

APPENDIX C

CONTAMINANT DATA SETS SUPPORTING ECOLOGICAL AND HUMAN HEALTH CONSEQUENCE ANALYSIS

Appendix C consists of nine statistical data tables constructed from databases maintained as part of LANL's Environmental Surveillance Program and Environmental Restoration (ER) Project. The tables include columns for: (1) the number of times for which the analyte was detected; (2) the number of times the analyte was sampled; (3) units; (4) the minimum, maximum, and arithmetic mean values; and (5) the 95 percent confidence limit (mean, plus two standard deviations). Only analytes that were detected at least once during the sampling period (1990 to 1996) are shown. Mean values and values for the 95 percent confidence interval are reported in exponential notation and rounded to two significant figures.

The NPDES table, Table C-1, consists of 1994 to 1996 data tabulated by the Water Quality and Hydrology Group (ESH-18) from laboratory inorganic trace analysis (CST-9) reports. The data are arranged by watershed.

Surface water and sediment tables, Tables C-2 through C-5, consist of environmental surveillance and compliance program data from the years 1991 through 1996, found in the LANL Environmental Surveillance Reports (e.g., *Environmental Surveillance at Los Alamos During 1995*, LANL 1996b). The data are arranged by location (on site, perimeter, and regional) and by watershed.

Groundwater tables, Tables C-6 and C-7, also consist of LANL environmental surveillance compliance program data from 1991 through 1996, found in the LANL Environmental Surveillance and Reports. The data are arranged by groundwater regime (alluvial, intermediate,

and main) and by watershed (for alluvial and intermediate only).

Soils tables, Tables C-8 and C-9, consist of ER Project data. The data are arranged by both analyte and by watershed. Tables C-8 and C-9 in the Draft SWEIS contained incorrect data and these two tables have been completely reconstructed to eliminate these errors. These errors were a result of including data collected in the early phases of the ER Project that had not undergone quality assurance screening. These data contained known laboratory analytical errors, contained errors in unit conversions, and contained errors from samples contaminated either during sample collection or in the chemical laboratory during analysis. The problem occurred during data extraction because these samples with known problems were not screened. The corrected tables only use those data from the ER Project that have undergone quality assurance screening and are known to be error free.

Tables were constructed by first summing the total number of analyses for each analyte and reporting the number in the "Analyzed" column of each table. For radioactivity measurements, all zero and negative results were removed from the data set, and the remaining results were summed for each analyte and reported in the "Detected" column. Thus, for radionuclides, many results below the detection limit determined by the analytical laboratory are represented in the table as "Detects." For constituents other than radioactivity measurements, all non-detect results were removed from the data set, and the remaining results were summed for each analyte and reported in the "Detected" column. These

detected results were used to calculate the minimum, mean, maximum, and 95 percent confidence limit. The detected results were not compared to either the detection limit for the analytical laboratory or the associated counting uncertainty for radionuclides. Thus, for radiochemical analyses of groundwater, surface water, and sediment, the detected results do not agree with LANL's Environmental Surveillance Program's definition of "detects" as results that are (1) greater than the detection limit and (2) equal to or greater than 4.66 times the counting uncertainty.

Because only positive "detects" were averaged, not the total number of samples analyzed, the number of "detects" is thus higher than reported

in the LANL Environmental Surveillance Reports, and the mean and 95 percent upper confidence limits appearing in the Appendix C tables are artificially high. When used elsewhere in the SWEIS, such as in the analyses of human health impacts, these values thus (intentionally) result in conservative estimates of the consequences of LANL operations.

Data from Tables C-1 through C-7 were used in the study of the ingestion pathway in the human health analysis (section D.3.3 of appendix D). Data from Tables C-8 and C-9 are not used in the SWEIS but provided for additional information.

TABLE C-1.—NPDES Detection Statistics by Watershed (NPDES Data 1994 to 1996)

WATERSHED	ANALYTE ^a	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Ancho	Boron (T)	mg/l	3	3	0.02	2.3E-02	0.03	3.5E-02
	Cadmium (T)	mg/l	2	3	0.0001	2.0E-04	0.0003	4.8E-04
	Chromium (T)	mg/l	2	3	0.005	5.5E-03	0.006	6.9E-03
	Copper (T)	mg/l	2	3	0.012	2.1E-02	0.029	4.5E-02
	Lead (T)	mg/l	2	3	0.003	3.0E-03	0.003	3.0E-03
	Radium-226, Radium-228	pCi/l	3	3	0.386	6.5E+00	18.503	2.7E+01
	Tritium	pCi/l	1	3	400	4.0E+02	400	
	Vanadium (T)	mg/l	3	3	0.009	1.0E-02	0.012	1.3E-02
	Zinc (T)	mg/l	2	3	0.04	6.0E-02	0.08	1.2E-01
	Cañada del Buey							
Cañada del Buey	Aluminum (T)	mg/l	2	2	0.097	9.9E-02	0.1	1.0E-01
	Arsenic (T)	mg/l	1	1	0.0034	3.4E-03	0.0034	
	Boron (T)	mg/l	2	2	0.06	6.1E-02	0.061	6.2E-02
	Cadmium (T)	mg/l	1	2	0.0001	1.0E-04	0.0001	
	Chromium (T)	mg/l	2	2	0.015	2.1E-02	0.027	3.8E-02
	Radium-226, Radium-228	pCi/l	2	2	0.269	1.5E+00	2.695	4.9E+00
	Selenium (T)	mg/l	1	2	0.0022	2.2E-03	0.0022	
	Tritium	pCi/l	1	2	1000	1.0E+03	1000	
	Vanadium (T)	mg/l	2	2	0.009	1.5E-02	0.021	3.2E-02
	Zinc (T)	mg/l	1	2	0.026	2.6E-02	0.026	

TABLE C-1.—NPDES Detection Statistics by Watershed (NPDES Data 1994 to 1996).Continued

WATERSHED	ANALYTE ^a	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Guaje	Aluminum (T)	mg/l	4	6	0.1	2.4E-01	0.4	5.1E-01
	Arsenic (T)	mg/l	4	6	0.003	1.1E-02	0.027	3.3E-02
	Boron (T)	mg/l	6	6	0.02	4.8E-02	0.065	8.1E-02
	Cadmium (T)	mg/l	1	6	0.002	2.0E-03	0.002	
	Chromium (T)	mg/l	1	6	0.016	1.6E-02	0.016	
	Cobalt (T)	mg/l	2	6	0.005	6.5E-03	0.008	1.1E-02
	Copper (T)	mg/l	3	6	0.032	1.0E-01	0.23	3.2E-01
	Lead (T)	mg/l	1	6	0.045	4.5E-02	0.045	
	Radium-226,	pCi/l	6	6	0.386	2.0E+00	5.469	6.3E+00
	Radium-228							
Los Alamos	Tritium	pCi/l	3	6	6	3.0E+02	700	1.0E+03
	Vanadium (T)	mg/l	6	6	0.014	2.7E-02	0.058	6.1E-02
	Zinc (T)	mg/l	6	6	0.02	1.6E-01	0.52	5.7E-01
	Aluminum (T)	mg/l	5	21	0.1	1.0E-01	0.1	1.0E-01
	Arsenic (T)	mg/l	11	13	0.002	1.3E-02	0.072	5.3E-02
	Boron (T)	mg/l	21	21	0.01	6.7E-02	0.15	1.4E-01
	Cadmium (T)	mg/l	2	21	0.0001	1.0E-04	0.0001	1.0E-04
	Chromium (T)	mg/l	17	20	0.004	9.5E-03	0.022	2.0E-02
	Cobalt (T)	mg/l	2	21	0.003	4.0E-03	0.005	6.8E-03
	Copper (T)	mg/l	15	20	0.004	5.8E-02	0.59	3.5E-01
	Lead (T)	mg/l	3	21	0.003	1.5E-02	0.04	5.8E-02
	Radium-226,	pCi/l	21	21	0.02	1.1E+00	7.968	4.6E+00
	Radium-228							
	Selenium (T)	mg/l	7	21	0.001	1.9E-03	0.002	2.6E-03
	Tritium	pCi/l	11	21	100	3.2E+02	700	7.1E+02
	Vanadium (T)	mg/l	21	21	0.01	2.6E-02	0.06	5.0E-02
	Zinc (T)	mg/l	19	21	0.02	8.6E-02	0.3	2.2E-01

TABLE C-1.—NPDES Detection Statistics by Watershed (NPDES Data 1994 to 1996)-Continued

WATERSHED	ANALYTE ^a	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Mortandad	Aluminum (T)	mg/l	8	19	0.06	1.6E-01	0.3	3.4E-01
	Arsenic (T)	mg/l	10	14	0.002	3.5E-03	0.0052	5.9E-03
	Boron (T)	mg/l	19	19	0.02	6.9E-02	0.23	1.8E-01
	Cadmium (T)	mg/l	5	18	0.0002	4.9E-03	0.0023	2.5E-02
	Chromium (T)	mg/l	15	18	0.005	1.4E-02	0.063	4.5E-02
	Cobalt (T)	mg/l	2	19	0.006	1.7E-02	0.028	4.8E-02
	Copper (T)	mg/l	12	18	0.004	7.6E-02	0.54	3.8E-01
	Lead (T)	mg/l	3	18	0.002	6.3E-03	0.011	1.5E-02
	Mercury (T)	mg/l	1	18	0.0006	6.0E-04	0.0006	
	Radium-226, Radium-228	pCi/l	18	18	0.02	3.2E+00	11.9	1.1E+01
	Selenium (T)	mg/l	2	19	0.0028	4.6E-03	0.0063	9.5E-03
	Tritium	pCi/l	14	19	82	1.2E+04	134143	8.4E+04
	Vanadium (T)	mg/l	16	19	0.003	1.6E-02	0.037	3.6E-02
	Zinc (T)	mg/l	15	18	0.02	1.5E-01	1.2	7.5E-01
Pajarito	Aluminum (T)	mg/l	8	22	0.1	3.5E-01	1	1.0E+00
	Arsenic (T)	mg/l	10	22	0.0016	3.0E-03	0.009	7.6E-03
	Boron (T)	mg/l	23	23	0.02	1.5E-01	2.5	1.2E+00
	Cadmium (T)	mg/l	9	23	0.0001	1.0E-03	0.003	3.3E-03
	Chromium (T)	mg/l	16	23	0.004	1.2E-02	0.07	4.4E-02
	Cobalt (T)	mg/l	6	23	0.0005	3.8E-03	0.005	7.3E-03
	Copper (T)	mg/l	13	23	0.004	2.5E-02	0.15	1.0E-01
	Lead (T)	mg/l	6	23	0.002	6.5E-03	0.014	1.5E-02
	Mercury (T)	mg/l	3	23	0.00035	3.8E-04	0.0004	4.4E-04

TABLE C-1.—NPDES Detection Statistics by Watershed (NPDES Data 1994 to 1996).Continued

WATERSHED	ANALYTE ^a	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Pajarito (cont.)	Radium-226, Radium-228	pCi/l	23	23	0.026	1.7E+00	8.198	7.2E+00
	Selenium (T)	mg/l	3	23	0.001	1.3E-03	0.002	2.5E-03
	Tritium	pCi/l	11	23	162	6.0E+02	2900	2.2E+03
	Vanadium (T)	mg/l	23	23	0.005	1.2E-02	0.037	2.7E-02
	Zinc (T)	mg/l	21	23	0.02	6.2E-02	0.19	1.6E-01
	Aluminum (T)	mg/l	6	17	0.1	3.0E-01	0.8	8.4E-01
	Arsenic (T)	mg/l	10	14	0.003	6.2E-03	0.026	2.0E-02
	Boron (T)	mg/l	17	17	0.03	6.9E-02	0.18	1.4E-01
	Cadmium (T)	mg/l	3	17	0.0001	1.7E-04	0.0003	4.0E-04
	Chromium (T)	mg/l	12	17	0.004	1.9E-02	0.06	5.5E-02
Sandia	Cobalt (T)	mg/l	6	17	0.003	6.5E-03	0.01	1.2E-02
	Copper (T)	mg/l	11	17	0.004	1.3E-02	0.034	3.3E-02
	Lead (T)	mg/l	3	17	0.004	1.0E-02	0.023	3.2E-02
	Mercury (T)	mg/l	1	17	0.0017	1.7E-03	0.0017	
	Radium-226, Radium-228	pCi/l	17	17	0.202	1.4E+00	6.457	4.5E+00
	Selenium (T)	mg/l	3	17	0.00145	2.3E-03	0.0034	4.3E-03
	Tritium	pCi/l	9	17	100	2.8E+02	700	6.9E+02
	Vanadium (T)	mg/l	16	16	0.007	1.7E-02	0.036	3.6E-02
	Zinc (T)	mg/l	17	17	0.016	5.9E-02	0.16	1.5E-01
	Water	Aluminum (T)	mg/l	7	27	0.1	2.9E-01	1.2
	Arsenic (T)	mg/l	14	26	0.002	4.0E-03	0.018	1.2E-02
	Boron (T)	mg/l	27	27	0.018	6.8E-02	0.45	2.4E-01
	Cadmium (T)	mg/l	4	27	0.0002	1.1E-03	0.002	3.2E-03
	Chromium (T)	mg/l	14	26	0.004	6.6E-03	0.017	1.4E-02
	Cobalt (T)	mg/l	5	27	0.004	5.0E-03	0.008	8.5E-03
	Copper (T)	mg/l	13	26	0.004	3.2E-02	0.31	2.0E-01

TABLE C-1.—NPDES Detection Statistics by Watershed (NPDES Data 1994 to 1996)-Continued

WATERSHED	ANALYTE ^a	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Water (cont.)	Lead (T)	mg/l	6	27	0.0002	2.5E-03	0.004	5.1E-03
	Mercury (T)	mg/l	1	27	0.0003	3.0E-04	0.0003	
	Radium-226, Radium-228	pCi/l	27	27	0.0598	7.9E-01	3.414	2.8E+00
	Selenium (T)	mg/l	2	27	0.001	1.5E-03	0.002	2.9E-03
	Tritium	pCi/l	15	27	100	3.9E+02	1900	1.4E+03
	Vanadium (T)	mg/l	24	27	0.004	1.8E-02	0.12	6.4E-02
	Zinc (T)	mg/l	25	27	0.02	5.5E-02	0.15	1.3E-01

^a(T) signifies that the total amount of the analyte in the sample was measured, that is, both the dissolved amount and the amount adsorbed to suspended particles.

^bmg/l is milligrams of analyte per liter of sample; pCi/l is picocuries of radioactive analyte per liter of sample.

^cUpper confidence limit (UCL) not calculated for number of detected analyses less than two.

**TABLE C-2.—Surface Water Detection Statistics by Location and Analyte
(Environmental Surveillance Report Data 1991 to 1996)**

LOCATION ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
On Site	Acetone	µg/l	4	15	1.5E+01	3.2E+01	4.9E+01	6.1E+01
	Aluminum	µg/l	58	63	5.0E+01	4.2E+03	6.4E+04	2.4E+04
	Americium-241	pCi/l	46	52	6.0E-04	2.5E-01	2.2E+00	1.2E+00
	Antimony	µg/l	14	62	3.0E-01	8.9E-01	3.0E+00	2.5E+00
	Arsenic	µg/l	39	60	2.0E+00	5.0E+00	1.3E+01	1.0E+01
	Barium	µg/l	54	54	7.3E+00	1.1E+02	8.1E+02	4.7E+02
	Benzoic acid	µg/l	1	11	1.1E+01	1.1E+01	1.1E+01	
	Beryllium	µg/l	11	63	5.0E-01	1.3E+01	1.2E+02	8.4E+01
	Bicarbonate	mg/l	58	60	1.2E+01	9.6E+01	2.3E+02	1.8E+02
	Bis(2-ethylhexyl) phthalate	µg/l	2	11	8.0E+00	1.1E+01	1.4E+01	1.9E+01
	Boron	µg/l	60	63	1.1E+01	8.0E+01	4.0E+02	2.5E+02
	Bromine	µg/l	1	3	1.1E+02	1.1E+02	1.1E+02	
	Cadmium	µg/l	8	60	3.0E-01	2.1E+01	1.5E+02	1.3E+02
	Calcium	mg/l	63	63	7.3E+00	2.4E+01	1.9E+02	7.0E+01
	Carbonate	mg/l	12	60	2.0E+00	1.2E+01	2.8E+01	2.9E+01
	Cesium-137	pCi/l	64	93	1.1E-01	2.2E+01	3.3E+02	1.4E+02
	Chlorine	mg/l	60	60	2.0E+00	3.3E+01	1.1E+02	8.5E+01
	Chromium	µg/l	38	63	1.0E+00	3.3E+01	7.6E+02	2.8E+02
	Cobalt	µg/l	14	57	4.0E+00	2.8E+01	1.6E+02	1.1E+02
	Copper	µg/l	37	63	4.0E+00	3.7E+01	7.5E+02	2.8E+02
	Cyanide	mg/l	13	48	1.0E-02	2.6E-02	1.1E-01	7.9E-02
	Di-n-butyl phthalate	µg/l	4	11	2.0E+00	6.3E+00	1.4E+01	1.8E+01
	Di-n-octyl phthalate	µg/l	1	11	8.0E+00	8.0E+00	8.0E+00	

**TABLE C-2.—Surface Water Detection Statistics by Location and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

LOCATION ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
On Site (cont.)	Fluorine	mg/l	58	60	1.0E-01	7.0E-01	2.5E+00	1.8E+00
	Gross Alpha	pCi/l	60	88	2.0E-01	7.6E+00	2.1E+02	6.4E+01
	Gross Beta	pCi/l	88	88	1.0E+00	2.7E+01	3.5E+02	1.3E+02
	Gross Gamma	pCi/l	52	86	1.0E+01	1.3E+02	6.0E+02	4.1E+02
	Hardness	mg/l	63	63	2.2E+01	7.8E+01	6.1E+02	2.3E+02
	HMX (Octogen)	µg/l	1	5	4.9E+00	4.9E+00	4.9E+00	4.9E+00
	Iron	µg/l	62	63	2.0E+01	3.1E+03	6.0E+04	2.0E+04
	Lead	µg/l	42	68	2.0E-01	7.4E+00	4.5E+01	2.8E+01
	Lithium	mg/l	11	13	4.0E-03	2.6E-02	5.9E-02	6.4E-02
	Magnesium	mg/l	63	63	1.3E+00	4.6E+00	3.3E+01	1.3E+01
	Manganese	µg/l	57	63	1.0E+00	1.6E+02	2.1E+03	8.2E+02
	Mercury	µg/l	16	62	1.0E-01	2.8E-01	1.0E+00	7.4E-01
	Molybdenum	µg/l	41	62	1.0E+00	2.5E+02	1.2E+03	8.6E+02
	Nickel	µg/l	12	63	2.0E+00	1.4E+02	7.9E+02	6.8E+02
	Nitrate, as Nitrogen	mg/l	50	63	3.0E-02	3.7E+00	2.0E+01	1.4E+01
	Nitrite, as Nitrogen	mg/l	1	3	4.6E-01	4.6E-01	4.6E-01	
	pH		60	60	3.6E+00		9.3E+00	
	Phosphate	mg/l	1	3	1.7E+00	1.7E+00	1.7E+00	
	Phosphate, as Phosphorous	mg/l	46	57	3.0E-02	1.8E+00	1.6E+01	7.4E+00
	Plutonium-238	pCi/l	116	176	1.0E-03	1.0E-01	4.7E+00	1.1E+00
	Plutonium-239, Plutonium-240	pCi/l	149	178	1.0E-03	7.3E-01	5.2E+01	1.0E+01
	Potassium	mg/l	58	58	1.2E+00	7.4E+00	4.3E+01	2.0E+01
	RDX (Cyclonite)	µg/l	1	6	7.6E-01	7.6E-01	7.6E-01	

**TABLE C-2.—Surface Water Detection Statistics by Location and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

LOCATION ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
On Site (cont.)								
Selenium	$\mu\text{g/l}$	12	63	1.0E+00	6.3E+01	6.7E+02	4.5E+02	
Silica	mg/l	66	67	1.5E+01	6.1E+01	1.7E+02	1.2E+02	
Silver	$\mu\text{g/l}$	20	63	5.0E-01	4.8E+01	6.9E+02	3.5E+02	
Sodium	mg/l	63	63	5.0E+00	4.8E+01	1.8E+02	1.2E+02	
Strontium	$\mu\text{g/l}$	63	63	4.7E+01	1.2E+02	9.1E+02	3.9E+02	
Strontium-90	pCi/l	44	51	6.0E-02	2.7E+01	7.0E+02	2.4E+02	
Sulfate	mg/l	60	60	2.0E+00	2.9E+01	1.1E+02	9.3E+01	
Thallium	$\mu\text{g/l}$	11	63	1.7E-01	8.4E-01	6.0E+00	4.3E+00	
Tin	$\mu\text{g/l}$	14	58	1.0E+01	5.6E+01	2.4E+02	1.9E+02	
Total Dissolved Solids	mg/l	60	60	9.0E+01	3.5E+02	1.8E+03	8.4E+02	
Total Suspended Solids	mg/l	50	54	1.2E+00	7.3E+02	1.5E+04	5.3E+03	
Tritium	nCi/l	71	96	1.0E-04	1.2E+00	1.8E+01	7.7E+00	
Uranium	$\mu\text{g/l}$	63	79	6.0E-02	8.0E-01	9.5E+00	3.4E+00	
Vanadium	$\mu\text{g/l}$	44	63	1.0E+00	2.1E+01	9.0E+01	6.0E+01	
Zinc	$\mu\text{g/l}$	50	62	5.0E+00	7.3E+01	4.2E+02	2.2E+02	
Perimeter								
Acetone	$\mu\text{g/l}$	4	12	2.3E+01	2.6E+01	3.2E+01	3.4E+01	
Aluminum	$\mu\text{g/l}$	38	47	1.0E+01	9.5E+02	3.3E+03	2.8E+03	
Americium-241	pCi/l	24	32	7.0E-03	5.4E-02	1.7E-01	1.5E-01	
Antimony	$\mu\text{g/l}$	6	47	2.0E-01	4.8E-01	1.2E+00	1.2E+00	
Arsenic	$\mu\text{g/l}$	22	46	2.0E+00	3.5E+00	7.8E+00	6.8E+00	
Barium	$\mu\text{g/l}$	39	40	6.8E+00	1.8E+02	5.2E+03	1.8E+03	
Beryllium	$\mu\text{g/l}$	9	47	5.0E-01	1.4E+02	1.2E+03	9.4E+02	
Bicarbonate	mg/l	47	48	2.4E+01	6.3E+01	1.5E+02	1.2E+02	

