066	0441-95-0023	filtered	10-May-95	WSF	Los Alamos Canyon	NA	NA	NA
Surface Water Transect Number 2								
41-1067	AAB0119	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	234	17.7	8.91
41-1067	AAB0120	filtered	03-Aug-94	WSF	Los Alamos Canyon	234	17.7	8.91
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	307	7.8	9.35
41-1067	AAB8502	filtered	20-Oct-94	WSF	Los Alamos Canyon	307	7.8	9.35
41-1067	AAB8564	filtered	25-Jan-95	WSF	Los Alamos Canyon	369	0.7	11.92
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	160	9.4	12.81
41-1067	0441-95-0032	filtered	11-May-95	WSF	Los Alamos Canyon	160	9.4	12.81
Surface Water Transect Number 3								
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	336	23	7.99
02-1071	AAB0118	filtered	03-Aug-94	WSF	Los Alamos Canyon	336	23	7.99
02-1071	AAB0112	filtered	20-Oct-94	WSF	Los Alamos Canyon	296	11.1	8.7
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	296	11.1	8.7
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	152	10.2	14.4
02-1071	0402-95-0345	filtered	15-May-95	WSF	Los Alamos Canyon	152	10.2	14.4

Table LA-8
Los Alamos Canyon Surface Water Data for Water Quality Parameters

Location ID	Sample ID		Collection Date	Media Code [a]	Watershed	Field Conductivity (umhos)	Field Temperature (C)	Field Dissolved Oxygen (mg/L)
NM Livestock Watering Standard [b]						n.s.	n.s.	n.s.
NM Wildlife Habitat Standard [c]						n.s.	n.s.	n.s.
Surface Water Transect Number 4								
02-1072	AAB0108	filtered	24-Oct-94	WSF	Los Alamos Canyon	290	10.5	7.2
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	290	10.5	7.2
02-1072	AAB0116	filtered	24-Oct-94	WSF	Los Alamos Canyon	290	10.5	7.2
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	290	10.5	7.2
02-1072	AAB8456	filtered	16-Feb-95	WSF	Los Alamos Canyon			
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	133	15.4	6.84
02-1072	0402-95-0388	filtered	16-May-95	WSF	Los Alamos Canyon	133	15.4	6.84
Surface Water Transect Number 5								
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	300	8.3	10.5
02-1073	AAB0106	filtered	26-Oct-94	WSF	Los Alamos Canyon	300	8.3	10.5
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	150	15.4	NA
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	150	15.4	NA
02-1073	0402-95-0367	filtered	16-May-95	WSF	Los Alamos Canyon	150	15.4	NA

Notes:

(a) WGS = Groundwater, spring

(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(c) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(d) n.s. = No standard. A numerical standard is not available.

(e) n.a. = Not available

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the detection limit.

Table LA-8
Los Alamos Canyon Surface Water Data for Water Quality Parameters

Location ID	Sample ID		Collection Date	Media Code [a]	Watershed	Field Turbidity (NTU)	Field Alkalinity (mg/L)
NM Livestock Watering Standard [b]						n.s.	n.s.
NM Wildlife Habitat Standard [c]						n.s.	n.s.
Basalt Spring							
n.a. [e]	CALA-98-1006	unfiltered	29-May-98	WGS	Los Alamos Canyon	n.a.	n.a.
LA Spring							
n.a.	CALA-98-1007	unfiltered	29-May-98	WGS	Los Alamos Canyon	n.a.	n.a.
Surface Water Transect Number 1							
41-1066	AAB0110	filtered	02-Aug-94	WSF	Los Alamos Canyon	14	55.7
41-1066	AAB0111	unfiltered	02-Aug-94	WSF	Los Alamos Canyon	14	55.7
41-1066	AAB8493	unfiltered	19-Oct-94	WSF	Los Alamos Canyon	58	49
41-1066	AAB8507	filtered	19-Oct-94	WSF	Los Alamos Canyon	58	49
41-1066	AAB8556	filtered	25-Jan-95	WSF	Los Alamos Canyon	6.5	65.2
41-1066	0441-95-0022	unfiltered	10-May-95	WSF	Los Alamos Canyon	NA	NA
41-1066	0441-95-0023	filtered	10-May-95	WSF	Los Alamos Canyon	NA	NA
Surface Water Transect Number 2							
41-1067	AAB0119	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	54	60.8
41-1067	AAB0120	filtered	03-Aug-94	WSF	Los Alamos Canyon	54	60.8
41-1067	AAB8488	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	20.5	49
41-1067	AAB8502	filtered	20-Oct-94	WSF	Los Alamos Canyon	20.5	49
41-1067	AAB8564	filtered	25-Jan-95	WSF	Los Alamos Canyon	6.73	71.2
41-1067	0441-95-0031	unfiltered	11-May-95	WSF	Los Alamos Canyon	75	NA
41-1067	0441-95-0032	filtered	11-May-95	WSF	Los Alamos Canyon	75	NA
Surface Water Transect Number 3							
02-1071	AAB0117	unfiltered	03-Aug-94	WSF	Los Alamos Canyon	31	59.3
02-1071	AAB0118	filtered	03-Aug-94	WSF	Los Alamos Canyon	31	59.3
02-1071	AAB0112	filtered	20-Oct-94	WSF	Los Alamos Canyon	22.5	45
02-1071	AAB8486	unfiltered	20-Oct-94	WSF	Los Alamos Canyon	22.5	45
02-1071	0402-95-0344	unfiltered	15-May-95	WSF	Los Alamos Canyon	34	NA
02-1071	0402-95-0345	filtered	15-May-95	WSF	Los Alamos Canyon	34	NA

Table LA-8
Los Alamos Canyon Surface Water Data for Water Quality Parameters

Location ID	Sample ID		Collection Date	Media Code [a]	Watershed	Field Turbidity (NTU)	Field Alkalinity (mg/L)
NM Livestock Watering Standard [b]						n.s.	n.s.
NM Wildlife Habitat Standard [c]						n.s.	n.s.
Surface Water Transect Number 4							
02-1072	AAB0108	filtered	24-Oct-94	WSF	Los Alamos Canyon	NA	NA
02-1072	AAB0115	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	NA	NA
02-1072	AAB0116	filtered	24-Oct-94	WSF	Los Alamos Canyon	NA	NA
02-1072	AAB1354	unfiltered	24-Oct-94	WSF	Los Alamos Canyon	NA	NA
02-1072	AAB8456	filtered	16-Feb-95	WSF	Los Alamos Canyon		
02-1072	0402-95-0387	unfiltered	15-May-95	WSF	Los Alamos Canyon	15	NA
02-1072	0402-95-0388	filtered	16-May-95	WSF	Los Alamos Canyon	15	NA
Surface Water Transect Number 5							
02-1073	AAB0105	unfiltered	26-Oct-94	WSF	Los Alamos Canyon	14.7	67
02-1073	AAB0106	filtered	26-Oct-94	WSF	Los Alamos Canyon	14.7	67
02-1073	0402-95-0357	unfiltered	16-May-95	WSF	Los Alamos Canyon	19	NA
02-1073	0402-95-0366	unfiltered	16-May-95	WSF	Los Alamos Canyon	19	NA
02-1073	0402-95-0367	filtered	16-May-95	WSF	Los Alamos Canyon	19	NA

Notes:

(a) WGS = Groundwater, spring

(b) Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury.