**TABLE C-2.—Surface Water Detection Statistics by Location and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

LOCATION ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Perimeter (cont.)	Bis(2-ethylhexyl) phthalate	µg/l	1	8	2.0E+00	2.0E+00	2.0E+00	2.0E+00
Boron	µg/l	29	47	1.0E+01	2.5E+02	4.2E+03	1.8E+03	
Cadmium	µg/l	10	47	2.0E-01	1.2E+02	1.0E+03	7.4E+02	
Calcium	mg/l	46	48	6.0E+00	3.2E+01	8.1E+02	2.7E+02	
Carbonate	mg/l	3	48	4.0E+00	8.3E+00	1.2E+01	1.6E+01	
Cesium-137	pCi/l	39	57	2.0E-02	3.0E+01	3.2E+02	1.6E+02	
Chlorine	mg/l	47	48	9.2E-01	2.7E+01	2.1E+02	1.1E+02	
Chromium	µg/l	21	47	2.0E+00	2.7E+02	5.0E+03	2.4E+03	
Cobalt	µg/l	5	42	3.0E+00	2.1E+02	8.5E+02	9.4E+02	
Copper	µg/l	22	48	2.0E+00	1.1E+03	1.7E+04	8.7E+03	
Cyanide	mg/l	6	36	1.0E-02	1.3E-02	2.0E-02	2.4E-02	
Di-n-butyl phthalate	µg/l	1	8	4.0E+00	4.0E+00	4.0E+00		
Dinitrotoluene [2,4-]	µg/l	1	10	3.4E+00	3.4E+00	3.4E+00		
Fluorine	mg/l	44	48	6.0E-02	3.4E-01	1.1E+00	8.5E-01	
Gross Alpha	pCi/l	35	51	5.0E-02	1.9E+00	2.5E+01	1.0E+01	
Gross Beta	pCi/l	49	51	1.0E+00	9.3E+00	1.4E+02	4.9E+01	
Gross Gamma	pCi/l	36	54	1.0E+01	1.6E+02	9.0E+02	5.6E+02	
Hardness	mg/l	47	49	1.0E+01	5.0E+01	1.1E+02	1.0E+02	
Iron	µg/l	43	47	2.0E+01	6.1E+02	2.2E+03	1.8E+03	
Lead	µg/l	21	48	5.0E-01	4.6E+00	5.5E+01	2.8E+01	
Lithium	mg/l	8	9	1.0E-02	2.0E-02	3.0E-02	3.7E-02	
Magnesium	mg/l	46	48	1.2E+00	3.6E+00	8.8E+00	7.1E+00	
Manganese	µg/l	40	47	2.0E+00	1.7E+02	5.4E+03	1.9E+03	

**TABLE C-2.—Surface Water Detection Statistics by Location and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

LOCATION ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Perimeter (cont.)								
Mercury	µg/l	5	46	1.0E-01	2.2E-01	4.0E-01	5.5E-01	
Methylene chloride	µg/l	1	12	2.0E+01	2.0E+01	2.0E+01		
Molybdenum	µg/l	12	45	1.0E+00	1.0E+02	1.0E+03	6.7E+02	
Nickel	µg/l	6	47	1.0E+01	9.9E+02	5.5E+03	5.4E+03	
Nitrate, as Nitrogen	mg/l	37	52	4.5E-03	1.9E+00	1.7E+01	8.6E+00	
pH		48	48	1.7E+00		8.6E+00		
Phosphate	mg/l	1	3	1.1E-01	1.1E-01	1.1E-01		
Phosphate, as Phosphorous	mg/l	31	45	2.0E-02	1.4E+00	9.0E+00	6.5E+00	
Plutonium-238	pCi/l	64	103	1.0E-03	2.3E-02	2.3E-01	9.8E-02	
Plutonium-239, Plutonium-240	pCi/l	87	103	3.0E-03	5.8E-01	1.2E+01	4.6E+00	
Potassium	mg/l	41	46	5.7E-01	5.0E+00	1.7E+01	1.5E+01	
Selenium	µg/l	6	46	2.0E+00	4.7E+00	7.0E+00	9.2E+00	
Silica	mg/l	51	51	1.7E+01	5.3E+01	9.9E+01	9.7E+01	
Silver	µg/l	9	47	4.0E-01	5.9E+01	3.7E+02	3.0E+02	
Sodium	mg/l	46	48	3.0E+00	2.9E+01	8.5E+01	8.5E+01	
Strontium	µg/l	46	47	3.8E+01	2.0E+02	5.3E+03	1.7E+03	
Strontium-90	pCi/l	21	32	1.0E-01	5.4E+01	5.0E+02	3.5E+02	
Sulfate	mg/l	48	48	2.5E+00	1.1E+01	3.5E+01	3.1E+01	
Thallium	µg/l	2	47	1.0E-01	2.0E-01	3.0E-01	4.8E-01	
Tin	µg/l	5	33	3.0E+01	2.2E+02	9.2E+02	1.0E+03	
Total Dissolved Solids	mg/l	48	48	6.6E+01	2.6E+02	1.1E+03	6.8E+02	
Total Suspended Solids	mg/l	26	32	2.0E+00	1.9E+03	1.4E+04	9.4E+03	

TABLE C-2.—Surface Water Detection Statistics by Location and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued

LOCATION ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Perimeter (cont.)	Trinitrotoluene [2,4,6-]	µg/l	1	2	1.4E+00	1.4E+00	1.4E+00	
	Tritium	nCi/l	44	59	1.0E-04	4.2E-01	1.7E+00	1.2E+00
	Uranium	µg/l	39	56	6.0E-02	5.6E-01	2.7E+00	1.7E+00
	Vanadium	µg/l	26	47	3.0E+00	5.1E+01	1.0E+03	4.4E+02
	Zinc	µg/l	28	47	4.0E+00	9.2E+01	1.3E+03	5.8E+02
	Aluminum	µg/l	36	36	2.0E+02	2.9E+03	1.4E+04	8.9E+03
	Americium-241	pCi/l	21	29	4.0E-03	3.2E-02	6.8E-02	6.7E-02
	Antimony	µg/l	4	36	1.0E-01	3.1E+00	9.0E+00	1.1E+01
	Arsenic	µg/l	24	35	2.0E+00	1.1E+01	6.3E+01	4.2E+01
	Barium	µg/l	30	30	4.5E+01	1.3E+02	1.0E+03	4.8E+02
Regional	Beryllium	µg/l	5	36	3.0E+00	1.3E+01	5.0E+01	5.4E+01
	Bicarbonate	mg/l	42	42	5.9E+01	9.0E+01	1.7E+02	1.4E+02
	Boron	µg/l	34	36	1.0E+01	7.4E+01	5.7E+02	3.1E+02
	Cadmium	µg/l	2	36	3.0E+00	2.7E+01	5.1E+01	9.5E+01
	Calcium	mg/l	42	42	2.0E+01	4.0E+01	2.1E+02	9.6E+01
	Carbonate	mg/l	1	42	1.6E+01	1.6E+01	1.6E+01	
	Cesium-137	pCi/l	30	41	2.1E-01	4.9E+01	2.3E+02	1.9E+02
	Chlorine	mg/l	42	42	2.1E+00	9.5E+00	7.5E+01	3.6E+01
	Chromium	µg/l	19	36	2.0E+00	2.4E+01	2.5E+02	1.4E+02
	Cobalt	µg/l	5	30	4.0E+00	2.0E+01	5.0E+01	5.9E+01
	Copper	µg/l	10	36	2.0E+00	4.2E+01	2.4E+02	1.9E+02
	Cyanide	mg/l	3	30	1.0E-02	1.0E-02	1.0E-02	1.0E-02
	Fluorine	mg/l	42	42	1.0E-01	3.4E-01	1.0E+00	7.1E-01
	Gross Alpha	pCi/l	33	36	4.0E-01	3.2E+00	1.5E+01	9.6E+00
	Gross Beta	pCi/l	36	36	1.0E+00	1.0E+01	1.2E+02	5.2E+01

**TABLE C-2.—Surface Water Detection Statistics by Location and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

LOCATION ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Regional (cont.)	Gross Gamma	pCi/l	27	42	1.0E+01	1.5E+02	5.5E+02	4.9E+02
	Hardness	mg/l	42	42	5.0E+01	1.2E+02	1.7E+02	1.7E+02
	Iron	µg/l	36	36	1.4E+02	2.2E+03	1.3E+04	6.8E+03
	Lead	µg/l	22	36	1.0E+00	4.9E+00	1.9E+01	1.4E+01
	Lithium	mg/l	6	10	1.5E-02	3.9E-02	1.4E-01	1.4E-01
	Magnesium	mg/l	42	42	2.6E+00	7.0E+00	1.6E+01	1.2E+01
	Manganese	µg/l	36	36	2.0E+00	1.5E+02	1.6E+03	6.8E+02
	Mercury	µg/l	5	36	1.0E-01	1.2E-01	2.0E-01	2.1E-01
	Molybdenum	µg/l	14	36	2.0E+00	2.7E+02	2.4E+03	1.6E+03
	Nickel	µg/l	11	36	2.0E+00	6.4E+01	3.0E+02	2.8E+02
	Nitrate, as Nitrogen	mg/l	40	48	1.4E-02	1.2E+00	9.7E+00	6.5E+00
	pH		42	42	7.0E+00		8.8E+00	
	Phosphate	mg/l	1	6	2.6E-01	2.6E-01	2.6E-01	
	Phosphate, as Phosphorous	mg/l	23	42	3.0E-02	1.1E-01	2.0E-01	2.3E-01
	Plutonium-238	pCi/l	29	48	3.0E-03	1.8E-02	1.1E-01	5.9E-02
	Plutonium-239, Plutonium-240	pCi/l	33	48	2.0E-04	1.7E-02	9.2E-02	5.8E-02
	Potassium	mg/l	42	42	2.0E+00	3.1E+00	1.1E+01	6.4E+00
	Selenium	µg/l	12	36	2.0E+00	3.7E+00	8.0E+00	7.9E+00
	Silica	mg/l	48	48	1.4E+01	2.3E+01	4.4E+01	3.9E+01
	Silver	µg/l	2	36	1.0E+00	4.5E+01	8.8E+01	1.7E+02
	Sodium	mg/l	42	42	9.4E+00	1.9E+01	6.0E+01	3.6E+01
	Strontium	µg/l	36	36	8.3E+01	2.9E+02	1.0E+03	5.9E+02
	Strontium-90	pCi/l	24	29	1.0E-01	7.0E-01	3.3E+00	2.0E+00
	Sulfate	mg/l	42	42	6.0E+00	4.4E+01	1.1E+02	8.8E+01

**TABLE C-2.—Surface Water Detection Statistics by Location and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

LOCATION ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Regional (cont.)								
	Thallium	$\mu\text{g/l}$	1	36	2.0E-01	2.0E-01	2.0E-01	
	Tin	$\mu\text{g/l}$	1	30	3.3E+01	3.3E+01	3.3E+01	
	Total Dissolved Solids	mg/l	42	42	8.6E+01	2.5E+02	7.2E+02	4.6E+02
	Total Suspended Solids	mg/l	14	18	1.2E+01	1.7E+02	1.3E+03	8.4E+02
	Tritium	nCi/l	28	42	1.0E-04	2.4E-01	6.0E-01	6.3E-01
	Uranium	$\mu\text{g/l}$	41	43	2.0E-01	1.7E+00	3.9E+00	3.5E+00
	Vanadium	$\mu\text{g/l}$	30	36	2.0E+00	1.6E+01	1.3E+02	6.1E+01
	Zinc	$\mu\text{g/l}$	26	36	6.0E+00	4.1E+01	2.1E+02	1.3E+02

^a On-site, perimeter, and regional locations are in accordance with the Environmental Surveillance Program.

^b pCi/l is picocuries of radioactive analyte per liter of sample, nCi/l is nanocuries of radioactive analyte per liter of sample, $\mu\text{g/l}$ is micrograms of analyte per liter of sample, mg/l is milligrams of analyte per liter of sample.

^c Upper confidence limit (UCL) not calculated when the number of detected analyses equals 1.

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Ancho	Acetone	µg/l	2	2	2.5E+01	3.2E+01	3.8E+01	5.0E+01
	Aluminum	µg/l	5	7	5.0E+01	1.7E+03	7.0E+03	7.7E+03
	Americium-241	pCi/l	4	6	3.0E-03	3.0E-02	4.3E-02	6.6E-02
	Arsenic	µg/l	4	7	2.0E+00	3.0E+00	4.0E+00	4.6E+00
	Barium	µg/l	6	6	2.7E+01	1.6E+02	8.1E+02	8.0E+02
	Bicarbonate	mg/l	6	7	5.5E+01	6.5E+01	7.5E+01	7.8E+01
	Boron	µg/l	7	7	1.1E+01	5.2E+01	2.3E+02	2.1E+02
	Calcium	mg/l	7	7	7.3E+00	1.3E+01	1.6E+01	1.9E+01
	Carbonate	mg/l	4	7	1.4E+01	1.7E+01	2.3E+01	2.5E+01
	Cesium-137	pCi/l	5	9	1.1E-01	1.4E+00	3.3E+00	3.8E+00
	Chlorine	mg/l	7	7	2.0E+00	4.5E+00	8.3E+00	8.9E+00
	Chromium	µg/l	4	7	1.0E+00	4.8E+00	7.7E+00	1.1E+01
	Copper	µg/l	2	7	6.0E+00	6.5E+00	7.0E+00	7.9E+00
	Di-n-butyl phthalate	µg/l	1	2	1.4E+01	1.4E+01	1.4E+01	
	Fluorine	mg/l	7	7	2.5E-01	3.8E-01	4.0E-01	4.9E-01
	Gross Alpha	pCi/l	5	8	1.0E+00	5.7E+00	2.3E+01	2.5E+01
	Gross Beta	pCi/l	8	8	2.0E+00	1.4E+01	7.3E+01	6.3E+01
	Gross Gamma	pCi/l	4	8	8.0E+01	2.0E+02	4.6E+02	5.5E+02
	Hardness	mg/l	7	7	2.7E+01	4.7E+01	5.6E+01	6.6E+01
	Iron	µg/l	6	7	5.0E+01	8.3E+02	3.6E+03	3.6E+03
	Lead	µg/l	3	7	2.0E-01	2.7E+00	6.0E+00	8.7E+00
	Lithium	mg/l	1	1	2.2E-02	2.2E-02	2.2E-02	
	Magnesium	mg/l	7	7	2.2E+00	3.3E+00	4.0E+00	4.5E+00
	Manganese	µg/l	6	7	1.0E+00	3.4E+01	1.4E+02	1.4E+02

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Ancho (cont.)	Molybdenum	µg/l	1	6	1.0E+01	1.0E+01	1.0E+01	
	Nitrate, as Nitrogen	mg/l	2	6	4.0E-02	4.8E-01	9.1E-01	1.7E+00
	pH		7	7	6.9E+00		9.3E+00	
	Phosphate, as Phosphorous	mg/l	2	6	3.0E-02	1.7E-01	3.0E-01	5.5E-01
	Plutonium-238	pCi/l	10	13	2.0E-03	6.7E-03	2.0E-02	1.8E-02
	Plutonium-239,	pCi/l	10	13	2.0E-03	1.2E-02	3.9E-02	3.6E-02
	Plutonium-240							
	Potassium	mg/l	7	7	1.2E+00	2.5E+00	4.8E+00	4.8E+00
	Selenium	µg/l	2	7	1.0E+00	2.0E+00	3.0E+00	4.8E+00
	Silica	mg/l	7	7	1.5E+01	6.7E+01	8.1E+01	1.1E+02
	Sodium	mg/l	7	7	5.0E+00	1.0E+01	1.2E+01	1.5E+01
	Strontium	µg/l	7	7	4.7E+01	6.6E+01	7.6E+01	8.7E+01
	Strontium-90	pCi/l	6	7	9.0E-01	1.3E+02	7.0E+02	6.9E+02
	Sulfate	mg/l	7	7	2.0E+00	4.6E+00	8.7E+00	8.8E+00
	Tin	µg/l	2	5	3.6E+01	3.7E+01	3.8E+01	4.0E+01
	Total Dissolved Solids	mg/l	7	7	9.0E+01	3.8E+02	1.8E+03	1.6E+03
	Total Suspended Solids	mg/l	3	4	1.2E+00	1.6E+03	4.6E+03	6.8E+03
	Tritium	nCi/l	5	9	1.0E-01	3.4E-01	6.0E-01	7.0E-01
	Uranium	µg/l	8	9	2.2E-01	1.7E+00	9.5E+00	8.0E+00
	Vanadium	µg/l	7	7	6.0E+00	9.2E+00	1.1E+01	1.3E+01
	Zinc	µg/l	3	7	2.4E+01	1.1E+02	2.3E+02	3.2E+02

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Cañada del Buey	Aluminum	µg/l	6	6	3.0E+02	1.2E+04	3.5E+04	3.9E+04
	Americium-241	pCi/l	2	3	2.3E-02	3.9E-02	5.5E-02	8.4E-02
	Antimony	µg/l	1	6	3.0E-01	3.0E-01	3.0E-01	
	Arsenic	µg/l	4	5	3.2E+00	4.5E+00	5.8E+00	6.8E+00
	Barium	µg/l	5	5	1.2E+02	2.1E+02	4.8E+02	5.1E+02
	Beryllium	µg/l	2	6	1.0E+00	2.0E+00	2.9E+00	4.6E+00
	Bicarbonate	mg/l	5	6	1.2E+01	4.9E+01	7.7E+01	9.7E+01
	Boron	µg/l	6	6	5.0E+01	6.3E+01	7.5E+01	8.3E+01
	Calcium	mg/l	6	6	1.0E+01	1.2E+01	1.6E+01	1.6E+01
	Cesium-137	pCi/l	3	5	1.1E+00	4.6E+00	1.0E+01	1.4E+01
	Chlorine	mg/l	5	6	7.0E+00	2.1E+01	5.7E+01	6.2E+01
	Chromium	µg/l	5	6	7.2E+00	1.7E+01	2.7E+01	3.1E+01
	Cobalt	µg/l	2	5	6.0E+00	8.0E+00	1.0E+01	1.4E+01
	Copper	µg/l	6	7	6.0E+00	2.9E+03	1.7E+04	1.7E+04
	Cyanide	mg/l	2	5	2.0E-02	2.0E-02	2.0E-02	2.0E-02
	Fluorine	mg/l	5	6	4.7E-01	5.1E-01	6.0E-01	6.1E-01
	Gross Alpha	pCi/l	5	5	3.2E-01	1.8E+00	3.0E+00	4.2E+00
	Gross Beta	pCi/l	5	5	5.0E+00	6.5E+00	1.0E+01	1.1E+01
	Gross Gamma	pCi/l	3	6	6.0E+01	1.8E+02	2.9E+02	4.0E+02
	Hardness	mg/l	6	7	2.2E+01	4.1E+01	5.5E+01	6.7E+01
	Iron	µg/l	6	6	7.2E+02	7.2E+03	1.8E+04	2.1E+04
	Lead	µg/l	5	6	2.0E+00	9.5E+00	1.3E+01	1.8E+01
	Lithium	mg/l	1	1	4.1E-02	4.1E-02	4.1E-02	
	Magnesium	mg/l	6	6	1.2E+00	3.5E+00	5.5E+00	6.6E+00
	Manganese	µg/l	6	6	1.2E+01	2.5E+02	5.2E+02	6.6E+02
	Mercury	µg/l	3	5	3.0E-01	3.7E-01	4.0E-01	4.8E-01

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Cañada del Buey (cont.)	Molybdenum	µg/l	5	6	1.0E+02	2.0E+02	5.0E+02	5.4E+02
	Nickel	µg/l	1	6	1.0E+01	1.0E+01	1.0E+01	
	Nitrate, as Nitrogen	mg/l	6	7	8.0E-02	1.8E+00	6.0E+00	6.2E+00
	pH		6	6	3.6E+00		8.4E+00	
	Phosphate, as Phosphorous	mg/l	5	6	8.0E-02	3.4E-01	7.0E-01	9.4E-01
	Plutonium-238	pCi/l	2	6	6.0E-03	6.5E-03	7.0E-03	7.9E-03
	Plutonium-239, Plutonium-240	pCi/l	6	6	8.0E-03	1.6E-02	4.4E-02	4.4E-02
	Potassium	mg/l	4	5	3.0E+00	4.7E+00	7.3E+00	8.6E+00
	Silica	mg/l	7	7	1.8E+01	5.1E+01	1.7E+02	1.6E+02
	Silver	µg/l	4	6	1.2E+00	9.1E+00	2.0E+01	2.7E+01
	Sodium	mg/l	6	6	3.0E+00	2.0E+01	3.4E+01	4.0E+01
	Strontium	µg/l	6	6	4.9E+01	7.2E+01	9.0E+01	9.9E+01
	Strontium-90	pCi/l	2	3	1.1E+00	1.1E+00	1.1E+00	1.1E+00
	Sulfate	mg/l	6	6	2.5E+00	1.9E+01	6.2E+01	6.5E+01
	Thallium	µg/l	1	6	2.0E-01	2.0E-01	2.0E-01	
	Tin	µg/l	1	6	4.0E+01	4.0E+01	4.0E+01	
	Total Dissolved Solids	mg/l	6	6	1.8E+02	3.1E+02	4.5E+02	5.3E+02
	Total Suspended Solids	mg/l	2	2	3.5E+01	4.6E+03	9.1E+03	1.7E+04
	Tritium	nCi/l	4	6	5.0E-04	4.0E-01	7.0E-01	1.0E+00
	Uranium	µg/l	5	6	2.2E-01	6.1E-01	1.3E+00	1.6E+00
	Vanadium	µg/l	5	6	3.0E+00	2.0E+01	3.7E+01	4.8E+01
	Zinc	µg/l	6	6	3.0E+01	8.4E+01	1.2E+02	1.6E+02

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Chaquehui	Aluminum	µg/l	1	1	6.4E+04	6.4E+04	6.4E+04	6.4E+04
	Americium-241	pCi/l	1	1	6.0E-02	6.0E-02	6.0E-02	6.0E-02
	Barium	µg/l	1	1	6.2E+02	6.2E+02	6.2E+02	6.2E+02
	Beryllium	µg/l	1	1	5.0E+00	5.0E+00	5.0E+00	5.0E+00
	Bicarbonate	mg/l	1	1	6.0E+01	6.0E+01	6.0E+01	6.0E+01
	Calcium	mg/l	1	1	2.7E+01	2.7E+01	2.7E+01	2.7E+01
	Chlorine	mg/l	1	1	3.0E+00	3.0E+00	3.0E+00	3.0E+00
	Chromium	µg/l	1	1	3.6E+01	3.6E+01	3.6E+01	3.6E+01
	Cobalt	µg/l	1	1	1.4E+01	1.4E+01	1.4E+01	1.4E+01
	Copper	µg/l	1	1	3.3E+01	3.3E+01	3.3E+01	3.3E+01
	Fluorine	mg/l	1	1	5.0E-01	5.0E-01	5.0E-01	5.0E-01
	Gross Alpha	pCi/l	1	1	2.0E+00	2.0E+00	2.0E+00	2.0E+00
	Gross Beta	pCi/l	1	1	2.0E+00	2.0E+00	2.0E+00	2.0E+00
	Hardness	mg/l	1	1	4.1E+01	4.1E+01	4.1E+01	4.1E+01
	Iron	µg/l	1	1	6.0E+04	6.0E+04	6.0E+04	6.0E+04
	Lead	µg/l	1	1	3.0E+00	3.0E+00	3.0E+00	3.0E+00
	Magnesium	mg/l	1	1	1.2E+01	1.2E+01	1.2E+01	1.2E+01
	Manganese	µg/l	1	1	8.7E+02	8.7E+02	8.7E+02	8.7E+02
	Nickel	µg/l	1	1	2.4E+01	2.4E+01	2.4E+01	2.4E+01
	pH		1	1	7.9E+00		7.9E+00	
	Plutonium-238	pCi/l	1	1	2.0E-02	2.0E-02	2.0E-02	2.0E-02
	Plutonium-239, Plutonium-240	pCi/l	1	1	2.9E-02	2.9E-02	2.9E-02	2.9E-02
	Potassium	mg/l	1	1	1.0E+01	1.0E+01	1.0E+01	1.0E+01
	Silica	mg/l	1	1	8.0E+01	8.0E+01	8.0E+01	8.0E+01
	Sodium	mg/l	1	1	7.0E+00	7.0E+00	7.0E+00	7.0E+00

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Chaquehui (cont.)	Strontium	µg/l	1	1	6.0E+01	6.0E+01	6.0E+01	
	Strontium-90	pCi/l	1	1	1.9E+00	1.9E+00	1.9E+00	
	Sulfate	mg/l	1	1	3.0E+00	3.0E+00	3.0E+00	
	Total Dissolved Solids	mg/l	1	1	1.4E+02	1.4E+02	1.4E+02	
	Tritium	nCi/l	1	1	3.0E-01	3.0E-01	3.0E-01	
	Uranium	µg/l	1	1	1.4E+00	1.4E+00	1.4E+00	
Frijoles	Vanadium	µg/l	1	1	6.0E+01	6.0E+01	6.0E+01	
	Zinc	µg/l	1	1	2.3E+02	2.3E+02	2.3E+02	
	Acetone	µg/l	2	4	2.3E+01	2.4E+01	2.5E+01	2.7E+01
	Aluminum	µg/l	10	13	1.2E+02	5.2E+02	1.8E+03	1.7E+03
	Americium-241	pCi/l	8	8	7.0E-03	4.7E-02	1.7E-01	1.5E-01
	Antimony	µg/l	1	13	4.0E-01	4.0E-01	4.0E-01	
	Arsenic	µg/l	3	13	2.0E+00	2.3E+00	3.0E+00	3.5E+00
	Barium	µg/l	10	11	1.6E+01	2.0E+01	2.8E+01	2.8E+01
	Beryllium	µg/l	1	13	5.0E-01	5.0E-01	5.0E-01	
	Bicarbonate	mg/l	13	13	3.3E+01	5.1E+01	7.6E+01	7.3E+01
	Boron	µg/l	6	13	1.0E+01	1.5E+01	2.0E+01	2.3E+01
	Cadmium	µg/l	2	13	2.0E-01	1.6E+00	3.0E+00	5.6E+00
	Calcium	mg/l	12	13	8.0E+00	7.6E+01	8.1E+02	5.4E+02
	Carbonate	mg/l	1	13	4.0E+00	4.0E+00	4.0E+00	
Cesium-137	Cesium-137	pCi/l	7	14	4.0E-01	2.8E+01	9.5E+01	1.2E+02
	Chlorine	mg/l	13	13	3.0E+00	6.6E+00	3.2E+01	2.2E+01
	Chromium	µg/l	4	13	2.0E+00	3.5E+00	6.0E+00	7.3E+00
	Cobalt	µg/l	1	11	3.0E+00	3.0E+00	3.0E+00	
	Copper	µg/l	3	13	2.0E+00	5.7E+00	1.3E+01	1.8E+01

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Frijoles (cont.)	Cyanide	mg/l	1	11	1.0E-02	1.0E-02	1.0E-02	
	Dinitrotoluene	µg/l	1	4	3.4E+00	3.4E+00	3.4E+00	
	[2,4-]							
	Fluorine	mg/l	12	13	9.0E-02	1.9E-01	3.0E-01	3.2E-01
	Gross Alpha	pCi/l	7	12	7.0E-01	4.7E+00	2.5E+01	2.3E+01
	Gross Beta	pCi/l	10	12	1.7E+00	3.2E+00	8.0E+00	7.1E+00
	Gross Gamma	pCi/l	6	11	4.0E+01	2.5E+02	7.0E+02	7.4E+02
	Hardness	mg/l	12	13	2.2E+01	3.7E+01	4.7E+01	4.9E+01
	Iron	µg/l	11	13	1.2E+02	3.4E+02	9.6E+02	8.8E+02
	Lead	µg/l	5	14	1.0E+00	1.2E+01	5.5E+01	6.0E+01
	Lithium	mg/l	3	3	1.0E-02	1.6E-02	2.3E-02	2.9E-02
	Magnesium	mg/l	12	13	2.7E+00	3.2E+00	3.5E+00	3.6E+00
	Manganese	µg/l	10	13	2.0E+00	1.6E+01	3.6E+01	4.2E+01
	Methylene chloride	µg/l	1	4	2.0E+01	2.0E+01	2.0E+01	
	Molybdenum	µg/l	2	12	1.0E+00	7.0E+00	1.3E+01	2.4E+01
	Nickel	µg/l	2	13	2.3E+01	3.9E+01	5.4E+01	8.2E+01
	Nitrate, as Nitrogen	mg/l	7	14	9.0E-03	4.3E-01	2.0E+00	1.9E+00
	pH		13	13	7.3E+00		8.4E+00	
	Phosphate, as Phosphorous	mg/l	7	13	5.0E-02	1.5E-01	3.0E-01	3.6E-01
	Plutonium-238	pCi/l	11	15	3.0E-03	1.2E-02	3.1E-02	3.0E-02
	Plutonium-239, Plutonium-240	pCi/l	9	15	3.0E-03	8.4E-03	1.6E-02	1.6E-02
	Potassium	mg/l	11	13	5.7E-01	2.0E+00	3.0E+00	3.3E+00
	Selenium	µg/l	2	13	2.0E+00	2.5E+00	3.0E+00	3.9E+00

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Frijoles (cont.)	Silica	mg/l	14	14	4.8E+01	6.0E+01	9.0E+01	8.1E+01
	Sodium	mg/l	12	13	7.9E+00	1.0E+01	1.2E+01	1.3E+01
	Strontium	µg/l	12	13	5.0E+01	5.8E+01	6.6E+01	6.7E+01
	Strontium-90	pCi/l	6	8	1.0E-01	8.4E+01	5.0E+02	4.9E+02
	Sulfate	mg/l	13	13	3.0E+00	6.1E+00	3.2E+01	2.2E+01
	Tin	µg/l	1	9	3.5E+01	3.5E+01	3.5E+01	
	Total Dissolved Solids	mg/l	13	13	9.0E+01	2.2E+02	9.9E+02	6.9E+02
	Total Suspended Solids	mg/l	4	5	2.0E+00	7.4E+00	1.9E+01	2.3E+01
	Trinitrotoluene [2,4,6-]	µg/l	1	1	1.4E+00	1.4E+00	1.4E+00	
	Tritium	nCi/l	10	14	1.0E-04	2.9E-01	8.0E-01	7.9E-01
	Uranium	µg/l	9	13	8.0E-02	4.5E-01	1.3E+00	1.3E+00
	Vanadium	µg/l	7	13	4.0E+00	8.3E+00	1.3E+01	1.5E+01
	Zinc	µg/l	6	13	9.0E+00	2.9E+01	6.4E+01	7.0E+01
Guaje	Aluminum	µg/l	4	5	1.1E+02	9.5E+02	2.3E+03	3.0E+03
	Americium-241	pCi/l	1	2	4.3E-02	4.3E-02	4.3E-02	
	Arsenic	µg/l	1	5	2.0E+00	2.0E+00	2.0E+00	
	Barium	µg/l	4	4	1.8E+01	2.3E+01	3.0E+01	3.3E+01
	Bicarbonate	mg/l	5	5	3.0E+01	3.7E+01	4.3E+01	4.6E+01
	Boron	µg/l	1	5	1.0E+01	1.0E+01	1.0E+01	
	Calcium	mg/l	5	5	7.0E+00	7.9E+00	1.0E+01	1.0E+01
	Cesium-137	pCi/l	3	5	4.0E-01	3.5E+01	1.0E+02	1.5E+02
	Chlorine	mg/l	5	5	9.2E-01	2.5E+00	6.7E+00	7.3E+00
	Chromium	µg/l	1	5	2.0E+00	2.0E+00	2.0E+00	
	Copper	µg/l	1	5	4.0E+00	4.0E+00	4.0E+00	

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Guaje (cont.)	Cyanide	mg/l	2	4	1.0E-02	1.0E-02	1.0E-02	1.0E-02
	Fluorine	mg/l	5	5	7.0E-02	1.5E-01	3.0E-01	3.4E-01
	Gross Alpha	pCi/l	5	5	2.0E-01	8.4E-01	1.0E+00	1.6E+00
	Gross Beta	pCi/l	5	5	2.0E+00	3.3E+00	4.0E+00	4.9E+00
	Gross Gamma	pCi/l	3	6	4.8E+01	1.4E+02	3.0E+02	4.2E+02
	Hardness	mg/l	5	5	1.0E+01	2.8E+01	3.5E+01	4.8E+01
	Iron	µg/l	5	5	1.1E+02	4.8E+02	1.2E+03	1.4E+03
	Lead	µg/l	1	5	1.0E+00	1.0E+00	1.0E+00	
	Lithium	mg/l	1	1	3.0E-02	3.0E-02	3.0E-02	
	Magnesium	mg/l	5	5	2.4E+00	2.7E+00	3.3E+00	3.4E+00
	Manganese	µg/l	4	5	7.0E+00	2.0E+01	3.5E+01	4.3E+01
	Nitrate, as Nitrogen	mg/l	4	6	4.5E-03	1.4E-01	4.8E-01	6.0E-01
	pH		5	5	7.4E+00		7.8E+00	
	Phosphate	mg/l	1	1	1.1E-01	1.1E-01	1.1E-01	
	Phosphate, as Phosphorous	mg/l	4	5	3.6E-02	1.2E-01	3.0E-01	3.7E-01
	Plutonium-238	pCi/l	5	8	1.9E-03	8.4E-03	2.0E-02	2.4E-02
	Plutonium-239, Plutonium-240	pCi/l	7	8	8.0E-03	2.4E-02	3.9E-02	4.9E-02
	Potassium	mg/l	5	5	1.8E+00	2.5E+00	3.0E+00	3.6E+00
	Selenium	µg/l	1	5	6.0E+00	6.0E+00	6.0E+00	
	Silica	mg/l	6	6	3.8E+01	5.0E+01	5.6E+01	6.3E+01
	Silver	µg/l	1	5	1.0E+00	1.0E+00	1.0E+00	
	Sodium	mg/l	5	5	5.0E+00	7.1E+00	1.0E+01	1.1E+01
	Strontium	µg/l	5	5	3.8E+01	5.0E+01	7.0E+01	7.8E+01
	Sulfate	mg/l	5	5	4.9E+00	5.4E+00	7.0E+00	7.2E+00

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Guaje (cont.)	Thallium	mg/l	2	3	2.4E+01	2.6E+01	2.8E+01	3.1E+01
	Tin	µg/l	1	3	3.0E+01	3.0E+01	3.0E+01	
	Total Dissolved Solids	mg/l	5	5	8.8E+01	1.4E+02	1.8E+02	2.1E+02
	Tritium	nCi/l	5	6	3.0E-04	3.6E-01	7.0E-01	9.7E-01
	Uranium	µg/l	3	5	7.0E-02	1.8E-01	3.6E-01	5.0E-01
	Vanadium	µg/l	1	5	3.0E+00	3.0E+00	3.0E+00	
	Zinc	µg/l	2	5	8.0E+00	3.5E+01	6.2E+01	1.1E+02
	Acetone	µg/l	1	5	1.5E+01	1.5E+01	1.5E+01	
	Aluminum	µg/l	19	20	1.0E+02	2.6E+03	1.4E+04	9.7E+03
	Americium-241	pCi/l	19	20	1.4E-02	2.3E-01	1.3E+00	9.6E-01
Los Alamos	Antimony	µg/l	2	20	1.2E+00	1.6E+00	2.0E+00	2.7E+00
	Arsenic	µg/l	6	20	3.0E+00	3.9E+00	5.2E+00	5.7E+00
	Barium	µg/l	19	19	1.6E+01	6.6E+01	1.4E+02	1.4E+02
	Benzoic acid	µg/l	1	4	1.1E+01	1.1E+01	1.1E+01	
	Beryllium	µg/l	2	20	1.0E+00	1.0E+00	1.0E+00	1.0E+00
	Bicarbonate	mg/l	17	17	2.4E+01	6.2E+01	1.4E+02	1.4E+02
	Bis(2-ethylhexyl) phthalate	µg/l	2	4	2.0E+00	8.0E+00	1.4E+01	2.5E+01
	Boron	µg/l	13	20	1.0E+01	4.8E+01	1.6E+02	1.2E+02
	Bromine	µg/l	1	4	1.1E+02	1.1E+02	1.1E+02	
	Cadmium	mg/l	17	17	4.0E+00	2.6E+01	1.1E+02	8.1E+01
Cesium-137	Calcium	mg/l	20	20	6.0E+00	1.6E+01	3.6E+01	3.6E+01
	Carbonate	mg/l	2	17	9.0E+00	1.9E+01	2.8E+01	4.6E+01
	Chromium	pCi/l	31	42	2.0E-02	1.2E+01	1.6E+02	7.5E+01
	Chromium	µg/l	5	20	4.0E+00	9.8E+00	1.7E+01	1.9E+01

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Los Alamos (cont.)	Cobalt	µg/l	4	19	4.0E+00	7.0E+00	1.0E+01	1.3E+01
	Copper	µg/l	5	20	7.0E+00	1.3E+01	2.1E+01	2.4E+01
	Cyanide	mg/l	1	14	1.0E-02	1.0E-02	1.0E-02	
	Di-n-butyl phthalate	µg/l	2	4	4.0E+00	5.5E+00	7.0E+00	9.7E+00
	Di-n-octyl phthalate	µg/l	1	4	8.0E+00	8.0E+00	8.0E+00	
	Fluorine	mg/l	15	17	6.0E-02	4.2E-01	1.1E+00	1.0E+00
	Gross Alpha	pCi/l	28	41	3.0E-01	3.4E+00	3.2E+01	1.8E+01
	Gross Beta	pCi/l	41	41	1.0E+00	2.8E+01	2.1E+02	1.2E+02
	Gross Gamma	pCi/l	25	37	1.0E+01	7.9E+01	4.0E+02	2.5E+02
	Hardness	mg/l	20	20	1.5E+01	5.3E+01	1.5E+02	1.2E+02
	Iron	µg/l	20	20	2.0E+01	1.5E+03	7.9E+03	5.6E+03
	Lead	µg/l	11	22	1.0E+00	1.2E+01	4.5E+01	4.1E+01
	Lithium	mg/l	3	6	6.0E-03	1.3E-02	2.0E-02	2.7E-02
	Magnesium	mg/l	20	20	1.3E+00	2.6E+00	5.2E+00	4.6E+00
	Manganese	µg/l	15	20	4.0E+00	1.3E+02	5.2E+02	4.6E+02
	Mercury	µg/l	5	20	1.0E-01	2.8E-01	1.0E+00	1.1E+00
	Molybdenum	µg/l	6	20	6.0E+00	2.4E+01	5.1E+01	5.7E+01
	Nickel	µg/l	3	20	2.0E+00	1.5E+01	2.2E+01	3.8E+01
	Nitrate, as Nitrogen	mg/l	13	22	7.0E-02	1.1E+00	3.9E+00	3.1E+00
	Nitrite, as Nitrogen	mg/l	1	4	4.6E-01	4.6E-01	4.6E-01	
	pH		17	17	7.1E+00		9.2E+00	
	Phosphate	mg/l	1	4	1.7E+00	1.7E+00	1.7E+00	

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Los Alamos (cont.)	Phosphate, as Phosphorous	mg/l	11	17	4.0E-02	2.1E-01	8.0E-01	7.0E-01
	Plutonium-238	pCi/l	78	108	1.0E-03	2.8E-02	2.5E-01	1.2E-01
	Plutonium-239, Plutonium-240	pCi/l	104	110	2.0E-03	4.9E-01	1.2E+01	4.2E+00
	Potassium	mg/l	19	20	1.7E+00	4.5E+00	7.2E+00	8.4E+00
	Selenium	µg/l	2	20	1.3E+00	4.2E+00	7.0E+00	1.2E+01
	Silica	mg/l	20	21	1.5E+01	3.3E+01	5.1E+01	5.3E+01
	Silver	µg/l	1	20	1.0E+00	1.0E+00	1.0E+00	1.0E+00
	Sodium	mg/l	20	20	5.0E+00	2.5E+01	8.7E+01	7.1E+01
	Strontium	µg/l	20	20	4.5E+01	9.2E+01	2.3E+02	1.9E+02
	Strontium-90	pCi/l	14	18	1.0E-01	1.4E+01	8.5E+01	6.1E+01
	Sulfate	mg/l	17	17	4.0E+00	7.6E+00	2.2E+01	1.7E+01
	Thallium	µg/l	3	20	4.3E-01	6.1E-01	8.0E-01	9.8E-01
	Total Dissolved Solids	mg/l	17	17	6.6E+01	2.1E+02	5.4E+02	4.8E+02
	Total Suspended Solids	mg/l	32	35	1.8E+00	1.3E+03	1.4E+04	7.6E+03
	Tritium	nCi/l	32	42	2.0E-04	5.7E-01	2.2E+00	1.6E+00
	Uranium	µg/l	23	33	6.0E-02	4.5E-01	2.2E+00	1.4E+00
	Vanadium	µg/l	6	20	4.0E+00	1.2E+01	2.2E+01	2.7E+01
	Zinc	µg/l	13	20	6.0E+00	4.6E+01	1.2E+02	1.2E+02

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Mortandad	Aluminum	µg/l	10	11	9.0E+01	2.7E+03	1.4E+04	1.1E+04
	Americium-241	pCi/l	6	8	2.2E-02	1.1E+00	2.2E+00	2.7E+00
	Antimony	µg/l	3	11	6.0E-01	1.6E+00	3.0E+00	4.1E+00
	Arsenic	µg/l	9	11	2.0E+00	3.3E+00	5.0E+00	5.3E+00
	Barium	µg/l	9	9	3.0E+01	5.4E+01	9.3E+01	9.8E+01
	Beryllium	µg/l	2	11	5.0E-01	1.3E+00	2.0E+00	3.4E+00
	Bicarbonate	mg/l	11	11	7.0E+01	1.3E+02	2.1E+02	2.0E+02
	Boron	µg/l	11	11	1.9E+01	2.1E+02	4.1E+02	5.4E+02
	Cadmium	µg/l	1	11	4.0E-01	4.0E-01	4.0E-01	4.0E-01
	Calcium	mg/l	11	11	2.5E+01	4.6E+01	1.9E+02	1.4E+02
	Carbonate	mg/l	2	11	2.0E+00	7.0E+00	1.2E+01	2.1E+01
	Cesium-137	pCi/l	7	8	2.4E-01	2.6E+01	9.0E+01	9.3E+01
	Chlorine	mg/l	11	11	6.0E+00	2.9E+01	7.4E+01	7.7E+01
	Chromium	µg/l	5	11	3.0E+00	4.5E+00	6.3E+00	7.0E+00
	Cobalt	µg/l	2	10	4.0E+00	3.2E+01	6.0E+01	1.1E+02
	Copper	µg/l	10	11	6.0E+00	2.1E+01	4.0E+01	4.1E+01
	Cyanide	mg/l	3	9	1.0E-02	1.5E-02	2.0E-02	2.5E-02
	Fluorine	mg/l	11	11	3.0E-01	7.3E-01	1.1E+00	1.3E+00
	Gross Alpha	pCi/l	7	9	4.4E-01	1.3E+01	4.9E+01	5.0E+01
	Gross Beta	pCi/l	9	9	6.4E+00	8.1E+01	3.5E+02	3.0E+02
	Gross Gamma	pCi/l	7	9	2.0E+01	1.2E+02	6.0E+02	5.5E+02
	Hardness	mg/l	11	11	7.3E+01	1.5E+02	6.1E+02	4.6E+02
	Iron	µg/l	11	11	7.0E+01	1.8E+03	1.1E+04	8.1E+03
	Lead	µg/l	6	12	5.0E-01	9.1E+00	4.3E+01	4.2E+01
	Lithium	mg/l	2	2	2.9E-02	3.2E-02	3.4E-02	3.9E-02
	Magnesium	mg/l	11	11	2.2E+00	7.9E+00	3.3E+01	2.5E+01