(c) Based on total (i.e. unfiltered) recoverable selenium and total mercury.

(d) n.s. = No standard. A numerical standard is not available.

(e) n.a. = Not available

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Pueblo Canyon

Water Data Set

Table PU-1
Pueblo Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs)[e]	Aluminum (mg/L)	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)
NM Ground Water Standard [b]							5 mg/L	n.s [c]	0.1 mg/L	1 mg/L	n.s.
Pueblo Canyon Intermediate Well PO-4											
PU-0001	04PU-96-0101	unfiltered	13-Jun-96	WGI	Pueblo Canyon	54.14	10.9	0.0202 U	0.0086 J	0.141 J	0.001 J
PU-0001	04PU-96-0102	filtered	12-Jun-96	WGI	Pueblo Canyon	50.14	0.009 J	0.0202 U	0.005 J	0.0745 J	0.0001 U
PU-0001	04PU-97-0001	unfiltered	16-Apr-97	WGI	Pueblo Canyon	51.74	0.0859 J	0.05 U	0.0028 UJ	0.0852 J	0.004 U
PU-0001	04PU-97-0002	filtered	16-Apr-97	WGI	Pueblo Canyon	51.74	0.05 U	0.05 U	0.0027 UJ	0.0796 J	0.004 U
Pueblo Canyon Intermediate Well POI-4											
PU-0002	04PU-96-0105	unfiltered	7-Jun-96	WGI	Pueblo Canyon	156.52	0.0178 J	0.0037 J	0.0075 J	0.0895 J	0.0002 U
PU-0002	04PU-96-0106	filtered	7-Jun-96	WGI	Pueblo Canyon	156.52	0.0318 J	0.0027 U	0.007 J	0.0927 J	0.0002 U
PU-0002	04PU-97-0003	unfiltered	8-Apr-97	WGI	Pueblo Canyon	159.52	0.05 U	0.05 U	0.0026 J	0.0988 J	0.004 U
PU-0002	04PU-97-0004	filtered	8-Apr-97	WGI	Pueblo Canyon	159.52	0.05 U	0.05 U	0.0027 J	0.0984 J	0.004 U

Notes:

(a) WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s = No standard. A numerical standard is not available.

(d) NA = Not analyzed

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

Table PU-1
Pueblo Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Cadmium (mg/L)	Calcium (mg/L)	Chromium, Total (mg/L)	Cobalt (mg/L)	Copper (mg/L)
NM Ground Water Standard [b]							0.01 mg/L	n.s.	0.05 mg/L	0.05 mg/L	1 mg/L
Pueblo Canyon Intermediate Well PO-4											
PU-0001	04PU-96-0101	unfiltered	13-Jun-96	WGI	Pueblo Canyon	54.14	0.0076 J	20.5	0.0095 J	0.0133 J	0.0149 U
PU-0001	04PU-96-0102	filtered	12-Jun-96	WGI	Pueblo Canyon	50.14	0.0042 J	19.4	0.0022 U	0.0109 J	0.0094 U
PU-0001	04PU-97-0001	unfiltered	16-Apr-97	WGI	Pueblo Canyon	51.74	0.005 U	27.6	0.01 U	0.01 U	0.005 U
PU-0001	04PU-97-0002	filtered	16-Apr-97	WGI	Pueblo Canyon	51.74	0.005 U	27.5	0.01 U	0.01 U	0.005 U
Pueblo Canyon Intermediate Well POI-4											
PU-0002	04PU-96-0105	unfiltered	7-Jun-96	WGI	Pueblo Canyon	156.52	0.0003 U	44.3	0.0006 U	0.0018 J	0.0084 J
PU-0002	04PU-96-0106	filtered	7-Jun-96	WGI	Pueblo Canyon	156.52	0.0003 U	45.7	0.0006 U	0.0018 J	0.0026 J
PU-0002	04PU-97-0003	unfiltered	8-Apr-97	WGI	Pueblo Canyon	159.52	0.005 U	45.5	0.01 U	0.01 U	0.005 U
PU-0002	04PU-97-0004	filtered	8-Apr-97	WGI	Pueblo Canyon	159.52	0.005 U	45.3	0.01 U	0.01 U	0.0144 J

Notes:

(a) WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s = No standard. A numerical standard is not available.

(d) NA = Not analyzed

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

Table PU-1
Pueblo Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs)[e]	Iron (mg/L)	Lead (mg/L)	Lithium (mg/L)	Magnesium (mg/L)	Manganese (mg/L)
NM Ground Water Standard [b]							1 mg/L	0.05 mg/L	n.s.	n.s.	0.2 mg/L
Pueblo Canyon Intermediate Well PO-4											
PU-0001	04PU-96-0101	unfiltered	13-Jun-96	WGI	Pueblo Canyon	54.14	5.24 U	0.0055	0.0193 J	6.93	0.179
PU-0001	04PU-96-0102	filtered	12-Jun-96	WGI	Pueblo Canyon	50.14	0.0283 U	0.0022 U	0.0182 J	5.11 J	0.0176
PU-0001	04PU-97-0001	unfiltered	16-Apr-97	WGI	Pueblo Canyon	51.74	0.112	0.0015 U	NA [d]	6.74	0.0375
PU-0001	04PU-97-0002	filtered	16-Apr-97	WGI	Pueblo Canyon	51.74	0.0433 J	0.0015 U	NA	6.69	0.0232
Pueblo Canyon Intermediate Well POI-4											
PU-0002	04PU-96-0105	unfiltered	7-Jun-96	WGI	Pueblo Canyon	156.52	0.0147 U	0.0009 U	0.0104	11.3	0.0059 J
PU-0002	04PU-96-0106	filtered	7-Jun-96	WGI	Pueblo Canyon	156.52	0.0147 U	0.0009 U	0.0098 J	11.6	0.0067 J
PU-0002	04PU-97-0003	unfiltered	8-Apr-97	WGI	Pueblo Canyon	159.52	0.0155 J	0.0015 U	NA	11.6	0.0028 J
PU-0002	04PU-97-0004	filtered	8-Apr-97	WGI	Pueblo Canyon	159.52	0.0141 J	0.004	NA	11.6	0.0028 J

Notes:

(a) WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s = No standard. A numerical standard is not available.

(d) NA = Not analyzed

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

Table PU-1
Pueblo Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Potassium (mg/L)	Selenium (mg/L)
NM Ground Water Standard [b]							0.002 mg/L	1 mg/L	0.2 mg/L	n.s.	0.05 mg/L
Pueblo Canyon Intermediate Well PO-4											
PU-0001	04PU-96-0101	unfiltered	13-Jun-96	WGI	Pueblo Canyon	54.14	0.0002 J	0.0068 U	0.0166 J	8.96	0.0033 U
PU-0001	04PU-96-0102	filtered	12-Jun-96	WGI	Pueblo Canyon	50.14	0.0002 U	0.0068 U	0.0161 J	9.58	0.0033 U
PU-0001	04PU-97-0001	unfiltered	16-Apr-97	WGI	Pueblo Canyon	51.74	0.0001 U	NA	0.015 U	10.9	0.0025 U
PU-0001	04PU-97-0002	filtered	16-Apr-97	WGI	Pueblo Canyon	51.74	0.0001 U	NA	0.015 U	10.7	0.0025 U
Pueblo Canyon Intermediate Well POI-4											
PU-0002	04PU-96-0105	unfiltered	7-Jun-96	WGI	Pueblo Canyon	156.52	0.00005 U	0.0041 U	0.0072 J	7.71	0.0022 U
PU-0002	04PU-96-0106	filtered	7-Jun-96	WGI	Pueblo Canyon	156.52	0.00005 U	0.0041 U	0.007 J	7.79	0.0022 U
PU-0002	04PU-97-0003	unfiltered	8-Apr-97	WGI	Pueblo Canyon	159.52	0.0001 U	NA	0.015 U	8.05	0.0025 U
PU-0002	04PU-97-0004	filtered	8-Apr-97	WGI	Pueblo Canyon	159.52	0.0001 U	NA	0.015 U	8.14	0.0025 U

Notes:

(a) WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s = No standard. A numerical standard is not available.