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Mortandad (cont.)	Manganese	µg/l	10	11	5.0E+00	3.7E+01	8.3E+01	8.2E+01
	Mercury	µg/l	2	11	3.0E-01	3.5E-01	4.0E-01	4.9E-01
	Molybdenum	µg/l	8	10	1.1E+01	2.8E+02	1.2E+03	1.1E+03
	Nickel	µg/l	2	11	1.0E+01	2.5E+01	4.0E+01	6.7E+01
	Nitrite, as Nitrogen	mg/l	11	11	5.1E-01	6.8E+00	1.8E+01	1.7E+01
	pH		11	11	7.5E+00		8.6E+00	
	Phosphate, as Phosphorous	mg/l	10	10	8.0E-02	3.6E+00	9.0E+00	1.1E+01
	Plutonium-238	pCi/l	9	10	3.9E-03	9.8E-01	4.7E+00	4.2E+00
	Plutonium-239, Plutonium-240	pCi/l	8	10	7.0E-03	4.3E-01	1.5E+00	1.5E+00
	Potassium	mg/l	11	11	3.0E+00	1.3E+01	4.3E+01	3.5E+01
Selenium	Selenium	µg/l	4	11	1.0E+00	1.7E+02	6.7E+02	8.4E+02
	Silica	mg/l	11	11	3.9E+01	6.8E+01	9.9E+01	1.1E+02
	Sodium	mg/l	11	11	2.1E+01	7.3E+01	1.8E+02	1.6E+02
	Strontium	µg/l	11	11	6.0E+01	1.0E+02	1.6E+02	1.6E+02
	Strontium-90	pCi/l	8	9	5.0E-01	9.0E+01	5.0E+02	4.3E+02
	Sulfate	mg/l	11	11	5.0E+00	2.1E+01	4.1E+01	4.8E+01
	Thallium	µg/l	2	11	1.7E-01	3.1E+00	6.0E+00	1.1E+01
	Tin	µg/l	2	8	4.5E+01	8.8E+01	1.3E+02	2.1E+02
	Total Dissolved Solids	mg/l	11	11	2.1E+02	4.1E+02	1.1E+03	9.1E+02
	Total Suspended Solids	mg/l	3	4	2.0E+00	1.3E+01	2.4E+01	3.5E+01
Tritium	Tritium	nCi/l	9	10	4.0E-04	6.7E+00	1.8E+01	2.1E+01
	Uranium	µg/l	11	11	4.0E-01	1.2E+00	2.7E+00	2.7E+00

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Mortandad (cont.)	Vanadium	µg/l	7	11	9.0E+00	1.0E+01	1.1E+01	1.2E+01
	Zinc	µg/l	9	11	1.0E+01	2.5E+01	3.9E+01	4.2E+01
Pajarito	Acetone	µg/l	1	4	2.4E+01	2.4E+01	2.4E+01	
	Aluminum	µg/l	8	10	1.0E+01	9.5E+02	3.8E+03	3.6E+03
	Americium-241	pCi/l	7	8	8.0E-03	2.5E-02	3.7E-02	4.9E-02
	Antimony	µg/l	2	10	3.0E-01	4.5E-01	6.0E-01	8.7E-01
	Arsenic	µg/l	4	10	2.0E+00	4.0E+00	9.0E+00	1.1E+01
	Barium	µg/l	9	9	3.8E+01	8.9E+01	1.8E+02	2.0E+02
	Beryllium	µg/l	3	10	5.0E-01	2.4E+01	6.8E+01	1.0E+02
	Bicarbonate	mg/l	11	11	5.7E+01	7.8E+01	9.5E+01	1.0E+02
	Boron	µg/l	10	10	2.0E+01	4.9E+01	2.1E+02	1.6E+02
	Cadmium	µg/l	3	10	3.0E-01	5.1E+01	1.5E+02	2.2E+02
	Calcium	mg/l	10	11	1.5E+01	2.2E+01	3.0E+01	3.1E+01
	Cesium-137	pCi/l	11	17	2.1E-01	4.1E+01	3.3E+02	2.4E+02
	Chlorine	mg/l	11	11	5.0E+00	2.4E+01	6.2E+01	6.8E+01
	Chromium	µg/l	7	10	2.2E+00	7.8E+01	5.1E+02	4.6E+02
	Cobalt	µg/l	3	9	1.4E+01	8.3E+01	1.7E+02	2.4E+02
	Copper	µg/l	4	10	4.0E+00	1.4E+02	5.2E+02	6.5E+02
	Di-n-butyl phthalate	µg/l	1	4	2.0E+00	2.0E+00	2.0E+00	
	Fluorine	mg/l	10	11	1.0E-01	3.4E-01	5.0E-01	6.6E-01
	Gross Alpha	pCi/l	13	15	5.0E-02	1.1E+00	3.0E+00	2.6E+00
	Gross Beta	pCi/l	15	15	1.0E+00	4.6E+00	9.0E+00	9.2E+00
	Gross Gamma	pCi/l	10	14	1.0E+01	1.6E+02	9.0E+02	7.0E+02
	Hardness	mg/l	11	11	5.6E+01	7.7E+01	1.1E+02	1.1E+02
	Iron	µg/l	9	10	2.0E+01	2.7E+03	1.8E+04	1.4E+04

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Pajarito (cont.)	Lead	µg/l	3	10	5.0E-01	1.5E+00	2.0E+00	3.1E+00
	Lithium	mg/l	2	2	4.0E-03	1.6E-02	2.7E-02	4.8E-02
	Magnesium	mg/l	10	11	4.3E+00	5.5E+00	7.3E+00	7.8E+00
	Manganese	µg/l	9	10	2.0E+00	3.1E+02	2.1E+03	1.7E+03
	Mercury	µg/l	1	10	2.0E-01	2.0E-01	2.0E-01	
	Molybdenum	µg/l	5	10	1.0E+00	9.9E+01	3.4E+02	4.0E+02
	Nickel	µg/l	1	10	2.4E+02	2.4E+02	2.4E+02	
	Nitrate, as Nitrogen	mg/l	10	11	4.0E-02	6.4E-01	1.5E+00	1.5E+00
	pH		11	11	6.8E+00		8.5E+00	
	Phosphate, as Phosphorous	mg/l	5	11	2.0E-02	1.5E-01	3.0E-01	3.9E-01
	Plutonium-238	pCi/l	18	31	1.0E-03	9.4E-03	2.2E-02	2.3E-02
	Plutonium-239	pCi/l	20	31	1.0E-03	1.2E-02	4.5E-02	3.3E-02
	Plutonium-240							
	Potassium	mg/l	10	11	1.5E+00	3.3E+00	5.0E+00	5.5E+00
	Selenium	µg/l	1	10	3.0E+00	3.0E+00	3.0E+00	
	Silica	mg/l	11	11	2.9E+01	5.3E+01	7.3E+01	9.0E+01
	Silver	µg/l	3	10	1.0E+00	3.4E+01	9.6E+01	1.4E+02
	Sodium	mg/l	10	11	1.2E+01	1.9E+01	3.1E+01	3.4E+01
	Strontium	µg/l	10	10	1.1E+02	1.8E+02	5.1E+02	4.1E+02
	Strontium-90	pCi/l	7	9	3.0E-01	1.5E+01	1.0E+02	9.0E+01
	Sulfate	mg/l	11	11	4.0E+00	1.1E+01	3.2E+01	2.7E+01
	Thallium	µg/l	1	10	2.0E-01	2.0E-01	2.0E-01	
	Tin	µg/l	3	9	1.0E+01	3.0E+01	6.3E+01	8.8E+01
	Total Dissolved Solids	mg/l	11	11	1.4E+02	2.4E+02	7.5E+02	5.8E+02

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Pajarito (cont.)	Total Suspended Solids	mg/l	6	8	2.0E+00	1.6E+01	4.1E+01	5.5E+01
	Tritium	nCi/l	11	17	1.0E-04	3.7E-01	6.0E-01	7.9E-01
	Uranium	µg/l	11	14	1.0E-01	6.7E-01	1.2E+00	1.6E+00
	Vanadium	µg/l	7	10	1.0E+00	2.8E+01	1.0E+02	9.6E+01
	Zinc	µg/l	6	10	5.0E+00	8.0E+01	2.5E+02	2.6E+02
	Acetone	µg/l	1	5	3.2E+01	3.2E+01	3.2E+01	3.2E+01
	Aluminum	µg/l	13	16	1.6E+02	1.2E+03	3.2E+03	3.2E+03
Pueblo	Americium-241	pCi/l	10	13	6.0E-04	7.2E-02	1.7E-01	1.9E-01
	Antimony	µg/l	4	15	2.0E-01	2.8E-01	4.0E-01	4.7E-01
	Arsenic	µg/l	15	16	2.0E+00	5.6E+00	1.3E+01	1.3E+01
	Barium	µg/l	13	13	6.8E+00	4.2E+02	5.2E+03	3.3E+03
	Beryllium	µg/l	5	16	1.0E+00	2.4E+02	1.2E+03	1.3E+03
	Bicarbonate	mg/l	15	16	3.5E+01	9.0E+01	2.3E+02	1.9E+02
	Bis(2-ethylhexyl) phthalate	µg/l	1	2	8.0E+00	8.0E+00	8.0E+00	
	Boron	µg/l	14	16	2.5E+01	4.3E+02	4.2E+03	2.6E+03
	Cadmium	µg/l	5	16	3.0E-01	2.0E+02	1.0E+03	1.1E+03
	Calcium	mg/l	16	16	9.7E+00	1.7E+01	3.1E+01	2.9E+01
	Cesium-137	pCi/l	23	24	4.9E-01	2.9E+01	3.2E+02	1.8E+02
	Chlorine	mg/l	16	16	2.8E+01	6.0E+01	2.1E+02	1.6E+02
	Chromium	µg/l	12	16	3.2E+00	4.3E+02	5.0E+03	3.3E+03
	Cobalt	µg/l	4	16	5.0E+00	2.2E+02	8.5E+02	1.1E+03
	Copper	µg/l	12	16	2.0E+00	4.6E+02	5.3E+03	3.5E+03
	Cyanide	mg/l	2	8	2.0E-02	3.0E-02	4.0E-02	5.8E-02
	Fluorine	mg/l	16	16	2.0E-01	4.4E-01	9.0E-01	8.3E-01

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Pueblo (cont.)	Gross Alpha	pCi/l	13	21	2.0E-01	1.4E+00	3.0E+00	3.1E+00
	Gross Beta	pCi/l	21	21	2.0E+00	2.1E+01	1.4E+02	7.8E+01
	Gross Gamma	pCi/l	19	24	1.0E+01	1.4E+02	5.0E+02	4.5E+02
	Hardness	mg/l	16	16	3.0E+01	5.5E+01	9.9E+01	1.0E+02
	Iron	µg/l	15	16	2.0E+02	7.9E+02	1.9E+03	1.9E+03
	Lead	µg/l	12	15	1.0E+00	2.6E+00	5.6E+00	5.8E+00
	Lithium	mg/l	2	2	1.0E-02	1.1E-02	1.1E-02	1.2E-02
	Magnesium	mg/l	16	16	1.2E+00	3.1E+00	6.4E+00	6.0E+00
	Manganese	µg/l	16	16	2.0E+00	3.8E+02	5.4E+03	3.1E+03
	Mercury	µg/l	5	16	1.0E-01	2.8E-01	4.0E-01	6.1E-01
	Molybdenum	µg/l	8	16	2.0E+00	1.3E+02	1.0E+03	8.3E+02
	Nickel	µg/l	3	16	3.0E+01	1.9E+03	5.5E+03	8.2E+03
	Nitrate, as Nitrogen	mg/l	13	16	2.5E-01	4.7E+00	1.7E+01	1.6E+01
	pH		16	16	1.7E+00		8.7E+00	
	Phosphate, as Phosphorous	mg/l	12	12	3.0E-01	2.1E+00	8.9E+00	7.6E+00
	Plutonium-238	pCi/l	28	57	1.0E-03	5.1E-02	4.6E-01	2.4E-01
	Plutonium-239, Plutonium-240	pCi/l	49	57	4.0E-03	2.1E+00	5.2E+01	1.9E+01
	Potassium	mg/l	13	13	4.0E+00	9.6E+00	1.5E+01	1.9E+01
	Selenium	µg/l	1	16	1.8E+01	1.8E+01	1.8E+01	
	Silica	mg/l	16	16	1.7E+01	5.0E+01	9.1E+01	1.1E+02
	Silver	µg/l	9	16	4.0E-01	1.3E+02	6.9E+02	6.1E+02
	Sodium	mg/l	16	16	3.6E+01	5.9E+01	8.1E+01	8.7E+01
	Strontium	µg/l	16	16	5.1E+01	4.1E+02	5.3E+03	3.0E+03
	Strontium-90	pCi/l	9	11	5.0E-01	3.3E+00	8.3E+00	9.2E+00

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Pueblo (cont.)	Sulfate	mg/l	16	16	6.0E+00	1.8E+01	3.8E+01	3.8E+01
	Thallium	µg/l	3	16	1.0E-01	2.0E-01	3.0E-01	4.0E-01
	Tin	µg/l	1	12	9.2E+02	9.2E+02	9.2E+02	
Total Dissolved Solids	mg/l	16	16	1.9E+02	3.4E+02	4.7E+02	5.2E+02	
Total Suspended Solids	mg/l	15	16	2.0E+00	1.9E+03	1.5E+04	9.5E+03	
Tritium	nCi/l	19	24	4.0E-04	3.7E-01	1.5E+00	1.0E+00	
Uranium	µg/l	12	20	6.0E-02	3.9E-01	8.0E-01	9.3E-01	
Vanadium	µg/l	10	16	4.0E+00	1.2E+02	1.0E+03	7.4E+02	
Zinc	µg/l	13	16	4.0E+00	1.7E+02	1.3E+03	8.9E+02	
Sandia	Aluminum	µg/l	17	18	1.0E+02	6.9E+02	3.3E+03	2.3E+03
	Americium-241	pCi/l	11	13	2.0E-03	3.6E-02	6.6E-02	8.2E-02
	Antimony	µg/l	6	18	3.0E-01	7.3E-01	1.7E+00	1.7E+00
	Arsenic	µg/l	13	15	4.0E+00	5.5E+00	9.0E+00	8.1E+00
	Barium	µg/l	15	15	2.4E+01	8.3E+01	7.7E+02	4.6E+02
	Beryllium	µg/l	3	18	5.0E-01	4.1E+01	1.2E+02	1.8E+02
	Bicarbonate	mg/l	18	18	8.8E+01	1.2E+02	1.5E+02	1.6E+02
	Boron	µg/l	18	18	4.2E+01	8.7E+01	4.0E+02	2.5E+02
	Cadmium	µg/l	5	15	6.0E-01	3.3E+01	1.5E+02	1.6E+02
	Calcium	mg/l	18	18	1.5E+01	2.5E+01	4.0E+01	3.8E+01
	Carbonate	mg/l	6	18	2.0E+00	7.3E+00	1.5E+01	1.9E+01
	Cesium-137	pCi/l	9	20	5.2E-01	4.1E+01	2.7E+02	2.2E+02
	Chlorine	mg/l	18	18	2.7E+01	5.5E+01	1.1E+02	9.4E+01
	Chromium	µg/l	15	18	1.1E+01	6.6E+01	7.6E+02	4.5E+02
	Cobalt	µg/l	2	15	2.6E+01	9.3E+01	1.6E+02	2.8E+02
	Copper	µg/l	15	18	5.0E+00	6.1E+01	7.5E+02	4.4E+02

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Sandia (cont.)	Cyanide	mg/l	8	15	1.0E-02	2.9E-02	1.1E-01	9.5E-02
	Di-n-butyl phthalate	µg/l	1	2	2.0E+00	2.0E+00	2.0E+00	
	Fluorine	mg/l	18	18	4.0E-01	1.2E+00	2.5E+00	2.5E+00
	Gross Alpha	pCi/l	8	18	1.0E+00	2.8E+01	2.1E+02	1.8E+02
	Gross Beta	pCi/l	18	18	1.0E+00	1.2E+01	3.1E+01	2.6E+01
	Gross Gamma	pCi/l	8	19	2.0E+01	1.9E+02	4.8E+02	5.7E+02
	Hardness	mg/l	18	18	5.5E+01	8.4E+01	1.4E+02	1.3E+02
	Iron	µg/l	18	18	9.0E+01	6.5E+02	2.6E+03	1.8E+03
	Lead	µg/l	13	21	2.0E+00	4.7E+00	1.9E+01	1.5E+01
	Lithium	mg/l	3	3	4.3E-02	4.9E-02	5.9E-02	6.7E-02
	Magnesium	mg/l	18	18	4.0E+00	5.0E+00	7.3E+00	6.5E+00
	Manganese	µg/l	17	18	7.0E+00	1.1E+02	8.0E+02	5.8E+02
	Mercury	µg/l	5	17	1.0E-01	1.4E-01	3.0E-01	3.2E-01
	Molybdenum	µg/l	18	18	6.0E+01	3.7E+02	1.2E+03	1.0E+03
	Nickel	µg/l	4	18	1.0E+01	3.7E+02	7.9E+02	1.2E+03
	Nitrate, as Nitrogen	mg/l	18	18	4.0E-02	4.1E+00	2.0E+01	1.5E+01
	pH		18	18	7.7E+00		8.9E+00	
	Phosphate, as Phosphorous	mg/l	18	18	2.6E-01	3.1E+00	1.6E+01	9.8E+00
	Plutonium-238	pCi/l	11	21	2.0E-03	7.6E-03	2.1E-02	2.0E-02
	Plutonium-239, Plutonium-240	pCi/l	18	21	1.0E-03	1.1E-02	4.4E-02	3.4E-02
	Potassium	mg/l	15	15	3.0E+00	1.1E+01	1.4E+01	1.6E+01
	Selenium	µg/l	4	18	2.0E+00	2.5E+00	3.1E+00	3.7E+00
	Silica	mg/l	21	21	2.4E+01	8.4E+01	1.0E+02	1.2E+02

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Sandia (cont.)	Silver	$\mu\text{g/l}$	11	18	5.0E-01	1.9E+01	6.7E+01	7.9E+01
	Sodium	mg/l	18	18	4.8E+01	8.4E+01	1.1E+02	1.2E+02
	Strontium	$\mu\text{g/l}$	18	18	7.1E+01	1.8E+02	9.1E+02	6.5E+02
	Strontium-90	pCi/l	11	13	6.0E-02	4.4E-01	1.1E+00	1.2E+00
	Sulfate	mg/l	18	18	1.3E+01	6.8E+01	1.1E+02	1.3E+02
	Thallium	$\mu\text{g/l}$	3	18	2.0E-01	2.0E-01	2.0E-01	2.0E-01
	Tin	$\mu\text{g/l}$	6	18	2.0E+01	7.6E+01	2.4E+02	2.6E+02
	Total Dissolved Solids	mg/l	18	18	2.2E+02	4.7E+02	7.6E+02	7.2E+02
	Total Suspended Solids	mg/l	6	6	4.0E+00	9.8E+00	2.2E+01	2.4E+01
	Tritium	nCi/l	15	21	2.0E-04	3.9E-01	1.1E+00	1.1E+00
	Uranium	$\mu\text{g/l}$	15	19	3.0E-01	8.7E-01	4.7E+00	3.1E+00
	Vanadium	$\mu\text{g/l}$	18	18	8.1E+00	2.7E+01	9.0E+01	7.7E+01
	Zinc	$\mu\text{g/l}$	18	18	1.0E+01	7.4E+01	2.1E+02	1.8E+02
Water	Acetone	$\mu\text{g/l}$	1	2	4.9E+01	4.9E+01	4.9E+01	
	Aluminum	$\mu\text{g/l}$	3	3	6.0E+02	5.0E+03	1.2E+04	1.7E+04
	Americium-241	pCi/l	1	2	1.3E-02	1.3E-02	1.3E-02	
	Antimony	$\mu\text{g/l}$	1	3	3.0E-01	3.0E-01	3.0E-01	
	Arsenic	$\mu\text{g/l}$	2	3	2.0E+00	3.0E+00	4.0E+00	5.8E+00
	Barium	$\mu\text{g/l}$	2	2	4.0E+02	4.6E+02	5.2E+02	6.3E+02
	Beryllium	$\mu\text{g/l}$	1	3	1.0E+00	1.0E+00	1.0E+00	
	Bicarbonate	mg/l	3	3	4.8E+01	5.8E+01	6.6E+01	7.7E+01
	Boron	$\mu\text{g/l}$	3	3	3.0E+01	5.6E+01	9.0E+01	1.2E+02
	Cadmium	$\mu\text{g/l}$	2	3	2.1E+00	2.6E+00	3.0E+00	3.8E+00
	Calcium	mg/l	3	3	1.2E+01	1.4E+01	1.6E+01	1.9E+01
	Cesium-137	pCi/l	4	5	7.1E-01	5.7E+01	1.7E+02	2.2E+02

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Water (cont.)								
	Chlorine	mg/l	3	3	9.0E+00	1.8E+01	2.9E+01	3.8E+01
	Fluorine	mg/l	2	3	1.7E-01	1.7E-01	1.7E-01	1.7E-01
	Gross Alpha	pCi/l	3	4	1.0E+00	2.8E+00	5.5E+00	7.6E+00
	Gross Beta	pCi/l	4	4	4.0E+00	6.9E+00	9.0E+00	1.1E+01
	Gross Gamma	pCi/l	3	5	2.4E+01	9.5E+01	1.9E+02	2.6E+02
	Hardness	mg/l	3	3	4.8E+01	5.5E+01	5.9E+01	6.7E+01
	HMX (Octogen)	µg/l	1	1	4.9E+00	4.9E+00	4.9E+00	4.9E+00
	Iron	µg/l	3	3	4.0E+02	2.4E+03	5.6E+03	8.1E+03
	Lead	µg/l	3	3	2.0E+00	2.3E+00	3.0E+00	3.5E+00
	Lithium	mg/l	1	1	5.0E-03	5.0E-03	5.0E-03	
	Magnesium	mg/l	3	3	4.5E+00	4.8E+00	5.0E+00	5.3E+00
	Manganese	µg/l	3	3	1.4E+01	2.3E+01	2.9E+01	4.0E+01
	Nickel	µg/l	1	3	1.0E+01	1.0E+01	1.0E+01	
	Nitrate, as Nitrogen	mg/l	3	3	3.0E-02	4.1E+00	9.6E+00	1.4E+01
	pH		3	3	6.8E+00		7.5E+00	
	Phosphate, as Phosphorous	mg/l	3	3	6.0E-02	1.6E-01	2.2E-01	3.3E-01
	Plutonium-238	pCi/l	7	9	2.4E-03	1.5E-02	2.3E-02	3.0E-02
	Plutonium-239, Plutonium-240	pCi/l	4	9	1.0E-03	4.3E-03	7.3E-03	9.5E-03
	Potassium	mg/l	3	3	3.9E+00	4.4E+00	5.2E+00	5.8E+00
	RDX (Cyclonite)	µg/l	1	1	7.6E-01	7.6E-01	7.6E-01	
	Selenium	µg/l	1	3	4.8E+01	4.8E+01		
	Silica	mg/l	3	3	3.0E+01	3.4E+01	3.8E+01	4.2E+01
	Sodium	mg/l	3	3	1.7E+01	1.8E+01	1.9E+01	2.1E+01
	Strontium	µg/l	3	3	8.8E+01	9.9E+01	1.2E+02	1.4E+02

**TABLE C-3.—Surface Water Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Water (cont.)	Strontium-90	pCi/l	1	2	1.1E+00	1.1E+00	1.1E+00	1.1E+00
	Sulfate	mg/l	3	3	6.0E+00	6.6E+00	7.0E+00	7.8E+00
	Tin	µg/l	2	3	2.6E+01	2.8E+01	3.0E+01	3.4E+01
	Total Dissolved Solids	mg/l	3	3	1.7E+02	1.8E+02	1.9E+02	2.0E+02
	Total Suspended Solids	mg/l	3	3	3.0E+00	1.4E+01	3.6E+01	5.2E+01
	Tritium	nCi/l	4	5	3.0E-04	3.4E-01	8.0E-01	1.0E+00
	Uranium	µg/l	4	4	1.0E-01	4.0E-01	6.2E-01	8.9E-01
	Vanadium	µg/l	1	3	8.0E+00	8.0E+00	8.0E+00	8.0E+00
	Zinc	µg/l	1	2	2.0E+01	2.0E+01	2.0E+01	2.0E+01

^a Watershed includes both on-site and perimeter analyses as designated by the Environmental Surveillance Program.

^b pCi/l is picocuries of radioactive analyte per liter of sample, nCi/l is nanocuries of radioactive analyte per liter of sample, µg/l is micrograms of analyte per liter of sample, mg/l is milligrams of analyte per liter of sample.

^c Upper confidence limit (UCL) not calculated when the number of detected analyses equals 1.

**TABLE C-4.—Sediment Detection Statistics by Location and Analyte
(Environmental Surveillance Report Data 1991 to 1996)**

LOCATION ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
On Site	Aluminum	mg/kg	210	210	6.1E+02	5.5E+03	3.2E+04	1.5E+04
	Americium-241	pCi/g	207	224	1.0E-03	4.6E-01	1.2E+01	3.8E+00
	Antimony	mg/kg	6	211	2.5E-01	3.6E+00	8.0E+00	9.8E+00
	Arsenic	mg/kg	204	214	2.8E-01	1.4E+00	5.5E+00	3.4E+00
	Barium	mg/kg	213	213	6.2E+00	8.0E+01	5.5E+02	2.9E+02
	Beryllium	mg/kg	164	211	2.0E-02	5.8E-01	2.9E+00	1.7E+00
	Bis(2-ethylhexyl) phthalate	µg/kg	2	30	3.5E+02	3.5E+02	3.5E+02	3.5E+02
	Boron	mg/kg	95	210	1.1E+00	8.9E+00	1.2E+02	3.9E+01
	Cadmium	mg/kg	33	214	1.8E-01	6.0E-01	2.3E+00	1.5E+00
	Calcium	mg/kg	21	21	1.8E+02	1.2E+03	4.6E+03	3.9E+03
	Cesium-137	pCi/g	252	294	1.0E-02	1.9E+00	1.1E+02	1.8E+01
	Chromium	mg/kg	210	214	1.1E+00	1.2E+01	1.2E+03	1.8E+02
	Cobalt	mg/kg	201	210	5.2E-01	3.5E+00	1.2E+01	8.4E+00
	Copper	mg/kg	159	211	6.7E-01	4.5E+00	3.3E+01	1.2E+01
	Di-n-butyl phthalate	µg/kg	21	30	3.8E+02	6.0E+02	1.0E+03	9.9E+02
	Gross Alpha	pCi/g	292	292	8.0E-01	5.6E+00	5.4E+01	1.9E+01
	Gross Beta	pCi/g	290	292	5.0E-01	4.8E+00	8.9E+01	1.9E+01
	Gross Gamma	pCi/g	262	296	1.0E+00	5.3E+00	1.1E+02	2.2E+01
	Iron	mg/kg	211	211	2.4E+01	6.2E+03	2.7E+04	1.5E+04
	Lead	mg/kg	167	213	1.0E+00	1.3E+01	1.4E+02	3.8E+01
	Lithium	mg/kg	21	21	1.2E+00	8.0E+00	5.1E+01	2.9E+01
	Magnesium	mg/kg	21	21	1.2E+02	7.2E+02	2.5E+03	2.2E+03
	Manganese	mg/kg	211	211	4.7E+01	2.4E+02	6.6E+02	5.0E+02
	Mercury	mg/kg	50	196	1.0E-02	2.9E-02	2.0E-01	8.7E-02

**TABLE C-4.—Sediment Detection Statistics by Location and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

LOCATION ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
On Site (cont.)	Molybdenum	mg/kg	41	211	3.0E-01	1.9E+00	1.4E+01	6.4E+00
	Nickel	mg/kg	116	210	1.1E+00	6.3E+00	1.6E+01	1.3E+01
	Plutonium-238	pCi/g	265	295	2.0E-04	1.8E-01	6.8E+00	1.7E+00
	Plutonium-239, Plutonium-240	pCi/g	294	295	1.0E-03	4.4E-01	1.7E+01	3.7E+00
	Potassium	mg/kg	20	21	1.3E+02	7.2E+02	2.7E+03	2.3E+03
	Selenium	mg/kg	72	214	1.2E-01	3.7E-01	7.0E-01	6.0E-01
	Silver	mg/kg	16	214	3.5E-01	3.5E+00	1.3E+01	1.0E+01
	Sodium	mg/kg	21	21	3.1E+01	1.3E+02	3.1E+02	3.1E+02
	Strontium	mg/kg	210	210	1.6E+00	2.3E+01	1.0E+03	1.8E+02
	Strontium-90	pCi/g	216	251	1.0E-01	4.2E-01	5.0E+00	1.6E+00
	Thallium	mg/kg	20	211	4.0E-02	1.8E+00	1.8E+01	1.0E+01
	Tin	mg/kg	45	210	2.4E+00	2.2E+01	8.6E+01	7.3E+01
	Tritium	nCi/l ^d	172	244	1.3E-02	3.6E+00	9.4E+01	2.8E+01
	Uranium	mg/kg	283	283	4.0E-01	2.0E+00	4.8E+00	3.8E+00
	Vanadium	mg/kg	208	210	1.5E+00	1.2E+01	1.1E+02	3.9E+01
	Zinc	mg/kg	211	211	6.0E+00	4.4E+01	6.5E+02	1.6E+02
Perimeter	Aluminum	mg/kg	123	123	3.8E+02	4.8E+03	1.9E+04	1.2E+04
	Americium-241	pCi/g	115	124	1.0E-03	3.4E-02	5.3E-01	2.2E-01
	Antimony	mg/kg	4	122	3.0E-02	2.2E-01	7.8E-01	9.7E-01
	Arsenic	mg/kg	111	128	2.1E-01	2.1E+00	6.5E+01	1.5E+01
	Barium	mg/kg	128	128	4.9E+00	6.6E+01	6.0E+02	2.4E+02
	Beryllium	mg/kg	101	123	8.0E-02	4.9E-01	1.8E+00	1.1E+00
	Boron	mg/kg	56	123	5.0E-01	4.5E+00	3.3E+01	1.6E+01
	Cadmium	mg/kg	24	128	2.2E-01	7.6E-01	1.8E+00	1.6E+00
	Calcium	mg/kg	8	8	3.1E+02	4.8E+03	1.3E+04	1.5E+04
	Cesium-137	pCi/g	111	149	2.0E-02	2.8E-01	2.1E+00	9.9E-01

**TABLE C-4.—Sediment Detection Statistics by Location and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

LOCATION ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Perimeter (cont.)								
Chromium	mg/kg	127	127	5.8E-01	4.7E+00	1.5E+01	1.0E+01	
Cobalt	mg/kg	119	123	6.0E-01	3.3E+00	1.8E+01	8.0E+00	
Copper	mg/kg	110	123	5.0E-01	4.5E+00	4.4E+01	1.6E+01	
Cyanide	mg/kg	2	5	7.5E-02	1.5E-01	2.3E-01	3.7E-01	
Gross Alpha	pCi/g	146	146	4.1E-01	3.7E+00	1.4E+01	8.6E+00	
Gross Beta	pCi/g	145	145	3.0E-01	2.9E+00	2.8E+01	8.5E+00	
Gross Gamma	pCi/g	138	149	1.0E+00	4.5E+00	1.5E+01	1.1E+01	
Iron	mg/kg	123	123	5.3E+02	6.8E+03	2.2E+04	1.5E+04	
Lead	mg/kg	109	128	1.0E+00	9.9E+00	3.3E+01	2.3E+01	
Lithium	mg/kg	13	13	2.9E+00	1.1E+01	3.1E+01	2.7E+01	
Magnesium	mg/kg	13	13	2.4E+02	1.3E+03	4.1E+03	3.7E+03	
Manganese	mg/kg	123	123	3.7E+01	2.4E+02	6.4E+02	5.0E+02	
Mercury	mg/kg	32	122	1.0E-02	3.0E-02	1.2E-01	6.7E-02	
Molybdenum	mg/kg	21	123	4.0E-01	1.3E+00	2.5E+00	2.5E+00	
Nickel	mg/kg	82	123	1.5E+00	5.2E+00	1.5E+01	1.1E+01	
Plutonium-238	pCi/g	134	150	3.0E-04	6.7E-03	6.1E-02	2.7E-02	
Plutonium-239, Plutonium-240	pCi/g	149	150	1.0E-03	4.0E-01	1.2E+01	3.7E+00	
Potassium	mg/kg	13	13	2.3E+02	9.7E+02	2.6E+03	2.5E+03	
Selenium	mg/kg	39	127	1.0E-01	2.2E+00	6.8E+01	2.4E+01	
Silver	mg/kg	13	128	1.2E+00	6.6E+00	2.7E+01	2.1E+01	
Sodium	mg/kg	8	8	7.3E+01	1.7E+02	3.6E+02	3.9E+02	
Strontium	mg/kg	121	122	1.4E+00	1.2E+01	9.7E+01	3.7E+01	
Strontium-90	pCi/g	110	140	1.0E-01	2.8E-01	2.9E+00	9.3E-01	
Thallium	mg/kg	23	122	5.0E-02	8.8E-01	6.4E+00	4.3E+00	
Tin	mg/kg	43	122	3.4E+00	1.1E+01	3.5E+01	2.3E+01	
Tritium	nCi/l ^d	95	131	4.7E-02	6.8E-01	3.6E+00	1.9E+00	

**TABLE C-4.—Sediment Detection Statistics by Location and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

LOCATION ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Perimeter (cont.)	Uranium	mg/kg	132	132	3.2E-01	2.1E+00	5.9E+00	4.2E+00
	Vanadium	mg/kg	121	122	2.0E+00	1.0E+01	4.3E+01	2.4E+01
	Zinc	mg/kg	122	122	5.5E+00	3.8E+01	3.3E+02	1.1E+02
Regional	Acetone	µg/kg	1	1	2.6E+01	2.6E+01	2.6E+01	
	Aluminum	mg/kg	45	46	6.8E+02	4.9E+03	1.3E+04	1.1E+04
	Americium-241	pCi/g	43	44	1.0E-03	1.6E-02	1.6E-01	9.3E-02
	Arsenic	mg/kg	49	52	4.1E-01	2.2E+00	5.3E+00	4.5E+00
	Barium	mg/kg	51	52	1.1E+01	1.8E+02	6.4E+02	5.3E+02
	Beryllium	mg/kg	35	46	1.0E-01	4.4E-01	7.7E-01	8.1E-01
	Boron	mg/kg	22	46	1.0E+00	1.0E+01	1.0E+02	5.4E+01
	Butyl benzyl phthalate	µg/kg	1	3	1.7E+03	1.7E+03	1.7E+03	
	Cadmium	mg/kg	16	52	2.9E-01	8.4E-01	1.7E+00	1.7E+00
	Calcium	mg/kg	8	9	1.6E+03	6.8E+03	1.6E+04	1.8E+04
	Cesium-137	pCi/g	51	63	1.0E-02	2.5E-01	7.7E+00	2.4E+00
	Chromium	mg/kg	51	52	5.5E-01	7.1E+00	2.6E+01	1.6E+01
	Cobalt	mg/kg	44	46	6.2E-01	4.2E+00	1.3E+01	8.9E+00
	Copper	mg/kg	37	46	1.2E+00	5.1E+00	1.2E+01	1.0E+01
	Gross Alpha	pCi/g	61	61	8.0E-01	3.6E+00	1.5E+01	8.6E+00
	Gross Beta	pCi/g	61	61	3.0E-01	2.7E+00	6.0E+00	5.0E+00
	Gross Gamma	pCi/g	55	63	1.3E+00	3.2E+00	1.1E+01	7.0E+00
	Iron	mg/kg	44	46	3.8E+02	7.2E+03	1.9E+04	1.6E+04
	Lead	mg/kg	29	52	1.0E-01	6.4E+00	3.2E+01	1.8E+01
	Lithium	mg/kg	4	4	1.2E+00	4.4E+00	1.1E+01	1.3E+01
	Magnesium	mg/kg	4	4	3.3E+02	9.4E+02	2.5E+03	3.0E+03
	Manganese	mg/kg	46	46	2.6E-01	1.8E+02	3.9E+02	3.7E+02
	Mercury	mg/kg	20	52	2.0E-02	3.2E-02	9.7E-02	6.8E-02

**TABLE C-4.—Sediment Detection Statistics by Location and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

LOCATION ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Regional (cont.)	Molybdenum	mg/kg	6	46	1.3E+00	2.4E+00	3.9E+00	4.5E+00
	Nickel	mg/kg	31	46	2.0E+00	7.4E+00	2.2E+01	1.5E+01
	Plutonium-238	pCi/g	53	59	2.0E-04	3.8E-03	1.3E-02	1.0E-02
	Plutonium-239, Plutonium-240	pCi/g	59	59	1.0E-03	4.2E-03	2.4E-02	1.1E-02
	Potassium	mg/kg	4	4	1.3E+02	4.0E+02	1.1E+03	1.3E+03
	Selenium	mg/kg	18	52	1.0E-01	5.3E-01	2.7E+00	1.9E+00
	Silver	mg/kg	6	52	1.0E+00	3.0E+00	5.0E+00	5.5E+00
	Sodium	mg/kg	4	4	3.8E+01	8.5E+01	1.8E+02	2.1E+02
	Strontium	mg/kg	45	46	3.4E+00	5.1E+01	2.2E+02	1.3E+02
	Strontium-90	pCi/g	37	55	1.0E-01	6.4E-01	1.1E+01	4.2E+00
	Thallium	mg/kg	6	46	5.0E-02	7.8E-02	1.0E-01	1.1E-01
	Tin	mg/kg	12	46	8.0E+00	1.3E+01	2.1E+01	2.1E+01
	Tritium	nCi/l ^d	30	58	2.1E-02	2.1E-01	6.0E-01	4.5E-01
	Uranium	mg/kg	61	61	6.1E-01	2.2E+00	1.4E+01	5.7E+00
	Vanadium	mg/kg	45	46	1.5E+00	1.6E+01	4.8E+01	3.5E+01
	Zinc	mg/kg	44	45	6.1E+00	2.2E+01	5.3E+01	4.3E+01

^a On-site, perimeter, and regional locations are in accordance with the Environmental Surveillance Program.

^b pCi/g is picocuries of radioactive analyte per gram of sample, nCi/l is nanocuries of radioactive analyte per liter of sample, µg/kg is micrograms of analyte per kilogram of sample, mg/kg is milligrams of analyte per kilogram of sample.

^c Upper confidence limit (UCL) not calculated when the number of detected analyses equals 1.

^d Tritium is reported as nanocuries of tritium per liter of water because tritium in sediments exists as tritiated water. The water is distilled, and the tritium content of the water is measured.

**TABLE C-5.—Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Ancho	Aluminum	mg/kg	60	60	8.4E+02	9.0E+03	3.2E+04	2.2E+04
	Americium-241	pCi/g	49	61	1.0E-03	3.4E-02	4.2E-01	2.2E-01
	Antimony	mg/kg	3	60	3.0E+00	5.0E+00	8.0E+00	1.0E+01
	Arsenic	mg/kg	59	61	2.8E-01	2.3E+00	5.5E+00	4.7E+00
	Barium	mg/kg	61	61	6.2E+00	1.7E+02	5.5E+02	4.7E+02
	Beryllium	mg/kg	37	60	1.1E-01	1.3E+00	2.9E+00	3.0E+00
	Boron	mg/kg	31	60	1.5E+00	1.1E+01	6.3E+01	3.8E+01
	Cadmium	mg/kg	8	61	3.6E-01	8.2E-01	2.3E+00	2.3E+00
	Calcium	mg/kg	1	1	3.4E+03	3.4E+03	3.4E+03	3.4E+03
	Cesium-137	pCi/g	80	87	4.0E-02	2.7E-01	1.0E+00	6.5E-01
	Chromium	mg/kg	59	61	1.3E+00	3.1E+01	1.2E+03	3.4E+02
	Cobalt	mg/kg	55	60	1.3E+00	5.6E+00	1.2E+01	1.1E+01
	Copper	mg/kg	45	60	1.5E+00	5.4E+00	1.2E+01	1.0E+01
	Di-n-butyl phthalate	µg/kg	1	1	6.5E+02	6.5E+02	6.5E+02	
	Gross Alpha	pCi/g	86	86	1.0E+00	5.4E+00	1.7E+01	1.1E+01
	Gross Beta	pCi/g	86	86	1.0E+00	4.7E+00	1.0E+01	8.7E+00
	Gross Gamma	pCi/g	72	88	1.0E+00	3.2E+00	1.0E+01	7.1E+00
	Iron	mg/kg	60	60	6.0E+02	8.3E+03	2.7E+04	1.9E+04
	Lead	mg/kg	47	61	1.0E+00	1.5E+01	3.4E+01	3.1E+01
	Lithium	mg/kg	1	1	1.2E+01	1.2E+01	1.2E+01	
	Magnesium	mg/kg	1	1	2.2E+03	2.2E+03	2.2E+03	
	Manganese	mg/kg	60	60	4.7E+01	3.3E+02	6.6E+02	6.2E+02
	Mercury	mg/kg	20	61	1.0E-02	2.1E-02	5.0E-02	4.1E-02
	Molybdenum	mg/kg	4	60	6.0E-01	1.9E+00	2.8E+00	3.8E+00
	Nickel	mg/kg	49	60	3.2E+00	8.1E+00	1.6E+01	1.4E+01

**TABLE C-5.—Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Ancho (cont.)	Plutonium-238	pCi/g	67	88	6.0E-04	6.8E-03	4.8E-02	2.5E-02
	Plutonium-239, Plutonium-240	pCi/g	88	88	1.0E-03	7.4E-02	1.7E+00	6.3E-01
	Potassium	mg/kg	1	1	2.0E+03	2.0E+03	2.0E+03	
	Selenium	mg/kg	32	61	1.2E-01	3.5E-01	5.5E-01	6.0E-01
	Silver	mg/kg	2	61	1.7E+00	2.6E+00	3.5E+00	5.2E+00
	Sodium	mg/kg	1	1	2.5E+02	2.5E+02	2.5E+02	
	Strontium	mg/kg	60	60	3.1E+00	5.7E+01	1.0E+03	3.3E+02
	Strontrium-90	pCi/g	57	63	1.0E-01	4.1E-01	2.5E+00	1.2E+00
	Thallium	mg/kg	4	60	2.0E-01	1.4E+00	5.0E+00	6.2E+00
	Tin	mg/kg	14	60	7.0E+00	5.2E+01	8.6E+01	1.1E+02
	Tritium	nCi/l ^d	54	83	1.5E-02	5.9E-01	4.5E+00	2.3E+00
	Uranium	mg/kg	76	76	4.5E-01	2.2E+00	4.8E+00	4.2E+00
	Vanadium	mg/kg	60	60	2.6E+00	2.4E+01	1.1E+02	6.4E+01
	Zinc	mg/kg	60	60	6.0E+00	6.2E+01	6.5E+02	2.5E+02
Bayo	Aluminum	mg/kg	4	4	1.5E+03	2.8E+03	5.9E+03	7.0E+03
	Americium-241	pCi/g	5	5	2.0E-03	2.3E-02	1.1E-01	1.2E-01
	Arsenic	mg/kg	3	4	4.0E-01	5.1E-01	7.3E-01	8.9E-01
	Barium	mg/kg	4	4	2.2E+01	4.5E+01	8.7E+01	1.0E+02
	Beryllium	mg/kg	2	4	1.6E-01	2.7E-01	3.8E-01	5.8E-01
	Boron	mg/kg	1	4	2.9E+00	2.9E+00	2.9E+00	
	Cadmium	mg/kg	1	4	3.9E-01	3.9E-01	3.9E-01	
	Cesium-137	pCi/g	1	6	7.0E-02	7.0E-02	7.0E-02	
	Chromium	mg/kg	4	4	2.8E+00	4.2E+00	6.6E+00	7.5E+00
	Cobalt	mg/kg	4	4	1.1E+00	2.4E+00	4.3E+00	5.1E+00
	Copper	mg/kg	4	4	1.8E+00	3.5E+00	5.5E+00	6.6E+00