(d) NA = Not analyzed

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

Table PU-1
Pueblo Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs)[e]	Silica (mg/L)	Silver (mg/L)	Sodium (mg/L)	Strontium (mg/L)	Thallium (mg/L)
NM Ground Water Standard [b]							n.s.	0.05 mg/L	n.s.	n.s.	n.s.
Pueblo Canyon Intermediate Well PO-4											
PU-0001	04PU-96-0101	unfiltered	13-Jun-96	WGI	Pueblo Canyon	54.14	NA	0.0007 U	73	0.131	0.0044 U
PU-0001	04PU-96-0102	filtered	12-Jun-96	WGI	Pueblo Canyon	50.14	NA	0.0007 U	71.1	0.117	0.0044 U
PU-0001	04PU-97-0001	unfiltered	16-Apr-97	WGI	Pueblo Canyon	51.74	NA	0.005 U	79.7	NA	0.002 U
PU-0001	04PU-97-0002	filtered	16-Apr-97	WGI	Pueblo Canyon	51.74	NA	0.005 U	79.4	NA	0.002 U
Pueblo Canyon Intermediate Well POI-4											
PU-0002	04PU-96-0105	unfiltered	7-Jun-96	WGI	Pueblo Canyon	156.52	NA	0.001 U	35.7	NA	0.0028 U
PU-0002	04PU-96-0106	filtered	7-Jun-96	WGI	Pueblo Canyon	156.52	23.6	0.001 U	35.8	NA	0.0028 U
PU-0002	04PU-97-0003	unfiltered	8-Apr-97	WGI	Pueblo Canyon	159.52	NA	0.005 U	35.1	NA	0.002 U
PU-0002	04PU-97-0004	filtered	8-Apr-97	WGI	Pueblo Canyon	159.52	NA	0.005 U	34.9	NA	0.002 U

Notes:

(a) WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s = No standard. A numerical standard is not available.

(d) NA = Not analyzed

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

Table PU-1
Pueblo Canyon Groundwater Data for Inorganic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Titanium (mg/L)	Uranium (mg/L)	Vanadium (mg/L)	Zinc (mg/L)
NM Ground Water Standard [b]							n.s.	5 mg/L	n.s.	10 mg/L
Pueblo Canyon Intermediate Well PO-4										
PU-0001	04PU-96-0101	unfiltered	13-Jun-96	WGI	Pueblo Canyon	54.14	NA	0.002 J	0.0108 J	0.0804
PU-0001	04PU-96-0102	filtered	12-Jun-96	WGI	Pueblo Canyon	50.14	NA	0.0015 J	0.0053 J	0.0321
PU-0001	04PU-97-0001	unfiltered	16-Apr-97	WGI	Pueblo Canyon	51.74	0.01 U	0.0013	0.01 U	0.033
PU-0001	04PU-97-0002	filtered	16-Apr-97	WGI	Pueblo Canyon	51.74	0.01 U	0.0013	0.01 U	0.022
Pueblo Canyon Intermediate Well POI-4										
PU-0002	04PU-96-0105	unfiltered	7-Jun-96	WGI	Pueblo Canyon	156.52	0.0022 U	0.003	0.0032 J	0.0088 J
PU-0002	04PU-96-0106	filtered	7-Jun-96	WGI	Pueblo Canyon	156.52	0.0026 J	0.0027	0.0034 J	0.0156 J
PU-0002	04PU-97-0003	unfiltered	8-Apr-97	WGI	Pueblo Canyon	159.52	0.01 U	0.0034	0.01 U	0.012 J
PU-0002	04PU-97-0004	filtered	8-Apr-97	WGI	Pueblo Canyon	159.52	0.01 U	0.0033	0.01 U	0.0178 J

Notes:

(a) WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s = No standard. A numerical standard is not available.

(d) NA = Not analyzed

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

UJ = The compound was analyzed for but was not detected.
The associated numerical value is the estimated detection limit.

J = The reported value is an estimated quantity.

Table PU-2
Pueblo Canyon Groundwater Data for Detected Organic Chemicals

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [c]	Bis(2-ethylhexyl)phthalate (mg/L)
NM Ground Water Standard [b]							
Los Alamos Canyon Intermediate Well PO-4							
PU-0001	04PU-96-0101	Unfiltered	13-Jun-96	WGI	Pueblo Canyon	54.14	0.002 J
Los Alamos Canyon Intermediate Well POI-4							
PU-0002	04PU-96-0105	Unfiltered	07-Jun-96	WGI	Pueblo Canyon	156.52	0.032 U

Notes:

(a) WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. Filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) bgs = below ground surface, water levels sometimes reported as depth to water or actual sample depth.

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

J = The reported value is an estimated quantity.

Table PU-3
Pueblo Canyon Groundwater Data for Radiocnuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Americium-241 (pCi/L)			Gross Alpha Radiation (pCi/L)		
NM Ground Water Standard [b]							n.s. [c]			n.s.		
Pueblo Canyon Intermediate Well PO-4												
PU-0001	04PU-96-0102	filtered	12-Jun-96	WGI	Pueblo Canyon	50.14	0.027	(0.01) [f]	U	2.04	(1.14)	U
PU-0001	04PU-96-0103	unfiltered	12-Jun-96	WGI	Pueblo Canyon	50.14	NA [d]			NA		
PU-0001	04PU-96-0101	unfiltered	13-Jun-96	WGI	Pueblo Canyon	54.14	0.044	(0.02)	U	3.62	(1.31)	U
PU-0001	04PU-97-0001	unfiltered	16-Apr-97	WGI	Pueblo Canyon	51.74	0.3	(0.09)		2.15	(0.73)	U
PU-0001	04PU-97-0002	filtered	16-Apr-97	WGI	Pueblo Canyon	51.74	0.2	(0.08)	U	2.42	(0.62)	
Pueblo Canyon Intermediate Well POI-4												
PU-0002	04PU-96-0105	unfiltered	07-Jun-96	WGI	Pueblo Canyon	156.52	0.026	(0.02)	U	7.89	(1.84)	
PU-0002	04PU-96-0106	filtered	07-Jun-96	WGI	Pueblo Canyon	156.52	0.023	(0.01)	U	8.96	(1.91)	
PU-0002	04PU-97-0003	unfiltered	08-Apr-97	WGI	Pueblo Canyon	159.52	0.12	(0.06)	U	4.5	(0.55)	
PU-0002	04PU-97-0004	filtered	08-Apr-97	WGI	Pueblo Canyon	159.52	0.14	(0.09)	U	6.32	(0.69)	

Notes:

(a) WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. Filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) NA = Not analyzed

(e) bgs = below ground surface, water levels reported as depth to water or actual sample

(f) 1 Sigma uncertainty

(g) NUR = No uncertainty reported

(h) Tritium samples are unfiltered in all cases

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

UJ- = The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit, with a low bias.