TABLE C-5.—*Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued*

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Bayo (cont.)	Gross Alpha	pCi/g	6	6	1.0E+00	1.7E+00	2.0E+00	2.7E+00
	Gross Beta	pCi/g	6	6	9.0E-01	1.5E+00	2.0E+00	2.6E+00
	Gross Gamma	pCi/g	6	6	1.0E+00	3.0E+00	7.0E+00	7.1E+00
	Iron	mg/kg	4	4	1.4E+03	3.4E+03	5.5E+03	6.7E+03
	Lead	mg/kg	1	4	8.0E+00	8.0E+00	8.0E+00	
	Manganese	mg/kg	4	4	9.8E+01	1.2E+02	1.7E+02	1.9E+02
	Molybdenum	mg/kg	1	4	1.4E+00	1.4E+00	1.4E+00	
	Nickel	mg/kg	3	4	2.0E+00	5.2E+00	9.8E+00	1.3E+01
	Plutonium-238	pCi/g	5	6	2.0E-03	7.0E-03	1.1E-02	1.5E-02
	Plutonium-239, Plutonium-240	pCi/g	6	6	2.0E-03	4.2E-03	7.0E-03	8.0E-03
	Strontium	mg/kg	4	4	4.9E+00	1.4E+01	3.9E+01	4.7E+01
	Strontium-90	pCi/g	5	6	1.0E-01	2.4E-01	5.0E-01	5.7E-01
	Tin	mg/kg	1	4	1.3E+01	1.3E+01	1.3E+01	
	Tritium	nCi/d	3	3	3.0E-01	4.6E-01	7.0E-01	8.8E-01
	Uranium	mg/kg	6	6	9.3E-01	2.0E+00	2.8E+00	3.5E+00
	Vanadium	mg/kg	4	4	5.6E+00	9.6E+00	1.5E+01	1.9E+01
	Zinc	mg/kg	4	4	1.1E+01	1.4E+01	2.2E+01	2.5E+01
Cañada del Buey	Aluminum	mg/kg	13	13	1.8E+03	5.0E+03	2.1E+04	1.5E+04
	Americium-241	pCi/g	15	16	2.0E-03	2.6E-02	1.5E-01	9.8E-02
	Arsenic	mg/kg	13	13	3.0E-01	9.5E-01	3.0E+00	2.3E+00
	Barium	mg/kg	13	13	1.7E+01	4.0E+01	8.3E+01	8.0E+01
	Beryllium	mg/kg	9	13	1.1E-01	5.5E-01	1.4E+00	1.4E+00
	Bis(2-ethylhexyl) phthalate	µg/kg	2	9	3.5E+02	3.5E+02	3.5E+02	3.5E+02
	Boron	mg/kg	8	13	1.3E+00	2.5E+00	5.4E+00	5.1E+00

**TABLE C-5.—Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Cañada del Buey (cont.)	Cadmium	mg/kg	4	13	2.0E-01	4.8E-01	1.1E+00	1.3E+00
	Cesium-137	pCi/g	20	24	4.0E-02	2.1E-01	6.0E-01	5.0E-01
	Chromium	mg/kg	13	13	1.4E+00	4.0E+00	1.3E+01	1.0E+01
	Cobalt	mg/kg	13	13	5.2E-01	2.7E+00	4.9E+00	5.6E+00
	Copper	mg/kg	8	13	6.7E-01	2.4E+00	5.2E+00	5.5E+00
	Di-n-butyl phthalate	µg/kg	6	9	4.6E+02	7.1E+02	1.0E+03	1.2E+03
	Gross Alpha	pCi/g	24	24	1.9E+00	4.2E+00	1.0E+01	7.9E+00
	Gross Beta	pCi/g	23	24	1.4E+00	2.8E+00	7.0E+00	5.4E+00
	Gross Gamma	pCi/g	21	24	1.0E+00	5.7E+00	2.1E+01	1.6E+01
	Iron	mg/kg	13	13	2.4E+01	5.2E+03	1.5E+04	1.3E+04
	Lead	mg/kg	11	13	3.4E+00	6.9E+00	9.2E+00	1.0E+01
	Manganese	mg/kg	13	13	8.0E+01	1.9E+02	3.1E+02	3.4E+02
	Mercury	mg/kg	1	13	2.0E-02	2.0E-02	2.0E-02	2.0E-02
	Nickel	mg/kg	8	13	1.1E+00	4.7E+00	1.0E+01	1.0E+01
	Plutonium-238	pCi/g	24	24	1.0E-03	5.7E-02	2.4E-01	2.0E-01
	Plutonium-239, Plutonium-240	pCi/g	24	24	2.0E-03	6.7E-02	2.3E-01	2.1E-01
	Selenium	mg/kg	3	13	3.0E-01	4.0E-01	5.0E-01	6.0E-01
	Strontium	mg/kg	13	13	3.2E+00	7.7E+00	2.0E+01	1.8E+01
	Strontium-90	pCi/g	12	18	1.0E-01	2.2E-01	4.0E-01	4.6E-01
	Thallium	mg/kg	1	13	2.0E-01	2.0E-01	2.0E-01	2.0E-01
	Tin	mg/kg	1	13	8.0E+00	8.0E+00	8.0E+00	8.0E+00
	Tritium	nCi/l ^d	17	19	2.0E-01	1.4E+00	3.7E+00	3.9E+00

TABLE C-5.—*Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued*

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Cañada del Buey (cont.)	Uranium	mg/kg	24	24	4.0E-01	2.0E+00	4.4E+00	4.1E+00
	Vanadium	mg/kg	13	13	1.8E+00	8.2E+00	2.4E+01	2.0E+01
Chaquehui	Zinc	mg/kg	13	13	1.1E+01	2.8E+01	6.0E+01	5.5E+01
	Aluminum	mg/kg	4	4	3.1E+03	6.3E+03	1.2E+04	1.4E+04
Americium-241	Americium-241	pCi/g	3	3	3.0E-03	5.3E-03	1.0E-02	1.3E-02
	Arsenic	mg/kg	4	5	7.0E-01	1.6E+00	3.0E+00	3.9E+00
Barium	Barium	mg/kg	5	5	5.5E+01	1.5E+02	3.2E+02	3.6E+02
	Beryllium	mg/kg	4	4	3.1E-01	5.3E-01	8.9E-01	1.0E+00
Boron	Boron	mg/kg	2	4	3.0E+00	3.7E+00	4.4E+00	5.7E+00
	Cadmium	mg/kg	1	5	1.3E+00	1.3E+00	1.3E+00	
Calcium	Calcium	mg/kg	1	1	4.6E+03	4.6E+03	4.6E+03	
	Cesium-137	pCi/g	5	5	1.0E-01	2.8E-01	6.1E-01	7.2E-01
Chromium	Chromium	mg/kg	5	5	3.1E+00	5.8E+00	9.1E+00	1.1E+01
	Cobalt	mg/kg	4	4	2.6E+00	4.0E+00	5.1E+00	6.1E+00
Copper	Copper	mg/kg	4	4	4.9E+00	7.7E+00	1.3E+01	1.5E+01
	Gross Alpha	pCi/g	5	5	3.0E+00	4.2E+00	9.0E+00	9.6E+00
Gross Beta	Gross Beta	pCi/g	5	5	2.0E+00	3.4E+00	6.0E+00	6.7E+00
	Gross Gamma	pCi/g	5	5	2.6E+00	3.2E+00	4.3E+00	4.5E+00
Iron	Iron	mg/kg	4	4	6.0E+03	1.0E+04	1.4E+04	1.7E+04
	Lead	mg/kg	4	5	3.8E+00	7.7E+00	1.4E+01	1.7E+01
Lithium	Lithium	mg/kg	1	1	1.4E+01	1.4E+01	1.4E+01	
	Magnesium	mg/kg	1	1	2.4E+03	2.4E+03	2.4E+03	
Manganese	Manganese	mg/kg	4	4	1.3E+02	2.6E+02	3.5E+02	4.6E+02
	Mercury	mg/kg	2	5	3.0E-02	4.0E-02	5.0E-02	6.8E-02
Molybdenum	Molybdenum	mg/kg	2	4	1.8E+00	2.9E+00	4.0E+00	6.0E+00

**TABLE C-5.—Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Chaquehui (cont.)	Nickel	mg/kg	4	4	3.8E+00	7.0E+00	1.1E+01	1.3E+01
	Plutonium-238	pCi/g	4	5	1.0E-03	7.0E-03	1.8E-02	2.2E-02
	Plutonium-239, Plutonium-240	pCi/g	5	5	4.0E-03	1.1E-02	2.8E-02	3.1E-02
	Potassium	mg/kg	1	1	2.7E+03	2.7E+03	2.7E+03	
	Selenium	mg/kg	2	5	3.8E-01	4.9E-01	6.0E-01	8.0E-01
	Silver	mg/kg	1	5	1.8E+00	1.8E+00	1.8E+00	
	Sodium	mg/kg	1	1	2.6E+02	2.6E+02	2.6E+02	
	Strontium	mg/kg	4	4	1.0E+01	3.1E+01	6.5E+01	8.1E+01
	Strontium-90	pCi/g	4	4	1.0E-01	3.8E-01	1.0E+00	1.2E+00
	Thallium	mg/kg	2	4	7.0E-02	1.6E-01	2.5E-01	4.1E-01
Frijoles	Tin	mg/kg	1	4	9.6E+00	9.6E+00	9.6E+00	
	Tritium	nCi/l ^d	3	5	3.0E-01	1.1E+01	2.8E+01	4.1E+01
	Uranium	mg/kg	5	5	1.4E+00	2.2E+00	2.9E+00	3.4E+00
	Vanadium	mg/kg	4	4	6.5E+00	1.4E+01	2.0E+01	2.5E+01
	Zinc	mg/kg	4	4	1.9E+01	3.4E+01	4.7E+01	6.2E+01
	Aluminum	mg/kg	9	9	3.8E+02	5.8E+03	1.5E+04	1.6E+04
	Americium-241	pCi/g	7	9	3.0E-03	2.4E-02	1.4E-01	1.2E-01
	Arsenic	mg/kg	7	10	2.1E-01	1.5E+00	4.0E+00	4.5E+00
	Barium	mg/kg	10	10	4.9E+00	7.0E+01	2.1E+02	2.2E+02
	Beryllium	mg/kg	8	9	1.0E-01	4.9E-01	1.2E+00	1.3E+00
	Boron	mg/kg	3	9	8.6E-01	1.5E+00	1.9E+00	2.6E+00
	Cadmium	mg/kg	2	10	2.2E-01	3.8E-01	5.4E-01	8.3E-01
	Calcium	mg/kg	1	1	1.3E+04	1.3E+04	1.3E+04	
	Cesium-137	pCi/g	10	12	7.0E-02	2.0E-01	5.0E-01	4.8E-01
	Chromium	mg/kg	10	10	5.8E-01	4.7E+00	1.3E+01	1.3E+01

TABLE C-5.—*Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued*

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Frijoles (cont.)	Cobalt	mg/kg	9	9	7.3E-01	3.0E+00	6.7E+00	7.1E+00
	Copper	mg/kg	7	9	1.0E+00	5.9E+00	1.4E+01	1.5E+01
	Gross Alpha	pCi/g	11	11	4.1E-01	2.2E+00	4.0E+00	4.4E+00
	Gross Beta	pCi/g	11	11	1.0E+00	1.8E+00	5.0E+00	4.1E+00
	Gross Gamma	pCi/g	12	12	2.0E+00	3.5E+00	7.0E+00	6.6E+00
	Iron	mg/kg	9	9	8.2E+02	6.7E+03	1.6E+04	1.7E+04
	Lead	mg/kg	8	10	3.0E+00	9.5E+00	2.0E+01	2.3E+01
	Lithium	mg/kg	1	1	2.0E+01	2.0E+01	2.0E+01	
	Magnesium	mg/kg	1	1	4.1E+03	4.1E+03	4.1E+03	
	Manganese	mg/kg	9	9	3.7E+01	2.7E+02	6.4E+02	6.9E+02
	Mercury	mg/kg	3	10	2.0E-02	3.0E-02	4.0E-02	5.0E-02
	Nickel	mg/kg	5	9	1.5E+00	5.4E+00	1.1E+01	1.3E+01
	Plutonium-238	pCi/g	9	12	4.0E-04	5.0E-03	1.6E-02	1.6E-02
	Plutonium-239, Plutonium-240	pCi/g	12	12	2.0E-03	6.0E-03	2.0E-02	1.5E-02
	Potassium	mg/kg	1	1	2.6E+03	2.6E+03	2.6E+03	
	Selenium	mg/kg	4	10	6.0E-01	7.8E-01	1.1E+00	1.2E+00
	Silver	mg/kg	2	10	2.4E+00	1.5E+01	2.7E+01	4.9E+01
	Sodium	mg/kg	1	1	3.6E+02	3.6E+02	3.6E+02	
	Strontium	mg/kg	9	9	1.4E+00	1.9E+01	6.3E+01	6.1E+01
	Strontium-90	pCi/g	8	10	1.0E-01	3.0E-01	1.3E+00	1.1E+00
	Thallium	mg/kg	1	9	3.0E-01	3.0E-01	3.0E-01	
	Tin	mg/kg	3	9	3.6E+00	5.6E+00	7.1E+00	9.1E+00
	Tritium	nCi/l ^d	5	11	1.0E-01	3.6E-01	9.6E-01	1.0E+00
	Uranium	mg/kg	12	12	1.2E+00	2.3E+00	4.6E+00	4.1E+00

**TABLE C-5.—Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Guaje	Vanadium	mg/kg	8	9	2.0E+00	1.1E+01	2.3E+01	2.7E+01
	Zinc	mg/kg	9	9	5.5E+00	3.5E+01	8.1E+01	8.5E+01
	Aluminum	mg/kg	4	4	1.7E+03	2.9E+03	5.5E+03	6.4E+03
	Americium-241	pCi/g	3	5	1.0E-03	1.7E-03	2.0E-03	2.8E-03
	Arsenic	mg/kg	4	4	4.0E-01	4.9E-01	6.0E-01	6.6E-01
	Barium	mg/kg	4	4	2.1E+01	3.5E+01	5.3E+01	6.8E+01
	Beryllium	mg/kg	2	4	1.7E-01	2.6E-01	3.4E-01	5.0E-01
	Cadmium	mg/kg	1	4	3.2E-01	3.2E-01	3.2E-01	
	Cesium-137	pCi/g	4	6	4.0E-02	7.5E-02	1.0E-01	1.4E-01
	Chromium	mg/kg	4	4	2.7E+00	6.1E+00	1.2E+01	1.4E+01
	Cobalt	mg/kg	4	4	2.2E+00	2.5E+00	3.0E+00	3.2E+00
	Copper	mg/kg	3	4	2.4E+00	4.3E+00	7.3E+00	9.6E+00
	Gross Alpha	pCi/g	6	6	1.7E+00	2.3E+00	3.0E+00	3.4E+00
	Gross Beta	pCi/g	6	6	1.0E+00	1.7E+00	3.0E+00	3.2E+00
	Gross Gamma	pCi/g	6	6	1.0E+00	3.2E+00	9.0E+00	9.1E+00
	Iron	mg/kg	4	4	6.2E+02	7.4E+03	1.7E+04	2.1E+04
	Lead	mg/kg	2	4	6.0E+00	7.2E+00	8.3E+00	1.0E+01
	Manganese	mg/kg	4	4	8.8E+01	1.7E+02	3.2E+02	3.8E+02
	Molybdenum	mg/kg	1	4	1.4E+00	1.4E+00	1.4E+00	
	Nickel	mg/kg	3	4	3.1E+00	5.9E+00	9.1E+00	1.2E+01
	Plutonium-238	pCi/g	6	6	1.0E-03	6.3E-03	1.5E-02	1.8E-02
	Plutonium-239, Plutonium-240	pCi/g	6	6	1.0E-03	3.5E-02	1.9E-01	1.9E-01

TABLE C-5.—*Sediment Detection Statistics by Watershed and Analyte*
(Environmental Surveillance Report Data 1991 to 1996)-Continued

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Guaje (cont.)	Selenium	mg/kg	1	4	5.0E-01	5.0E-01	5.0E-01	5.0E-01
	Silver	mg/kg	1	4	2.9E+00	2.9E+00	2.9E+00	2.9E+00
	Strontium	mg/kg	4	4	5.7E+00	1.2E+01	2.5E+01	3.0E+01
	Strontium-90	pCi/g	6	6	1.0E-01	6.3E-01	2.9E+00	2.9E+00
	Tin	mg/kg	1	4	8.2E+00	8.2E+00	8.2E+00	8.2E+00
	Tritium	nCi/l ^d	3	3	1.0E-01	4.3E-01	1.0E+00	1.4E+00
	Uranium	mg/kg	6	6	1.5E+00	2.0E+00	2.4E+00	2.6E+00
	Vanadium	mg/kg	4	4	5.5E+00	1.6E+01	3.3E+01	4.0E+01
	Zinc	mg/kg	4	4	1.2E+01	3.2E+01	7.5E+01	9.0E+01
	Aluminum	mg/kg	59	59	6.1E+02	2.9E+03	7.1E+03	6.5E+03
Los Alamos	Americium-241	pCi/g	61	62	1.0E-03	1.1E-01	4.9E-01	3.6E-01
	Arsenic	mg/kg	53	59	3.2E-01	2.1E+00	6.5E+01	2.0E+01
	Barium	mg/kg	59	59	7.2E+00	3.3E+01	2.6E+02	1.0E+02
	Beryllium	mg/kg	47	59	1.1E-01	2.9E-01	5.7E-01	5.5E-01
	Boron	mg/kg	19	59	5.0E-01	8.3E+00	3.7E+01	3.2E+01
	Cadmium	mg/kg	3	59	4.6E-01	6.0E-01	8.0E-01	9.6E-01
	Calcium	mg/kg	8	8	1.8E+02	5.3E+02	1.0E+03	1.1E+03
	Cesium-137	pCi/g	58	72	2.0E-02	9.2E-01	4.0E+00	2.8E+00
	Chromium	mg/kg	57	58	1.1E+00	3.4E+00	1.5E+01	8.1E+00
	Cobalt	mg/kg	56	59	7.7E-01	2.7E+00	1.3E+01	6.8E+00
Gross Alpha	Copper	mg/kg	46	59	1.0E+00	3.6E+00	1.1E+01	8.0E+00
	Gross Alpha	pCi/g	73	73	8.0E-01	2.5E+00	6.1E+00	4.9E+00
	Gross Beta	pCi/g	71	72	5.0E-01	2.2E+00	6.0E+00	5.0E+00
	Gross Gamma	pCi/g	63	73	1.0E+00	4.1E+00	1.4E+01	1.1E+01
	Iron	mg/kg	59	59	5.3E+02	4.2E+03	2.2E+04	1.1E+04
Lead	Lead	mg/kg	48	59	2.0E+00	1.1E+01	2.8E+01	2.2E+01

**TABLE C-5.—Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Los Alamos (cont.)	Lithium	mg/kg	8	8	1.2E+00	3.5E+00	5.4E+00	6.2E+00
	Magnesium	mg/kg	8	8	1.2E+02	4.0E+02	7.2E+02	8.2E+02
	Manganese	mg/kg	59	59	5.4E+01	1.5E+02	4.0E+02	2.9E+02
	Mercury	mg/kg	14	51	1.0E-02	3.5E-02	1.2E-01	1.0E-01
	Molybdenum	mg/kg	13	59	3.3E-01	8.4E-01	1.8E+00	1.9E+00
	Nickel	mg/kg	27	59	2.1E+00	4.5E+00	1.5E+01	1.1E+01
	Plutonium-238	pCi/g	69	72	3.0E-04	1.6E-02	6.4E-02	4.7E-02
	Plutonium-239, Plutonium-240	pCi/g	71	72	1.0E-03	1.5E-01	1.3E+00	4.9E-01
	Potassium	mg/kg	7	8	1.3E+02	3.3E+02	5.5E+02	6.1E+02
	Selenium	mg/kg	18	59	1.9E-01	4.2E+00	6.8E+01	3.6E+01
Mortandad	Silver	mg/kg	8	59	3.5E-01	7.5E+00	1.5E+01	1.7E+01
	Sodium	mg/kg	8	8	3.1E+01	8.1E+01	1.3E+02	1.7E+02
	Strontium	mg/kg	59	59	1.8E+00	7.8E+00	4.1E+01	2.1E+01
	Strontium-90	pCi/g	64	73	1.0E-01	3.3E-01	4.0E+00	1.3E+00
	Thallium	mg/kg	2	59	1.0E-01	3.5E-01	6.0E-01	1.1E+00
	Tin	mg/kg	13	59	3.4E+00	8.3E+00	1.3E+01	1.4E+01
	Tritium	nCi/l ^d	32	51	1.0E-01	7.9E-01	5.4E+00	2.7E+00
	Uranium	mg/kg	71	71	7.7E-01	1.8E+00	4.4E+00	3.4E+00
	Vanadium	mg/kg	58	59	1.6E+00	6.6E+00	4.2E+01	1.8E+01
	Zinc	mg/kg	59	59	8.0E+00	2.8E+01	9.3E+01	5.7E+01
	Aluminum	mg/kg	87	87	8.5E+02	5.5E+03	1.9E+04	1.3E+04
Americium-241	Americium-241	pCi/g	83	86	1.0E-03	1.0E+00	1.2E+01	6.1E+00
	Antimony	mg/kg	5	86	3.0E-02	1.3E-01	3.0E-01	4.0E-01
	Arsenic	mg/kg	81	88	3.0E-01	1.5E+00	4.6E+00	3.2E+00
	Barium	mg/kg	88	88	9.8E+00	6.0E+01	5.2E+02	1.8E+02
	Beryllium	mg/kg	80	87	1.1E-01	5.3E-01	1.8E+00	1.2E+00
	Boron	mg/kg	47	87	1.0E+00	7.3E+00	1.2E+02	4.2E+01

**TABLE C-5.—Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Mortandad (cont.)	Cadmium	mg/kg	15	88	1.8E-01	7.4E-01	1.7E+00	1.5E+00
	Calcium	mg/kg	8	8	2.9E+02	1.5E+03	5.7E+03	5.3E+03
	Cesium-137	pCi/g	85	101	3.0E-02	4.7E+00	1.1E+02	3.2E+01
	Chromium	mg/kg	88	88\	8.1E-01	4.2E+00	1.1E+01	8.9E+00
	Cobalt	mg/kg	86	87	5.9E-01	3.2E+00	1.8E+01	8.1E+00
	Copper	mg/kg	72	87	5.0E-01	5.4E+00	4.4E+01	1.9E+01
	Cyanide	mg/kg	2	5	7.5E-02	1.5E-01	2.3E-01	3.7E-01
	Gross Alpha	pCi/g	98	98	1.0E+00	8.6E+00	5.4E+01	2.9E+01
	Gross Beta	pCi/g	98	98	1.0E+00	8.0E+00	8.9E+01	3.1E+01
	Gross Gamma	pCi/g	95	101	1.0E+00	9.2E+00	1.1E+02	3.5E+01
	Iron	mg/kg	87	87	5.0E+02	6.6E+03	1.8E+04	1.4E+04
	Lead	mg/kg	69	88	1.0E+00	1.1E+01	2.6E+01	2.0E+01
	Lithium	mg/kg	13	13	2.6E+00	7.8E+00	1.3E+01	1.6E+01
	Magnesium	mg/kg	13	13	1.8E+02	7.2E+02	2.9E+03	2.2E+03
	Manganese	mg/kg	87	87	7.9E+01	2.7E+02	6.4E+02	5.2E+02
	Mercury	mg/kg	19	81	1.0E-02	2.9E-02	5.0E-02	4.9E-02
	Molybdenum	mg/kg	23	87	4.5E-01	1.4E+00	2.6E+00	2.8E+00
	Nickel	mg/kg	50	87	1.6E+00	5.4E+00	1.3E+01	9.8E+00
	Plutonium-238	pCi/g	96	102	3.0E-04	4.6E-01	6.8E+00	2.9E+00
	Plutonium-239, Plutonium-240	pCi/g	101	102	1.0E-03	1.0E+00	1.7E+01	6.4E+00
	Potassium	mg/kg	13	13	1.5E+02	6.9E+02	2.2E+03	1.8E+03
	Selenium	mg/kg	25	87	2.0E-01	3.9E-01	7.3E-01	6.6E-01
	Silver	mg/kg	3	88	5.3E-01	1.1E+00	1.9E+00	2.5E+00
	Sodium	mg/kg	8	8	4.2E+01	9.0E+01	2.6E+02	2.4E+02
	Strontium	mg/kg	85	86	1.6E+00	1.1E+01	3.6E+01	2.6E+01

**TABLE C-5.—Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Mortandad (cont.)	Strontium-90	pCi/g	87	99	1.0E-01	4.5E-01	3.9E+00	1.7E+00
	Thallium	mg/kg	21	86	5.0E-02	4.9E-01	5.0E+00	2.8E+00
	Tin	mg/kg	32	86	4.0E+00	1.2E+01	3.5E+01	2.5E+01
	Tritium	nCi/l ^d	68	90	1.0E-01	6.4E+00	9.4E+01	4.3E+01
	Uranium	mg/kg	88	88	3.2E-01	2.2E+00	5.4E+00	4.4E+00
Pajarito	Vanadium	mg/kg	85	86	1.5E+00	8.8E+00	2.4E+01	1.9E+01
	Zinc	mg/kg	86	86	9.3E+00	4.3E+01	3.3E+02	1.2E+02
	Aluminum	mg/kg	30	30	1.0E+03	5.0E+03	1.5E+04	1.1E+04
	Americium-241	pCi/g	36	37	1.0E-03	9.5E-03	4.9E-02	3.2E-02
	Arsenic	mg/kg	29	31	3.2E-01	1.2E+00	3.0E+00	2.3E+00
	Barium	mg/kg	31	31	1.1E+01	6.3E+01	5.3E+02	2.5E+02
	Beryllium	mg/kg	26	30	1.1E-01	3.6E-01	7.4E-01	7.4E-01
	Boron	mg/kg	19	30	1.4E+00	4.0E+00	2.2E+01	1.3E+01
	Cadmium	mg/kg	7	31	2.0E-01	5.8E-01	1.8E+00	1.7E+00
	Calcium	mg/kg	1	1	5.6E+02	5.6E+02	5.6E+02	
	Cesium-137	pCi/g	44	52	3.0E-02	2.2E-01	1.2E+00	6.1E-01
	Chromium	mg/kg	30	31	1.6E+00	5.1E+00	1.4E+01	1.0E+01
	Cobalt	mg/kg	29	30	6.5E-01	3.1E+00	1.1E+01	7.5E+00
	Copper	mg/kg	25	30	9.5E-01	3.0E+00	1.2E+01	7.7E+00
	Di-n-butyl phthalate	µg/kg	12	18	3.9E+02	5.7E+02	8.7E+02	9.1E+02
	Gross Alpha	pCi/g	52	52	1.0E+00	4.5E+00	1.3E+01	8.9E+00
	Gross Beta	pCi/g	52	52	7.0E-01	3.0E+00	7.0E+00	5.9E+00
	Gross Gamma	pCi/g	49	52	1.0E+00	3.7E+00	1.3E+01	8.6E+00
	Iron	mg/kg	30	30	2.0E+03	7.3E+03	1.6E+04	1.4E+04
	Lead	mg/kg	25	31	1.2E+00	1.7E+01	1.4E+02	7.1E+01

TABLE C-5.—*Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued*

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Pajarito (cont.)	Lithium	mg/kg	1	1	3.0E+00	3.0E+00	3.0E+00	3.0E+00
	Magnesium	mg/kg	1	1	3.9E+02	3.9E+02	3.9E+02	3.9E+02
	Manganese	mg/kg	30	30	4.6E+01	2.3E+02	6.2E+02	4.7E+02
	Mercury	mg/kg	6	31	1.0E-02	2.3E-02	4.0E-02	4.4E-02
	Molybdenum	mg/kg	5	30	5.0E-01	2.4E+00	5.5E+00	6.1E+00
	Nickel	mg/kg	15	30	3.0E+00	4.8E+00	9.9E+00	8.7E+00
	Plutonium-238	pCi/g	50	52	1.0E-03	7.6E-03	3.6E-02	2.2E-02
	Plutonium-239, Plutonium-240	pCi/g	52	52	1.0E-03	2.9E-02	2.3E-01	1.2E-01
	Potassium	mg/kg	1	1	2.7E+02	2.7E+02	2.7E+02	2.7E+02
	Selenium	mg/kg	9	31	1.0E-01	3.2E-01	5.0E-01	6.3E-01
	Sodium	mg/kg	1	1	8.0E+01	8.0E+01	8.0E+01	8.0E+01
	Strontium	mg/kg	30	30	2.2E+00	9.4E+00	3.1E+01	2.1E+01
	Strontium-90	pCi/g	30	39	1.0E-01	2.2E-01	9.0E-01	5.4E-01
	Thallium	mg/kg	3	30	2.0E-01	3.7E-01	6.5E-01	8.6E-01
	Tin	mg/kg	2	30	6.0E+00	9.0E+00	1.2E+01	1.7E+01
	Tritium	nCi/l ^d	42	49	7.5E-02	1.9E+00	6.6E+00	6.0E+00
	Uranium	mg/kg	52	52	6.0E-01	1.9E+00	4.5E+00	3.8E+00
	Vanadium	mg/kg	30	30	1.8E+00	9.9E+00	2.5E+01	2.0E+01
	Zinc	mg/kg	30	30	9.2E+00	5.2E+01	3.9E+02	1.9E+02
Potrillo	Aluminum	mg/kg	2	2	5.0E+03	6.1E+03	7.3E+03	9.3E+03
	Americium-241	pCi/g	3	3	2.0E-03	4.3E-03	7.0E-03	9.4E-03
	Arsenic	mg/kg	2	2	1.6E+00	1.7E+00	1.7E+00	1.8E+00
	Barium	mg/kg	2	2	6.7E+01	7.0E+01	7.3E+01	7.7E+01
	Beryllium	mg/kg	2	2	2.7E-01	5.2E-01	7.6E-01	1.2E+00
	Boron	mg/kg	1	2	2.8E+00	2.8E+00	2.8E+00	2.8E+00

**TABLE C-5.—Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Potrillo (cont.)	Cadmium	mg/kg	1	2	5.4E-01	5.4E-01	5.4E-01	5.4E-01
	Cesium-137	pCi/g	3	3	1.0E-01	2.1E-01	4.0E-01	5.4E-01
	Chromium	mg/kg	2	2	3.1E+00	4.7E+00	6.3E+00	9.2E+00
	Cobalt	mg/kg	2	2	2.0E+00	2.5E+00	2.9E+00	3.7E+00
	Copper	mg/kg	2	2	3.2E+00	4.2E+00	5.2E+00	7.0E+00
	Gross Alpha	pCi/g	3	3	4.0E+00	4.4E+00	4.8E+00	5.2E+00
	Gross Beta	pCi/g	3	3	3.5E+00	3.8E+00	4.0E+00	4.3E+00
	Gross Gamma	pCi/g	3	3	3.0E+00	4.6E+00	6.0E+00	7.6E+00
	Iron	mg/kg	2	2	5.9E+03	6.7E+03	7.6E+03	9.1E+03
	Lead	mg/kg	2	2	5.7E+00	7.6E+00	9.4E+00	1.3E+01
	Manganese	mg/kg	2	2	2.0E+02	2.1E+02	2.3E+02	2.5E+02
	Mercury	mg/kg	1	2	2.0E-02	2.0E-02	2.0E-02	
	Molybdenum	mg/kg	1	2	1.1E+00	1.1E+00	1.1E+00	
	Nickel	mg/kg	2	2	4.0E+00	5.3E+00	6.5E+00	8.8E+00
	Plutonium-238	pCi/g	3	3	1.0E-03	1.2E-02	2.9E-02	4.2E-02
	Plutonium-239, Plutonium-240	pCi/g	3	3	5.0E-03	8.7E-03	1.1E-02	1.5E-02
	Selenium	mg/kg	1	2	7.0E-01	7.0E-01	7.0E-01	
	Strontium	mg/kg	2	2	1.0E+01	1.1E+01	1.2E+01	1.4E+01
	Strontium-90	pCi/g	3	3	2.0E-01	3.0E-01	4.0E-01	5.0E-01
	Thallium	mg/kg	2	2	3.0E-01	4.5E-01	6.0E-01	8.7E-01
	Tin	mg/kg	1	2	2.4E+00	2.4E+00	2.4E+00	
	Tritium	nCi/l ^d	2	3	1.3E-02	6.6E-01	1.3E+00	2.5E+00
	Uranium	mg/kg	3	3	1.8E+00	2.5E+00	3.2E+00	3.8E+00
	Vanadium	mg/kg	2	2	6.3E+00	8.2E+00	1.0E+01	1.4E+01
	Zinc	mg/kg	2	2	2.4E+01	2.9E+01	3.5E+01	4.4E+01

**TABLE C-5.—Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Pueblo	Aluminum	mg/kg	30	30	1.1E+03	3.0E+03	6.3E+03	6.7E+03
	Americium-241	pCi/g	29	31	2.0E-03	1.0E-01	5.3E-01	4.2E-01
	Antimony	mg/kg	1	31	6.0E+00	6.0E+00	6.0E+00	
	Arsenic	mg/kg	29	31	3.5E-01	7.7E-01	1.6E+00	1.4E+00
	Barium	mg/kg	30	30	1.2E+01	2.9E+01	9.2E+01	6.0E+01
	Beryllium	mg/kg	22	31	2.0E-02	3.5E-01	7.0E-01	7.2E-01
	Boron	mg/kg	7	30	3.6E+00	1.0E+01	2.3E+01	2.7E+01
	Cadmium	mg/kg	6	31	5.0E-01	6.7E-01	8.0E-01	9.0E-01
	Calcium	mg/kg	6	6	3.1E+02	8.8E+02	2.7E+03	2.7E+03
	Cesium-137	pCi/g	29	37	1.0E-02	2.5E-01	3.1E+00	1.4E+00
	Chromium	mg/kg	31	31	1.4E+00	3.3E+00	1.3E+01	8.1E+00
	Cobalt	mg/kg	28	30	9.4E-01	2.8E+00	7.1E+00	6.3E+00
	Copper	mg/kg	27	31	1.1E+00	4.0E+00	3.3E+01	1.6E+01
	Gross Alpha	pCi/g	37	37	2.0E+00	4.3E+00	1.4E+01	1.0E+01
	Gross Beta	pCi/g	37	37	3.0E-01	1.8E+00	4.0E+00	3.5E+00
	Gross Gamma	pCi/g	33	37	1.0E+00	4.2E+00	1.5E+01	1.1E+01
	Iron	mg/kg	31	31	7.5E+02	6.3E+03	2.5E+04	1.8E+04
	Lead	mg/kg	29	30	4.1E+00	1.5E+01	6.0E+01	3.9E+01
	Lithium	mg/kg	6	6	2.9E+00	1.4E+01	5.1E+01	5.1E+01
	Magnesium	mg/kg	6	6	2.4E+02	4.9E+02	1.2E+03	1.2E+03
	Manganese	mg/kg	31	31	4.7E+01	2.4E+02	6.5E+02	5.1E+02
	Mercury	mg/kg	7	25	1.0E-02	4.9E-02	2.0E-01	1.8E-01
	Molybdenum	mg/kg	7	31	3.0E-01	3.3E+00	1.4E+01	1.3E+01

**TABLE C-5.—Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Pueblo (cont.)	Nickel	mg/kg	9	30	1.5E+00	4.3E+00	9.4E+00	1.1E+01
	Plutonium-238	pCi/g	35	37	2.0E-04	1.4E-02	6.1E-02	4.6E-02
	Plutonium-239, Plutonium-240	pCi/g	37	37	2.7E-03	1.7E+00	1.2E+01	7.7E+00
	Potassium	mg/kg	6	6	2.3E+02	5.1E+02	1.0E+03	1.1E+03
	Selenium	mg/kg	8	31	2.0E-01	3.8E-01	5.0E-01	6.1E-01
	Silver	mg/kg	5	31	6.0E-01	2.6E+00	4.0E+00	5.3E+00
	Sodium	mg/kg	6	6	8.7E+01	1.8E+02	3.1E+02	3.6E+02
	Strontium	mg/kg	30	30	2.3E+00	7.3E+00	3.8E+01	2.1E+01
	Strontium-90	pCi/g	29	37	1.0E-01	4.7E-01	5.0E+00	2.3E+00
	Thallium	mg/kg	1	31	1.8E+01	1.8E+01	1.8E+01	
	Tin	mg/kg	9	30	3.1E+00	9.1E+00	1.5E+01	1.6E+01
	Tritium	nCi/l ^d	17	27	1.0E-01	6.8E-01	3.6E+00	2.3E+00
	Uranium	mg/kg	36	36	7.7E-01	2.2E+00	5.9E+00	4.3E+00
	Vanadium	mg/kg	30	30	2.5E+00	6.7E+00	1.7E+01	1.4E+01
	Zinc	mg/kg	31	31	1.3E+01	4.6E+01	1.4E+02	1.1E+02
Sandia	Aluminum	mg/kg	17	17	1.6E+03	3.2E+03	7.1E+03	6.2E+03
	Americium-241	pCi/g	17	17	1.0E-03	1.6E-02	2.4E-01	1.3E-01
	Antimony	mg/kg	1	17	7.8E-01	7.8E-01	7.8E-01	
	Arsenic	mg/kg	17	18	4.0E-01	1.4E+00	1.0E+01	5.8E+00
	Barium	mg/kg	18	18	1.6E+01	4.8E+01	3.0E+02	1.8E+02
	Beryllium	mg/kg	15	17	8.0E-02	3.4E-01	6.0E-01	6.5E-01
	Boron	mg/kg	7	17	1.0E+00	2.7E+00	3.7E+00	4.6E+00
	Cadmium	mg/kg	3	18	3.0E-01	7.7E-01	1.2E+00	1.7E+00
	Calcium	mg/kg	1	1	7.0E+03	7.0E+03		
	Cesium-137	pCi/g	9	20	4.0E-02	1.2E-01	3.0E-01	2.8E-01

**TABLE C-5.—Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Sandia (cont.)	Chromium	mg/kg	18	18	2.5E+00	6.4E+00	1.2E+01	1.2E+01
	Cobalt	mg/kg	17	17	8.0E-01	2.5E+00	6.0E+00	5.2E+00
	Copper	mg/kg	15	17	1.6E+00	2.9E+00	5.6E+00	5.4E+00
	Di-n-butyl phthalate	µg/kg	1	1	4.4E+02	4.4E+02	4.4E+02	
	Gross Alpha	pCi/g	19	19	2.0E+00	2.7E+00	5.0E+00	4.3E+00
	Gross Beta	pCi/g	19	19	1.0E+00	1.7E+00	3.0E+00	3.0E+00
	Gross Gamma	pCi/g	20	20	1.0E+00	2.7E+00	1.0E+01	6.8E+00
	Iron	mg/kg	17	17	1.8E+03	5.7E+03	1.8E+04	1.5E+04
	Lead	mg/kg	17	18	3.0E+00	7.5E+00	1.3E+01	1.5E+01
	Lithium	mg/kg	1	1	3.1E+01	3.1E+01	3.1E+01	
	Magnesium	mg/kg	1	1	2.6E+03	2.6E+03	2.6E+03	
	Manganese	mg/kg	17	17	9.7E+01	2.0E+02	3.5E+02	3.9E+02
	Mercury	mg/kg	2	15	2.0E-02	2.0E-02	2.0E-02	2.0E-02
	Molybdenum	mg/kg	4	17	6.0E-01	1.3E+00	1.8E+00	2.2E+00
	Nickel	mg/kg	12	17	2.0E+00	4.4E+00	1.1E+01	1.1E+01
	Plutonium-238	pCi/g	17	20	1.0E-03	3.6E-03	1.3E-02	1.0E-02
	Plutonium-239, Plutonium-240	pCi/g	20	20	1.0E-03	2.6E-03	5.0E-03	5.3E-03
	Potassium	mg/kg	1	1	1.7E+03	1.7E+03	1.7E+03	
	Selenium	mg/kg	4	18	3.0E-01	4.3E-01	6.0E-01	7.3E-01
	Silver	mg/kg	5	18	2.0E+00	4.6E+00	8.0E+00	9.3E+00
	Sodium	mg/kg	1	1	2.6E+02	2.6E+02	2.6E+02	
	Strontium	mg/kg	17	17	2.6E+00	8.2E+00	2.9E+01	2.2E+01
	Strontium-90	pCi/g	10	18	1.0E-01	2.5E-01	8.0E-01	6.6E-01
	Thallium	mg/kg	5	17	6.0E-02	3.6E+00	8.2E+00	1.1E+01
	Tin	mg/kg	7	17	4.0E+00	9.4E+00	1.8E+01	1.9E+01

**TABLE C-5.—Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Sandia (cont.)	Tritium	nCi/l ^d	12	17	1.0E-01	1.1E+00	2.7E+00	2.9E+00
	Uranium	mg/kg	18	18	7.0E-01	1.7E+00	3.4E+00	3.0E+00
	Vanadium	mg/kg	17	17	2.7E+00	9.3E+00	4.3E+01	3.0E+01
	Zinc	mg/kg	17	17	1.8E+01	3.2E+01	7.7E+01	6.9E+01
Water	Aluminum	mg/kg	10	10	6.6E+02	6.3E+03	2.1E+04	1.9E+04
	Americium-241	pCi/g	10	10	1.0E-03	1.4E-02	1.1E-01	7.9E-02
	Arsenic	mg/kg	10	11	4.0E-01	1.2E+00	2.4E+00	2.8E+00
	Barium	mg/kg	11	11	1.4E+01	9.6E+01	2.5E+02	2.8E+02
	Beryllium	mg/kg	8	10	1.7E-01	5.6E-01	1.3E+00	1.3E+00
	Boron	mg/kg	5	10	2.5E+00	8.1E+00	2.5E+01	2.7E+01
	Cadmium	mg/kg	3	11	3.6E-01	5.4E-01	7.0E-01	8.9E-01
	Calcium	mg/kg	1	1	3.7E+03	3.7E+03	3.7E+03	3.7E+03
	Cesium-137	pCi/g	11	13	8.0E-02	2.4E-01	7.0E-01	6.3E-01
	Chromium	mg/kg	11	11	2.0E+00	4.5E+00	1.2E+01	1.2E+01
	Cobalt	mg/kg	9	10	1.5E+00	3.2E+00	6.5E+00	7.5E+00
	Copper	mg/kg	8	10	9.7E-01	4.8E+00	1.2E+01	1.3E+01
	Di-n-butyl phthalate	µg/kg	1	1	3.8E+02	3.8E+02	3.8E+02	
	Gross Alpha	pCi/g	13	13	2.0E+00	3.7E+00	8.7E+00	8.4E+00
	Gross Beta	pCi/g	13	13	1.0E+00	2.9E+00	7.0E+00	7.1E+00
	Gross Gamma	pCi/g	12	13	1.5E+00	3.7E+00	9.0E+00	7.7E+00
	Iron	mg/kg	10	10	1.5E+03	6.7E+03	1.6E+04	1.6E+04
	Lead	mg/kg	10	11	1.5E+00	9.3E+00	1.7E+01	1.9E+01
	Lithium	mg/kg	1	1	1.3E+01	1.3E+01	1.3E+01	
	Magnesium	mg/kg	1	1	2.5E+03	2.5E+03	2.5E+03	
	Manganese	mg/kg	10	10	4.3E+01	2.0E+02	3.9E+02	4.3E+02

**TABLE C-5.—Sediment Detection Statistics by Watershed and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

WATERSHED ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Water (cont.)	Mercury	mg/kg	5	11	1.0E-02	2.4E-02	4.0E-02	4.7E-02
	Molybdenum	mg/kg	1	10	1.8E+00	1.8E+00	1.8E+00	
	Nickel	mg/kg	7	10	1.9E+00	5.8E+00	1.1E+01	1.2E+01
	Plutonium-238	pCi/g	10	13	1.0E-03	2.1E-03	7.0E-03	6.1E-03
	Plutonium-239, Plutonium-240	pCi/g	13	13	2.0E-03	6.4E-03	1.4E-02	1.4E-02
	Potassium	mg/kg	1	1	2.5E+03	2.5E+03	2.5E+03	
	Selenium	mg/kg	2	11	4.0E-01	4.5E-01	5.0E-01	5.9E-01
	Silver	mg/kg	1	11	1.7E+00	1.7E+00	1.7E+00	
	Sodium	mg/kg	1	1	2.9E+02	2.9E+02	2.9E+02	
	Strontium	mg/kg	10	10	2.9E+00	2.2E+01	9.5E+01	7.8E+01
	Strontium-90	pCi/g	10	12	1.0E-01	1.7E-01	4.0E-01	3.8E-01
	Thallium	mg/kg	1	10	4.0E-02	4.0E-02	4.0E-02	
	Tin	mg/kg	2	10	6.0E+00	8.0E+00	1.0E+01	1.4E+01
	Tritium	nCi/l ^d	6	9	4.7E-02	2.6E+00	1.5E+01	1.4E+01
	Uranium	mg/kg	13	13	6.5E-01	1.7E+00	2.9E+00	2.9E+00
	Vanadium	mg/kg	10	10	3.2E+00	8.3E+00	2.4E+01	2.2E+01
	Zinc	mg/kg	10	10	1.4E+01	2.9E+01	4.7E+01	5.4E+01

^a Watershed includes both on-site and perimeter analyses as designated by the Environmental Surveillance Program.