Table PU-3
Pueblo Canyon Groundwater Data for Radiocnuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Gross Beta Radiation (pCi/L)		Plutonium-238 (pCi/L)			Plutonium-239 (pCi/L)		
NM Ground Water Standard [b]							n.s.		n.s.			n.s.		
Pueblo Canyon Intermediate Well PO-4														
PU-0001	04PU-96-0102	filtered	12-Jun-96	WGI	Pueblo Canyon	50.14	10.22	(1.09)	0.003	(0.01)	U	0.114	(0.025)	
PU-0001	04PU-96-0103	unfiltered	12-Jun-96	WGI	Pueblo Canyon	50.14	NA		NA			NA		
PU-0001	04PU-96-0101	unfiltered	13-Jun-96	WGI	Pueblo Canyon	54.14	8.9	(1.07)	0.004	(0.01)	U	0.133	(0.03)	
PU-0001	04PU-97-0001	unfiltered	16-Apr-97	WGI	Pueblo Canyon	51.74	12.93	(1.17)	0	NUR [g]	U	0.09	(0.05)	U
PU-0001	04PU-97-0002	filtered	16-Apr-97	WGI	Pueblo Canyon	51.74	16.61	(0.92)	0.02	(0.02)	U	0.05	(0.03)	U
Pueblo Canyon Intermediate Well POI-4														
PU-0002	04PU-96-0105	unfiltered	07-Jun-96	WGI	Pueblo Canyon	156.52	9.62	(1.10)	0.001	(0.01)	U	0.004	(0.01)	U
PU-0002	04PU-96-0106	filtered	07-Jun-96	WGI	Pueblo Canyon	156.52	8.21	(1.09)	-0.002	(0.01)	U	0.005	(0.01)	U
PU-0002	04PU-97-0003	unfiltered	08-Apr-97	WGI	Pueblo Canyon	159.52	10.6	(0.67)	0	NUR	U	0.06	(0.05)	U
PU-0002	04PU-97-0004	filtered	08-Apr-97	WGI	Pueblo Canyon	159.52	12.95	(0.74)	0	NUR	U	0.05	(0.03)	U

Notes:

(a) WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. Filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) NA = Not analyzed

(e) bgs = below ground surface, water levels reported as depth to water or actual sample

(f) 1 Sigma uncertainty

(g) NUR = No uncertainty reported

(h) Tritium samples are unfiltered in all cases

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

UJ- = The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit, with a low bias.

Table PU-3
Pueblo Canyon Groundwater Data for Radiocnuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Thorium-230 (pCi/L)			Tritium [h] (pCi/L)			Uranium-234 (pCi/L)	
NM Ground Water Standard [b]							n.s.			n.s.			n.s.	
Pueblo Canyon Intermediate Well PO-4														
PU-0001	04PU-96-0102	filtered	12-Jun-96	WGI	Pueblo Canyon	50.14	0.16	(0.04)		390	(75)		0.949	(0.14)
PU-0001	04PU-96-0103	unfiltered	12-Jun-96	WGI	Pueblo Canyon	50.14	NA			19	(2)		NA	
PU-0001	04PU-96-0101	unfiltered	13-Jun-96	WGI	Pueblo Canyon	54.14	0.131	(0.04)		220	(75)	U	0.91	(0.10)
PU-0001	04PU-97-0001	unfiltered	16-Apr-97	WGI	Pueblo Canyon	51.74	NA			79	(5)		0.83	(0.18)
PU-0001	04PU-97-0002	filtered	16-Apr-97	WGI	Pueblo Canyon	51.74	NA			79.8	(76)	U	0.72	(0.15)
Pueblo Canyon Intermediate Well POI-4														
PU-0002	04PU-96-0105	unfiltered	07-Jun-96	WGI	Pueblo Canyon	156.52	0.065	(0.03)	U	49	(4)		1.387	(0.11)
PU-0002	04PU-96-0106	filtered	07-Jun-96	WGI	Pueblo Canyon	156.52	0.184	(0.05)		NA			1.281	(0.10)
PU-0002	04PU-97-0003	unfiltered	08-Apr-97	WGI	Pueblo Canyon	159.52	NA			5.9	(0.4)		2.49	(0.35)
PU-0002	04PU-97-0004	filtered	08-Apr-97	WGI	Pueblo Canyon	159.52	NA			-31.51	(162.08)	U	2.15	(0.28)

Notes:

(a) WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. Filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) NA = Not analyzed

(e) bgs = below ground surface, water levels reported as depth to water or actual sample

(f) 1 Sigma uncertainty

(g) NUR = No uncertainty reported

(h) Tritium samples are unfiltered in all cases

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

UJ- = The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit, with a low bias.

Table PU-3
Pueblo Canyon Groundwater Data for Radiocnuclides

Location ID	Sample ID	Field Preparation	Collection Date	Media Code[a]	Watershed	Water Level (ft-bgs) [e]	Uranium-235 (pCi/L)		Uranium-238 (pCi/L)	
NM Ground Water Standard [b]							n.s.		n.s.	
Pueblo Canyon Intermediate Well PO-4										
PU-0001	04PU-96-0102	filtered	12-Jun-96	WGI	Pueblo Canyon	50.14	0.044	(0.03) UJ-	0.574	(0.11)
PU-0001	04PU-96-0103	unfiltered	12-Jun-96	WGI	Pueblo Canyon	50.14	NA		NA	
PU-0001	04PU-96-0101	unfiltered	13-Jun-96	WGI	Pueblo Canyon	54.14	0.044	(0.02) UJ-	0.654	(0.07)
PU-0001	04PU-97-0001	unfiltered	16-Apr-97	WGI	Pueblo Canyon	51.74	-1.34	(3.58) U	0.51	(0.13)
PU-0001	04PU-97-0002	filtered	16-Apr-97	WGI	Pueblo Canyon	51.74	2.82	(4.41) U	0.72	(0.15)
Pueblo Canyon Intermediate Well POI-4										
PU-0002	04PU-96-0105	unfiltered	07-Jun-96	WGI	Pueblo Canyon	156.52	0.068	(0.02) U	0.947	(0.09)
PU-0002	04PU-96-0106	filtered	07-Jun-96	WGI	Pueblo Canyon	156.52	288	NUR U	0.966	(0.08)
PU-0002	04PU-97-0003	unfiltered	08-Apr-97	WGI	Pueblo Canyon	159.52	-0.06	(3.88) U	1.54	(0.25)
PU-0002	04PU-97-0004	filtered	08-Apr-97	WGI	Pueblo Canyon	159.52	1.44	(4.39) U	1.57	(0.23)

Notes:

(a) WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. Filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s. = No standard. A numerical standard is not available.

(d) NA = Not analyzed

(e) bgs = below ground surface, water levels reported as depth to water or actual sample

(f) 1 Sigma uncertainty

(g) NUR = No uncertainty reported

(h) Tritium samples are unfiltered in all cases

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected. The associated numerical value is the quantitation limit.

UJ- = The compound was analyzed for but was not detected. The associated numerical value is the estimated detection limit, with a low bias.

Table PU-4
Pueblo Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Boron (mg/L)	Bromide (mg/L)	Dissolved Organic Carbon (mg/L)	Cyanide (mg/L)
NM Ground Water Standard [b]							0.75 mg/L	n.s. [c]	n.s.	0.2 mg/L
Pueblo Canyon Intermediate Well PO-4										
PU-0001	04PU-96-0101	unfiltered	13-Jun-96	WGI	Pueblo Canyon	54.14	0.269	0.208	NA [f]	0.0063
PU-0001	04PU-96-0102	filtered	12-Jun-96	WGI	Pueblo Canyon	50.14	0.246	0.243	3.9	0.0147
PU-0001	04PU-97-0001	unfiltered	16-Apr-97	WGI	Pueblo Canyon	51.74	0.286	0.50 U	NA	0.01 U
PU-0001	04PU-97-0002	filtered	16-Apr-97	WGI	Pueblo Canyon	51.74	0.278	0.50 U	5.4	0.01 U
Pueblo Canyon Intermediate Well POI-4										
PU-0002	04PU-96-0105	unfiltered	07-Jun-96	WGI	Pueblo Canyon	156.52	0.186	0.20	NA	0.0038 U
PU-0002	04PU-96-0106	filtered	07-Jun-96	WGI	Pueblo Canyon	156.52	0.175	0.19	1.3	0.0038 U
PU-0002	04PU-97-0003	unfiltered	08-Apr-97	WGI	Pueblo Canyon	159.52	0.188	0.50 U	NA	0.01 U
PU-0002	04PU-97-0004	filtered	08-Apr-97	WGI	Pueblo Canyon	159.52	0.191	0.50 U	1	0.01 U

Notes:

(a) WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table PU-4
Pueblo Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Fluoride (mg/L)	Humic Substances, Hydrophilic Acids (mg/L)	Humic Substances, Hydrophilic Bases (mg/L)	Humic Substances, Hydrophilic Neutrals (mg/L)
NM Ground Water Standard [b]							1.6mg/L	n.s.	n.s.	n.s.
Pueblo Canyon Intermediate Well PO-4										
PU-0001	04PU-96-0101	unfiltered	13-Jun-96	WGI	Pueblo Canyon	54.14	1.05	NA	NA	NA
PU-0001	04PU-96-0102	filtered	12-Jun-96	WGI	Pueblo Canyon	50.14	0.936	0.1	0.1	1.8
PU-0001	04PU-97-0001	unfiltered	16-Apr-97	WGI	Pueblo Canyon	51.74	0.819	NA	NA	NA
PU-0001	04PU-97-0002	filtered	16-Apr-97	WGI	Pueblo Canyon	51.74	0.815	2.5	0.3	0.1
Pueblo Canyon Intermediate Well POI-4										
PU-0002	04PU-96-0105	unfiltered	07-Jun-96	WGI	Pueblo Canyon	156.52	0.34	NA	NA	NA
PU-0002	04PU-96-0106	filtered	07-Jun-96	WGI	Pueblo Canyon	156.52	0.274	0.5	0	0.3
PU-0002	04PU-97-0003	unfiltered	08-Apr-97	WGI	Pueblo Canyon	159.52	0.574	NA	NA	NA
PU-0002	04PU-97-0004	filtered	08-Apr-97	WGI	Pueblo Canyon	159.52	0.568	0.4	0	0

Notes:

(a) WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table PU-4
Pueblo Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Humic Substances, Hydrophilic Total (mg/L)	Humic Substances, Hydrophobic Acids (mg/L)	Humic Substances, Hydrophobic Bases (mg/L)	Humic Substances, Hydrophobic Neutrals (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.	n.s.
Pueblo Canyon Intermediate Well PO-4										
PU-0001	04PU-96-0101	unfiltered	13-Jun-96	WGI	Pueblo Canyon	54.14	NA	NA	NA	NA
PU-0001	04PU-96-0102	filtered	12-Jun-96	WGI	Pueblo Canyon	50.14	2	0.6	0	1.3
PU-0001	04PU-97-0001	unfiltered	16-Apr-97	WGI	Pueblo Canyon	51.74	NA	NA	NA	NA
PU-0001	04PU-97-0002	filtered	16-Apr-97	WGI	Pueblo Canyon	51.74	2.9	2.1	0	0.4
Pueblo Canyon Intermediate Well POI-4										
PU-0002	04PU-96-0105	unfiltered	07-Jun-96	WGI	Pueblo Canyon	156.52	NA	NA	NA	NA
PU-0002	04PU-96-0106	filtered	07-Jun-96	WGI	Pueblo Canyon	156.52	0.8	0.1	0	0.4
PU-0002	04PU-97-0003	unfiltered	08-Apr-97	WGI	Pueblo Canyon	159.52	NA	NA	NA	NA
PU-0002	04PU-97-0004	filtered	08-Apr-97	WGI	Pueblo Canyon	159.52	0.4	0.2	0	0.4

Notes:
(a) WGI = Groundwater, intermediate
(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.
(c) n.s = No standard. A numerical standard is not available.
(d) n.a. = Not available
(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.
(f) NA = Not analyzed

Explanation of data qualifier flags:
U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table PU-4
Pueblo Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Humic Substances, Hydrophobic Neutrals mg/L	Ammonia as N (mg/L)	Nitrate + Nitrite as N (mg/L)	Silica (mg/L)	Sulfate (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.	n.s.	600 mg/L
Pueblo Canyon Intermediate Well PO-4											
PU-0001	04PU-96-0101	unfiltered	13-Jun-96	WGI	Pueblo Canyon	54.14	NA	0.0741	NA	46.6	4.5
PU-0001	04PU-96-0102	filtered	12-Jun-96	WGI	Pueblo Canyon	50.14	1.9	0.0748	NA	43.6	4.54
PU-0001	04PU-97-0001	unfiltered	16-Apr-97	WGI	Pueblo Canyon	51.74	NA	NA	NA	NA	20.5
PU-0001	04PU-97-0002	filtered	16-Apr-97	WGI	Pueblo Canyon	51.74	2.5	NA	NA	NA	20.5
Pueblo Canyon Intermediate Well POI-4											
PU-0002	04PU-96-0105	unfiltered	07-Jun-96	WGI	Pueblo Canyon	156.52	NA	0.03 U	3.4	23.9	20.9
PU-0002	04PU-96-0106	filtered	07-Jun-96	WGI	Pueblo Canyon	156.52	0.5	0.03 U	3.6	NA	20.8
PU-0002	04PU-97-0003	unfiltered	08-Apr-97	WGI	Pueblo Canyon	159.52	NA	NA	NA	NA	20.8
PU-0002	04PU-97-0004	filtered	08-Apr-97	WGI	Pueblo Canyon	159.52	0.6	NA	NA	58.6	20.8

Notes:

(a) WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table PU-4
Pueblo Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Conductivity (umhos)	Field pH	Field Conductivity (umhos)	Field Temperature (C)	Field Dissolved Oxygen (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.	n.s.	n.s.	n.s.
Pueblo Canyon Intermediate Well PO-4											
PU-0001	04PU-96-0101	unfiltered	13-Jun-96	WGI	Pueblo Canyon	54.14	NA	7.84	418	13.6	12.74
PU-0001	04PU-96-0102	filtered	12-Jun-96	WGI	Pueblo Canyon	50.14	446	7.84	418	13.6	12.74
PU-0001	04PU-97-0001	unfiltered	16-Apr-97	WGI	Pueblo Canyon	51.74	NA	7.03	451	14.1	13.45
PU-0001	04PU-97-0002	filtered	16-Apr-97	WGI	Pueblo Canyon	51.74	563	7.03	451	14.1	13.45
Pueblo Canyon Intermediate Well POI-4											
PU-0002	04PU-96-0105	unfiltered	07-Jun-96	WGI	Pueblo Canyon	156.52	NA	n.a. [d]	n.a.	n.a.	n.a.
PU-0002	04PU-96-0106	filtered	07-Jun-96	WGI	Pueblo Canyon	156.52	445	n.a.	n.a.	n.a.	n.a.
PU-0002	04PU-97-0003	unfiltered	08-Apr-97	WGI	Pueblo Canyon	159.52	NA	7.97	427	12.4	13.7
PU-0002	04PU-97-0004	filtered	08-Apr-97	WGI	Pueblo Canyon	159.52	475	7.97	427	12.4	13.7

Notes:

(a) WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Table PU-4
Pueblo Canyon Groundwater Data for Water Quality Parameters

Location ID	Sample ID	Field Preparation	Collection Date	Media Code [a]	Watershed	Water Level (ft-bgs) [e]	Field Turbidity (NTU)	Field Alkalinity (mg/L)
NM Ground Water Standard [b]							n.s.	n.s.
Pueblo Canyon Intermediate Well PO-4								
PU-0001	04PU-96-0101	unfiltered	13-Jun-96	WGI	Pueblo Canyon	54.14	NA	NA
PU-0001	04PU-96-0102	filtered	12-Jun-96	WGI	Pueblo Canyon	50.14	NA	NA
PU-0001	04PU-97-0001	unfiltered	16-Apr-97	WGI	Pueblo Canyon	51.74	4	NA
PU-0001	04PU-97-0002	filtered	16-Apr-97	WGI	Pueblo Canyon	51.74	4	NA
Pueblo Canyon Intermediate Well POI-4								
PU-0002	04PU-96-0105	unfiltered	07-Jun-96	WGI	Pueblo Canyon	156.52	n.a.	n.a.
PU-0002	04PU-96-0106	filtered	07-Jun-96	WGI	Pueblo Canyon	156.52	n.a.	n.a.
PU-0002	04PU-97-0003	unfiltered	08-Apr-97	WGI	Pueblo Canyon	159.52	1	NA
PU-0002	04PU-97-0004	filtered	08-Apr-97	WGI	Pueblo Canyon	159.52	1	NA

Notes:

(a) WGI = Groundwater, intermediate

(b) Standards apply to ground water with an existing concentration of 10,000 mg/L or less total dissolved solids. Based on the dissolved (i.e. filtered) portion of water samples with the exception of mercury and organic chemicals.

(c) n.s = No standard. A numerical standard is not available.

(d) n.a. = Not available

(e) bgs = below ground surface, water levels reported as depth to water or actual sample depth.

(f) NA = Not analyzed

Explanation of data qualifier flags:

U = The compound was analyzed for but was not detected.
The associated numerical value is the detection limit.

Attachment I

Analytical Methods

TABLE 1

Los Alamos Canyon/Pueblo Canyon/DP Canyon Water Data Set Analytical Methods

Analytical Suite	Method	Method Description
Organic Analytes		
Volatile organic compounds	SW-846 Method 8260	Gas Chromatography Mass Spectrometry
Semivolatile organic compounds	SW-846 Method 8270	Gas Chromatography Mass Spectrometry
Polychlorinatedbiphenyls (PCBs)	SW-846 Method 8081	Gas Chromatography Electron Capture detector
Pesticides (organochlorine)	SW-846 Method 8081	Gas Chromatography Electron Capture detector
Inorganic Analytes		
Target analyte list (TAL) metals	SW-846 Methods 3005/3010/6010	Inductively Coupled Plasma Emission Spectroscopy or Graphite Furnace Atomic Absorption or Inductively Coupled Plasma Mass Spectrometry
Mercury	SW-846 Method 7470	Cold Vapor Atomic Absorption
Cyanide	EPA 335.2 or SW-846 9010 or 9012	Colorimetric
Molybdenum, Titanium, Boron, Lithium Uranium	SW-846 Methods 6010	Inductively Coupled Plasma Emission Spectroscopy
Radionuclides		
Gamma-emitting isotopes	Varies with laboratory	Gamma spectroscopy
Uranium-234, Uranium-235, Uranium-238	Varies with laboratory	Alpha spectroscopy
Plutonium-238, Plutonium-239/240	Varies with laboratory	Alpha spectroscopy
Tritium	Varies with laboratory	Liquid Scintillation
Tritium (low level)	Varies with laboratory	Electrolyte Enrichment/Gas Proportional Counting
Strontium-90	Varies with laboratory	Gas Proportional Counting
Americium-241	Varies with laboratory	Alpha spectroscopy
Technicium-99	Varies with laboratory	Proportional Counting or Inductively Coupled Plasma Mass Spectrometry
Thorium-230, Thorium-232	Varies with laboratory	Alpha spectroscopy
Gross alpha, gross beta	Varies with laboratory	Gas Proportional Counter or liquid scintillation counting
Gross gamma	Varies with laboratory	Thallium-doped Sodium Iodide detector
Water Quality Parameters		
Alkalinity	EPA 310.1	Titrimetric to pH 4.5
Anions	Various	Ion Chromatography
Nitrate/Nitrite	EPA 353.2	Colorimetric, automated cadmium reduction
Nitrate	EPA Method 300.0, 353.2, EPA Method SW-846-9056	Ion Chromatography or Colorimetric, automated cadmium reduction
Nitrite	EPA Method 300.0, 353.2, EPA Method SW-846-9056	Ion Chromatography or Colorimetric, automated cadmium reduction
Ammonium	EPA Method350.1, Standard Methods 4500-NH3	Colorimetric, automated cadmium reduction
Phosphate	SW-846 9056 or EPA Method 300.0	Ion Chromatography

Analytical Suite	Method	Method Description
Sulfate	SW-846 9056 or EPA Method 300.0	Ion Chromatography
Dissolved Organic Carbon (DOC)	Modified EPA Method 415	High Temperature Coulometry
Humic Acid	Modified EPA Method 415	High Temperature Coulometry
Carbon-14, Carbon-13		Accelerator Mass Spectrometry
Conductivity	EPA Method 9050	Conductance
Deuterium/hydrogen		Accelerator Mass Spectrometry
Oxygen-18/Oxygen-16		Mass Spectrometry
Hardness (expressed as CaCO3)	EPA Method 130	Colorimetric
Silica	EPA Method 370.1	Colorimetric
Total Dissolved Solids	EPA Method 160	Gravimertic
Total Suspended Solids	EPA Method 160	Gravimertic
Turbidity	EPA Method 180	Direct Measurement

Attachment II

Maps

Los Alamos Canyon/Pueblo Canyon/DP Canyon Location Id Reference Table

Location Id	Description	Comments
02-1021	LAO-0.8	Los Alamos Alluvial Observation Well, Upper Los Alamos Canyon
02-1022	LAO-0.91	Los Alamos Alluvial Observation Well, Upper Los Alamos Canyon
02-1071	TRANSECT 3	Upper Los Alamos Canyon Surface Water Sampling Point
02-1072	TRANSECT 4	Upper Los Alamos Canyon Surface Water Sampling Point
02-1073	TRANSECT 5	Upper Los Alamos Canyon Surface Water Sampling Point
02-1076	LAO-1	Los Alamos Alluvial Observation Well, Upper Los Alamos Canyon (ESH-18 well)
02-1077	LAO-R1	Los Alamos Alluvial Observation Well, Upper Los Alamos Canyon (ESH-18 well)
02-1078	LAOI-1.1	Los Alamos Intermediate Observation Well, Upper Los Alamos Canyon (Guaje Pumice Bed)
21-1682	LADP-3	Intermediate Observation Well, Los Alamos Canyon (Guaje Pumice Bed)
21-1811	LAUZ-1	DP Canyon Alluvial Observation Well, Upper DP Canyon
21-1812	LAUZ-2	DP Canyon Alluvial Observation Well, Upper DP Canyon
21-1854	DP SPRING	DP Canyon
41-1001	LAO-0.3(R)	Los Alamos Alluvial Observation Well, Upper Los Alamos Canyon, Abandoned
41-1002	LAO-0.6	Los Alamos Alluvial Observation Well, Upper Los Alamos Canyon
41-1003	LAO-0.3	Los Alamos Alluvial Observation Well, Upper Los Alamos Canyon
41-1004	LAO-C	Los Alamos Alluvial Observation Well, Upper Los Alamos Canyon (ESH-18 well)
41-1045	LAO-B	Los Alamos Alluvial Observation Well, Upper Los Alamos Canyon
41-1066	TRANSECT 1	Upper Los Alamos Canyon Surface Water Sampling Point
41-1067	TRANSECT 2	Upper Los Alamos Canyon Surface Water Sampling Point
LA-0001	LAO-1.6(g)	Los Alamos Alluvial Observation Well, Middle Los Alamos Canyon
LA-0002	LLAO-5	Los Alamos Alluvial Observation Well, Lower Los Alamos Canyon
LA-0045	LLAO-2	Los Alamos Alluvial Observation Well, Lower Los Alamos Canyon
LA-0046	LLAO-4	Los Alamos Alluvial Observation Well, Lower Los Alamos Canyon
NA	BASALT SPRING	Lower Los Alamos Canyon
NA	LOS ALAMOS SPRING	Lower Los Alamos Canyon
PU-0001	PO-4	Pueblo Canyon Observation Well (abandoned, Puye Formation)
PU-0002	POI-4	Pueblo Canyon Intermediate Observation Well (Basalt)

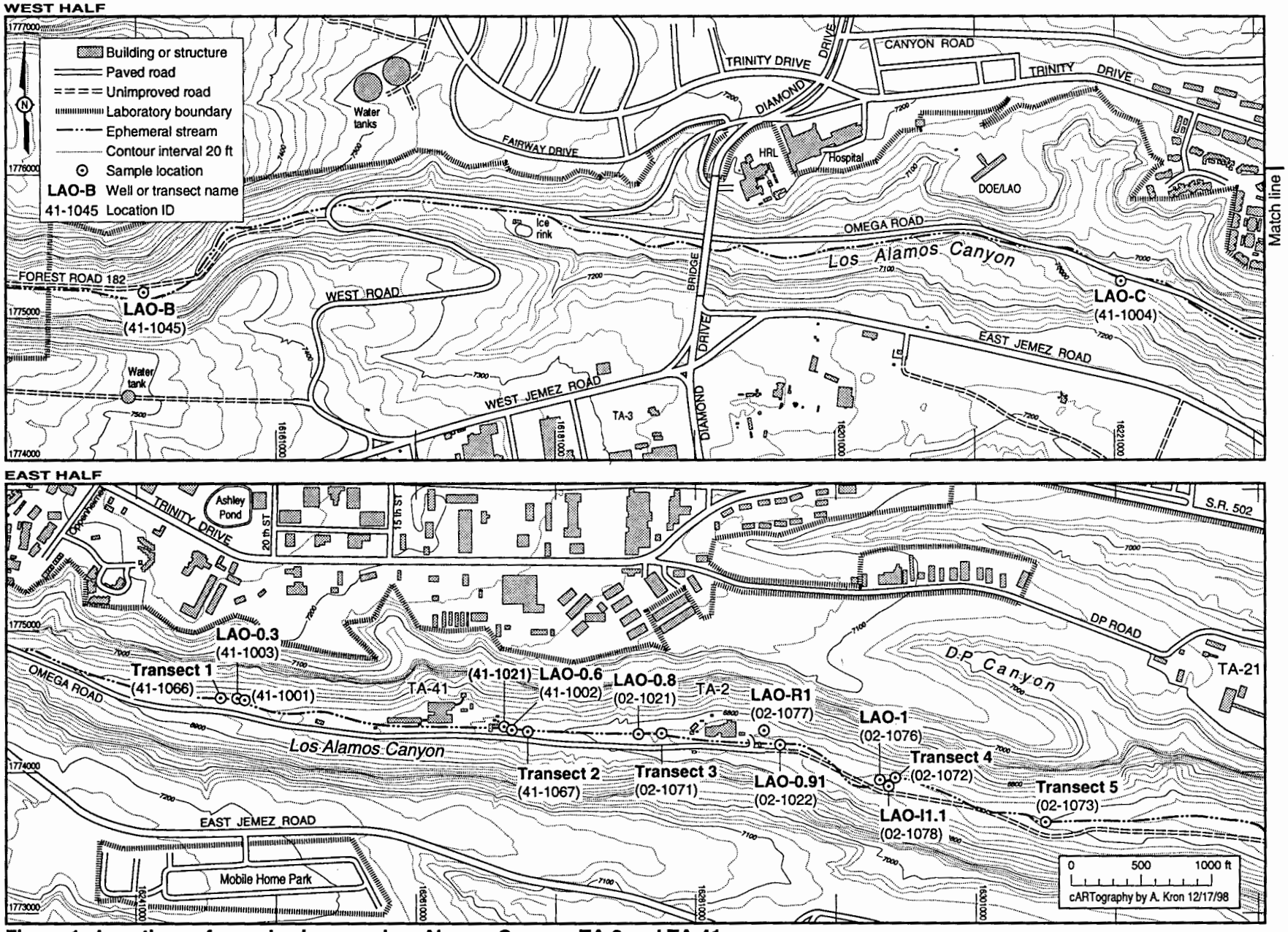

Figure 1. Locations of samples in upper Los Alamos Canyon, TA-2 and TA-41.

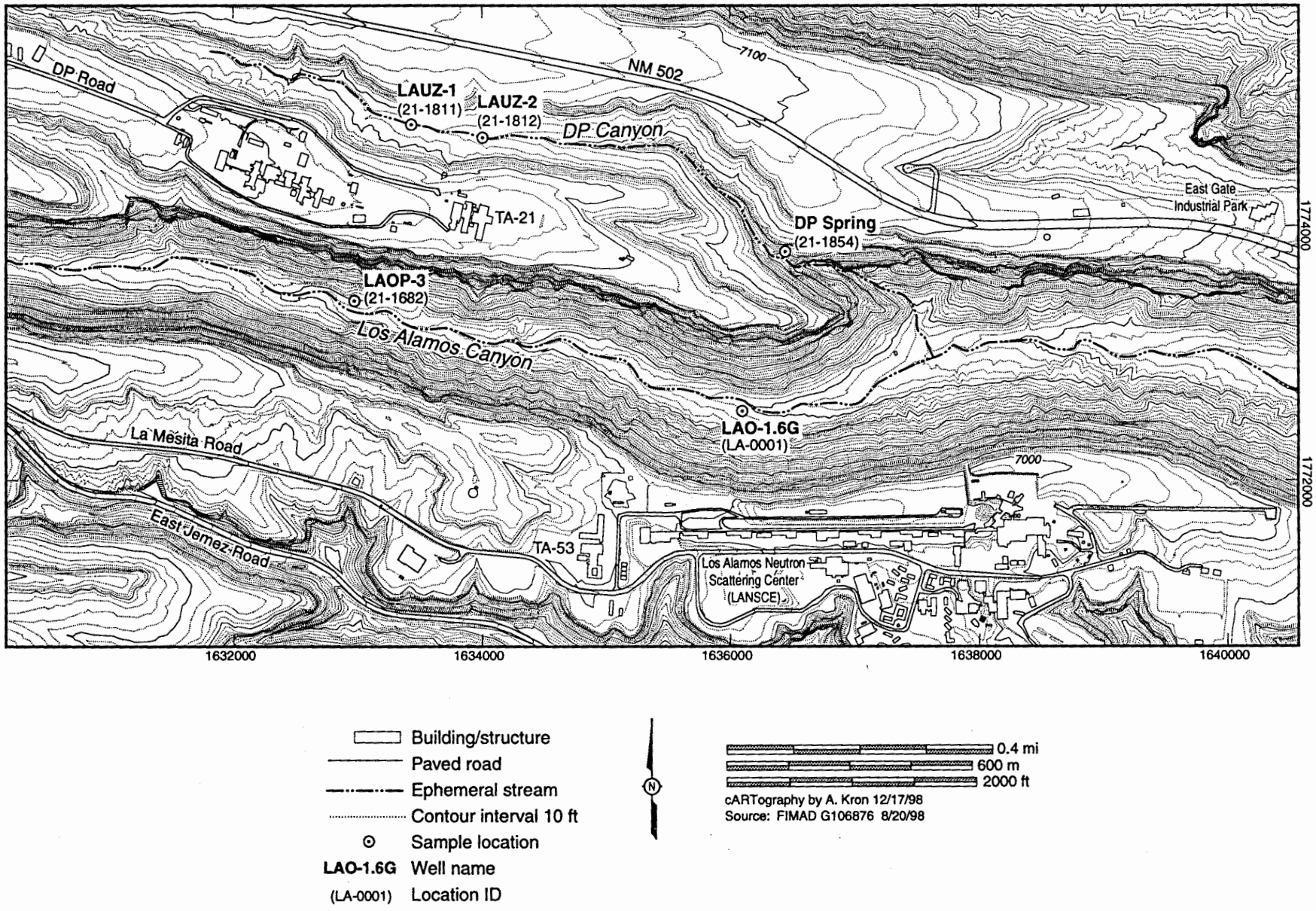

Figure 2. Locations of samples in middle Los Alamos Canyon and DP Canyon.

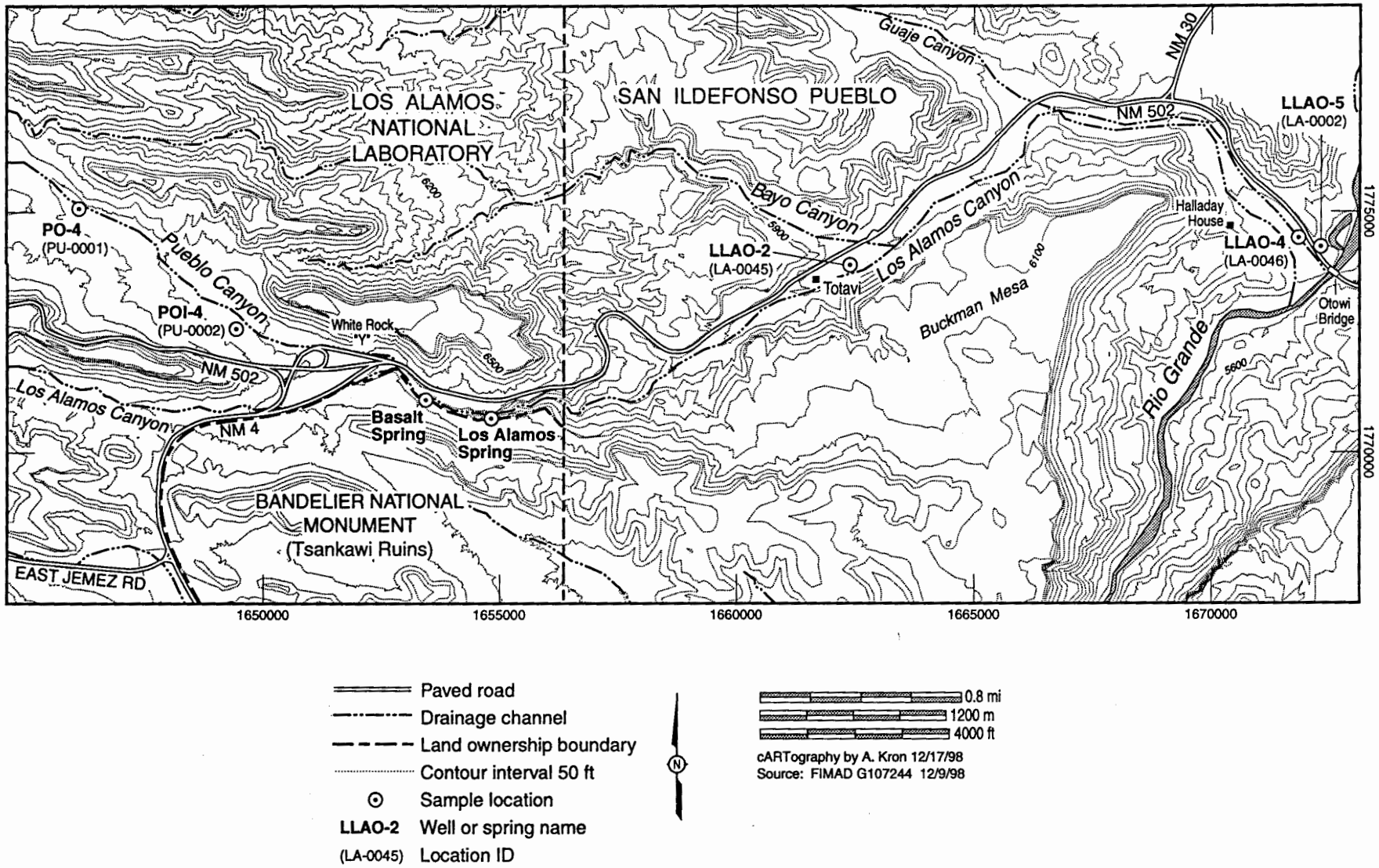

Figure 3. Locations of samples in lower Los Alamos Canyon and Pueblo Canyon.