^b pCi/g is picocuries of radioactive analyte per gram of sample, nCi/l is nanocuries of radioactive analyte per liter of sample, mg/kg is micrograms of analyte per kilogram of sample.

^c mg/kg is milligrams of analyte per kilogram of sample.

^c Upper confidence limit (UCL) not calculated when the number of detected analyses equals 1.

^d Tritium is reported as nanocuries of tritium per liter (nCi/l) of water because tritium in sediments exists as tritiated water. The water is distilled, and the tritium content of the water is measured.

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Alluvial Groundwater Wells	Acetone	µg/l	5	40	2.0E+00	7.4E+00	2.1E+01	2.3E+01
	Actinium-228	pCi/l	3	6	1.2E+00	6.2E+00	9.8E+00	1.5E+01
	Aluminum	µg/l	61	174	2.5E+01	9.8E+03	2.4E+05	6.7E+04
	Americium-241	pCi/l	166	201	9.0E-04	2.9E+00	9.4E+01	2.6E+01
	Ammonia, as Nitrogen	mg/l	4	11	3.0E-02	1.0E-01	2.4E-01	2.9E-01
	Antimony	µg/l	22	171	2.0E-01	1.4E+00	3.0E+00	2.9E+00
	Arsenic	µg/l	77	172	1.0E+00	9.2E+00	8.3E+01	3.9E+01
	Barium	µg/l	139	159	3.0E-02	2.6E+02	3.1E+03	1.3E+03
	Barium-140	pCi/l	17	23	6.7E-01	7.0E+00	1.9E+01	1.6E+01
	Benzidine [m-]	µg/l	1	27	2.0E+01	2.0E+01	2.0E+01	
Beryllium	Beryllium	µg/l	36	171	3.0E-01	6.0E+00	3.0E+01	2.0E+01
	Bicarbonate	mg/l	145	146	2.6E+01	1.1E+02	3.2E+02	2.2E+02
	Bis(2-ethylhexyl) phthalate	µg/l	2	38	4.0E+00	6.0E+00	8.0E+00	1.2E+01
	Bismuth-211	pCi/l	2	6	3.3E+01	4.1E+01	4.8E+01	6.1E+01
	Bismuth-212	pCi/l	5	6	2.2E+01	3.8E+01	7.6E+01	8.5E+01
	Bismuth-214	pCi/l	1	6	8.3E+00	8.3E+00	8.3E+00	
	Boron	µg/l	134	181	1.3E+01	8.0E+01	5.0E+02	2.3E+02
Cadmium	Cadmium	µg/l	23	173	2.0E-01	4.7E+00	3.6E+01	2.1E+01
	Cadmium-109	pCi/l	5	6	2.5E+01	4.0E+01	5.7E+01	6.9E+01
	Calcium	mg/l	174	174	6.0E+00	2.7E+01	3.2E+02	8.8E+01
	Carbonate	mg/l	2	147	1.0E+00	2.0E+00	3.0E+00	4.8E+00
	Cerium-139	pCi/l	2	6	5.5E-02	2.8E-01	5.0E-01	9.1E-01

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Alluvial Groundwater Wells (cont.)	Cerium-144	pCi/l	33	51	2.8E-01	3.3E+01	1.6E+02	1.2E+02
	Cesium-134	pCi/l	1	6	2.4E-01	2.4E-01	2.4E-01	2.4E-01
	Cesium-137	pCi/l	103	165	1.3E-02	1.4E+01	2.6E+02	1.0E+02
	Chlorine	mg/l	150	150	6.0E+00	3.6E+01	4.5E+02	1.2E+02
	Chloro-3-methylphenol [4-]	µg/l	1	38	2.0E+01	2.0E+01	2.0E+01	
	Chloromethane	µg/l	1	40	1.1E+01	1.1E+01	1.1E+01	
	Chlorophenol [o-]	µg/l	1	38	1.0E+01	1.0E+01	1.0E+01	
	Chromium	µg/l	67	171	1.1E+00	4.4E+02	7.7E+03	3.5E+03
	Cobalt	µg/l	29	174	3.1E+00	1.6E+01	7.1E+01	5.0E+01
	Cobalt-57	pCi/l	23	34	1.4E-01	4.7E+00	1.8E+01	1.5E+01
Cobalt-60	pCi/l	45	51	1.4E-01	1.1E+01	4.6E+01	3.6E+01	
Copper	µg/l	63	174	1.3E+00	3.8E+01	8.7E+02	2.6E+02	
Cyanide	mg/l	15	138	1.0E-02	2.6E-02	6.0E-02	5.6E-02	
Dichlorophenol [2,4-]	µg/l	1	38	1.0E+01	1.0E+01	1.0E+01		
Dimethylphenol [2,4-]	µg/l	1	38	1.0E+01	1.0E+01	1.0E+01		
Di-n-butyl phthalate	µg/l	2	38	1.1E+01	1.2E+01	1.2E+01	1.3E+01	
Dinitrophenol [2,4-]	µg/l	1	38	5.0E+01	5.0E+01	5.0E+01		
Europium-152	pCi/l	40	51	9.8E-01	2.9E+01	1.2E+02	1.0E+02	
Fluorine	mg/l	161	169	1.0E-01	9.3E-01	2.2E+00	2.1E+00	
Gross Alpha	pCi/l	134	166	2.0E-01	1.2E+01	1.4E+02	6.0E+01	
Gross Beta	pCi/l	164	166	2.0E+00	7.3E+01	6.3E+02	3.0E+02	
Gross Gamma	pCi/l	135	160	2.0E+00	1.2E+02	9.0E+02	3.8E+02	

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Alluvial Groundwater Wells (cont.)	Hardness	mg/l	125	125	2.0E+01	1.0E+02	1.1E+03	3.7E+02
	Iodine-129	pCi/l	2	7	7.7E-01	1.9E+00	3.1E+00	5.3E+00
	Iron	µg/l	161	174	4.0E+01	7.5E+03	1.9E+05	5.4E+04
	Lanthanum-140	pCi/l	1	6	3.8E+02	3.8E+02	3.8E+02	
	Lead	µg/l	68	176	6.0E-01	3.2E+01	4.1E+02	1.6E+02
	Lead-210	pCi/l	4	6	1.5E+02	1.0E+03	1.7E+03	2.3E+03
	Lead-211	pCi/l	3	6	1.8E+00	1.2E+01	2.6E+01	3.7E+01
	Lead-212	pCi/l	3	6	1.2E-01	3.8E+00	6.2E+00	1.0E+01
	Lead-214	pCi/l	2	6	5.0E+00	7.9E+00	1.1E+01	1.6E+01
	Lithium	mg/l	63	94	1.0E-03	3.1E-02	1.3E-01	8.2E-02
Magnesium	mg/l		154	174	1.4E+00	6.1E+00	7.7E+01	2.1E+01
Manganese	µg/l		127	174	7.0E-01	8.4E+02	1.4E+04	5.5E+03
Manganese-54	pCi/l		2	6	5.2E-01	5.2E-01	5.3E-01	5.3E-01
Mercury	µg/l		41	173	3.0E-02	9.5E-01	1.4E+01	6.0E+00
Mercury-203	pCi/l		6	6	9.9E-02	1.7E+00	3.2E+00	4.1E+00
Methyl-4,6-dinitrophenol [2-]	µg/l		1	38	5.0E+01	5.0E+01	5.0E+01	
Methylphenol [2-]	µg/l		1	38	1.0E+01	1.0E+01	1.0E+01	
Methylphenol [4-]	µg/l		1	38	1.0E+01	1.0E+01	1.0E+01	
Molybdenum	µg/l		114	175	2.0E-01	1.9E+02	1.0E+03	6.6E+02
Neptunium-237	pCi/l		32	51	4.9E-02	2.5E+01	1.1E+02	9.1E+01
Nickel	µg/l		39	174	1.1E+00	3.1E+01	1.7E+02	1.0E+02
Nitrate, as Nitrogen	mg/l		156	184	4.0E-02	1.2E+01	6.6E+01	4.5E+01
Nitrite, as Nitrogen	mg/l		4	11	2.0E-02	4.5E-02	9.0E-02	1.1E-01
Nitrophenol [2-]	µg/l		1	38	1.0E+01	1.0E+01	1.0E+01	

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Alluvial Groundwater Wells (cont.)	Nitrophenol [4-]	µg/l	1	38	5.0E+01	5.0E+01	5.0E+01	5.0E+01
	Pentachlorophenol	µg/l	2	38	1.1E+01	3.1E+01	5.0E+01	8.6E+01
	pH		150	150	1.0E-01		9.0E+00	
	Phenol	µg/l	1	38	1.0E+01	1.0E+01	1.0E+01	1.0E+01
	Phosphate, as Phosphorous	mg/l	122	129	2.0E-02	7.4E-01	2.9E+01	6.2E+00
	Phosphorous	mg/l	17	29	4.3E-02	6.7E-01	4.8E+00	3.8E+00
	Plutonium-238	pCi/l	117	167	1.0E-03	7.5E-02	2.4E+00	6.3E-01
	Plutonium-239, Plutonium-240	pCi/l	149	167	1.0E-03	1.7E-01	7.6E+00	1.8E+00
	Potassium	mg/l	165	171	1.0E+00	1.2E+01	3.6E+01	2.8E+01
	Potassium-40	pCi/l	24	34	2.2E+00	2.9E+02	1.3E+03	9.3E+02
Protactinium-231	Protactinium-231	pCi/l	4	6	6.5E+00	1.0E+01	1.5E+01	1.8E+01
	Protactinium-233	pCi/l	3	6	1.5E-01	6.6E-01	1.3E+00	1.8E+00
	Protactinium-234M	pCi/l	5	6	2.9E+01	2.5E+02	5.0E+02	6.2E+02
	Pyridine	µg/l	2	5	1.0E+01	1.0E+01	1.0E+01	1.0E+01
	Radium-223	pCi/l	2	6	2.8E+00	5.5E+00	8.3E+00	1.3E+01
Radium-224	Radium-224	pCi/l	1	6	3.2E+01	3.2E+01	3.2E+01	3.2E+01
	Radium-226	pCi/l	5	6	2.5E+01	9.4E+01	1.8E+02	2.2E+02
	Radon-219	pCi/l	2	6	5.9E-01	5.8E+00	1.1E+01	2.1E+01
	Ruthenium-106	pCi/l	23	51	2.1E+00	3.2E+01	1.5E+02	1.0E+02
	Selenium	µg/l	30	172	1.0E+00	1.8E+01	9.0E+01	7.6E+01
Selenium-75	Selenium-75	pCi/l	3	6	3.3E-01	9.6E-01	1.8E+00	2.5E+00
	Silica	mg/l	148	148	2.0E+01	4.2E+01	1.6E+02	7.4E+01
	Silver	µg/l	19	173	3.0E-01	1.6E+01	1.7E+02	9.2E+01

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Alluvial Groundwater Wells (cont.)	Sodium	mg/l	174	174	4.0E+00	5.6E+01	1.6E+02	1.2E+02
	Sodium-22	pCi/l	38	51	2.9E-02	7.5E+00	3.3E+01	2.3E+01
	Strontium	µg/l	175	175	4.8E+01	1.6E+02	1.5E+03	4.4E+02
	Strontium-85	pCi/l	2	6	3.5E+00	3.5E+00	3.5E+00	3.6E+00
	Strontium-90	pCi/l	141	151	1.0E-01	2.2E+01	3.7E+02	1.0E+02
	Sulfate	mg/l	172	172	2.0E+00	1.5E+01	1.5E+02	4.5E+01
	Thallium	µg/l	27	170	4.0E-02	1.3E+00	6.0E+00	4.0E+00
	Thorium-208	pCi/l	3	6	9.4E-02	3.3E+00	6.8E+00	1.0E+01
	Thorium-227	pCi/l	3	6	5.8E+00	8.7E+00	1.3E+01	1.7E+01
	Thorium-234	pCi/l	2	6	6.0E+00	1.6E+02	3.1E+02	5.8E+02
Tin	µg/l	10	160	1.0E+01	3.3E+01	7.0E+01	7.0E+01	
Tin-113	pCi/l	3	6	6.7E-01	1.1E+00	1.6E+00	2.0E+00	
Total Dissolved Solids	mg/l	152	152	1.1E+01	3.1E+02	1.4E+03	6.7E+02	
Total Kjeldahl Nitrogen	mg/l	9	11	4.0E-02	6.8E-01	2.5E+00	2.2E+00	
Total Suspended Solids	mg/l	32	59	1.0E+00	8.6E+01	8.6E+02	4.5E+02	
Trichlorobenzene [1,2,4-]	µg/l	1	44	5.0E+00	5.0E+00	5.0E+00		
Trichlorophenol [2,4,5-]	µg/l	1	38	5.0E+01	5.0E+01	5.0E+01		
Trichlorophenol [2,4,6-]	µg/l	1	38	1.0E+01	1.0E+01	1.0E+01		
Tritium	nCi/l	145	167	2.9E-02	1.2E+01	1.1E+02	4.9E+01	
Turbidity	NTU	27	27	3.5E-01	6.2E+00	8.0E+01	3.7E+01	
Uranium	µg/l	150	167	2.0E-02	2.0E+00	5.0E+01	1.1E+01	

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Alluvial Groundwater Wells (cont.)	Vanadium	$\mu\text{g/l}$	64	171	1.7E+00	3.1E+01	3.5E+02	1.3E+02
	Yttrium-88	pCi/l	3	6	1.0E+00	1.7E+00	2.3E+00	3.0E+00
	Zinc	$\mu\text{g/l}$	96	174	9.0E-02	9.2E+01	1.6E+03	4.7E+02
Springs (Threemile Spring)	Zinc-65	pCi/l	5	6	7.8E-01	1.2E+00	1.6E+00	2.0E+00
	Bicarbonate	mg/l	1	1	5.7E+01	5.7E+01	5.7E+01	
	Calcium	mg/l	1	1	1.1E+01	1.1E+01	1.1E+01	
	Chlorine	mg/l	1	1	6.3E+00	6.3E+00	6.3E+00	
	Fluorine	mg/l	1	1	1.5E-01	1.5E-01	1.5E-01	
	Hardness	mg/l	1	1	4.3E+01	4.3E+01	4.3E+01	
	Magnesium	mg/l	1	1	3.9E+00	3.9E+00	3.9E+00	
	pH		1	1	6.6E+00	6.6E+00	6.6E+00	
	Phosphate, as Phosphorous	mg/l	1	1	4.0E-02	4.0E-02	4.0E-02	
	Potassium	mg/l	1	1	3.2E+00	3.2E+00	3.2E+00	
Intermediate Perched Groundwater Wells	Silica	mg/l	1	1	3.5E+01	3.5E+01	3.5E+01	
	Sodium	mg/l	1	1	1.0E+01	1.0E+01	1.0E+01	
	Sulfate	mg/l	1	1	5.1E+00	5.1E+00	5.1E+00	
	Total Dissolved Solids	mg/l	1	1	1.5E+02	1.5E+02	1.5E+02	
	Aluminum	$\mu\text{g/l}$	4	13	4.0E+01	3.9E+03	1.5E+04	1.9E+04
	Americium-241	pCi/l	6	8	1.1E-02	4.8E-02	1.1E-01	1.3E-01
	Antimony	$\mu\text{g/l}$	3	13	1.0E-01	4.5E+01	1.3E+02	2.0E+02
	Arsenic	$\mu\text{g/l}$	5	13	2.0E+00	4.7E+00	7.0E+00	9.0E+00
	Barium	$\mu\text{g/l}$	9	11	3.0E+01	6.1E+01	1.7E+02	1.5E+02
	Beryllium	$\mu\text{g/l}$	1	13	3.0E+00	3.0E+00	3.0E+00	
	Bicarbonate	mg/l	13	13	5.3E+01	9.7E+01	1.6E+02	1.6E+02

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Intermediate Perched Groundwater Wells (cont.)	Boron	µg/l	12	13	3.0E+01	1.4E+02	2.3E+02	2.8E+02
	Cadmium	µg/l	4	13	4.0E-01	5.7E+00	1.0E+01	1.4E+01
	Calcium	mg/l	13	13	1.0E+01	2.8E+01	3.8E+01	4.6E+01
	Cesium-137	pCi/l	8	13	3.2E-01	1.0E+01	5.6E+01	4.9E+01
	Chlorine	mg/l	13	13	4.6E+00	3.9E+01	6.1E+01	7.2E+01
	Chromium	µg/l	2	13	1.6E+00	4.0E+00	6.4E+00	1.1E+01
	Cobalt	µg/l	1	13	9.0E+00	9.0E+00	9.0E+00	
	Copper	µg/l	5	13	8.0E+00	3.2E+01	5.5E+01	7.0E+01
	Fluorine	mg/l	13	13	2.0E-01	4.7E-01	9.0E-01	1.0E+00
	Gross Alpha	pCi/l	5	13	1.0E+00	1.8E+00	3.0E+00	3.5E+00
Gross Beta	pCi/l	13	13	1.2E+00	8.8E+00	5.2E+01	3.5E+01	
	Gross Gamma	pCi/l	10	13	1.0E+01	9.5E+01	2.4E+02	2.3E+02
	Hardness	mg/l	13	13	3.3E+01	9.5E+01	1.2E+02	1.6E+02
	Iron	µg/l	13	13	4.5E+02	8.1E+03	5.7E+04	3.9E+04
	Lead	µg/l	11	15	4.6E+00	3.5E+01	9.1E+01	1.1E+02
	Lithium	mg/l	2	2	1.3E-02	2.4E-02	3.5E-02	5.5E-02
	Magnesium	mg/l	13	13	1.8E+00	6.6E+00	8.6E+00	1.0E+01
	Manganese	µg/l	13	13	5.6E+01	1.6E+02	6.8E+02	4.8E+02
	Mercury	µg/l	3	13	2.0E-01	3.7E-01	7.0E-01	9.4E-01
	Molybdenum	µg/l	6	13	5.0E+00	1.8E+01	6.2E+01	6.2E+01
Groundwater Regime C-69	Nickel	µg/l	2	13	2.0E+01	3.1E+01	4.1E+01	6.0E+01
	Nitrate, as Nitrogen	mg/l	11	13	9.0E-02	5.5E+00	1.9E+01	1.8E+01
	pH		9	9	6.9E+00		8.6E+00	
	Phosphate, as Phosphorous	mg/l	10	11	1.0E-01	1.1E+00	4.1E+00	3.9E+00

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Intermediate Perched Groundwater Wells (cont.)	Plutonium-238	pCi/l	6	16	3.0E-03	1.2E-02	3.0E-02	3.3E-02
	Plutonium-239, Plutonium-240	pCi/l	10	16	7.0E-03	1.5E-01	1.3E+00	9.5E-01
	Potassium	mg/l	12	13	1.6E+00	5.1E+00	9.6E+00	9.8E+00
	Selenium	µg/l	1	13	2.0E+00	2.0E+00	2.0E+00	
	Silica	mg/l	12	13	7.0E+00	4.2E+01	6.8E+01	8.1E+01
	Sodium	mg/l	13	13	1.8E+01	4.3E+01	8.8E+01	8.4E+01
	Strontium	µg/l	12	13	3.3E+01	1.5E+02	2.1E+02	2.6E+02
	Strontium-90	pCi/l	6	9	1.0E-01	3.9E+00	2.1E+01	2.0E+01
	Sulfate	mg/l	12	13	7.3E+00	2.1E+01	3.1E+01	3.7E+01
	Thallium	µg/l	2	13	1.0E-01	6.0E-01	1.1E+00	2.0E+00
	Tin	µg/l	1	11	7.0E+01	7.0E+01	7.0E+01	
	Total Dissolved Solids	mg/l	11	13	1.8E+02	2.6E+02	3.3E+02	3.6E+02
	Total Suspended Solids	mg/l	2	4	7.6E+00	9.3E+00	1.1E+01	1.4E+01
	Tritium	nCi/l	13	13	1.8E-01	1.3E+00	3.1E+00	3.7E+00
	Uranium	µg/l	11	13	8.0E-02	6.4E-01	3.3E+00	2.5E+00
	Vanadium	µg/l	4	13	2.0E+00	1.2E+01	3.0E+01	3.7E+01
Spring from Basalt (Basalt Spring)	Zinc	µg/l	12	13	8.2E+01	2.7E+03	9.5E+03	9.0E+03
	Aluminum	µg/l	5	6	6.0E+01	6.5E+02	2.3E+03	2.5E+03
	Americium-241	pCi/l	2	5	3.0E-02	3.4E-02	3.8E-02	4.5E-02
	Antimony	µg/l	4	6	4.0E-01	7.5E-01	1.0E+00	1.4E+00
	Arsenic	µg/l	5	6	3.0E+00	6.0E+00	1.3E+01	1.4E+01
	Barium	µg/l	5	5	4.8E+01	7.3E+01	1.1E+02	1.2E+02
	Bicarbonate	mg/l	6	6	5.3E+01	9.7E+01	1.2E+02	1.5E+02

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Spring from Basalt (Basalt Spring) (cont.)	Boron	µg/l	6	6	8.0E+01	1.7E+02	2.7E+02	3.5E+02
	Bromine	µg/l	1	1	8.0E+01	8.0E+01	8.0E+01	
	Calcium	mg/l	6	6	1.2E+01	2.6E+01	3.7E+01	4.4E+01
	Cesium-137	pCi/l	4	6	1.2E+00	4.9E+00	1.3E+01	1.6E+01
	Chlorine	mg/l	6	6	2.1E+01	3.2E+01	4.5E+01	5.0E+01
	Chloroethane	µg/l	1	2	2.1E+01	2.1E+01	2.1E+01	
	Chromium	µg/l	3	6	1.5E+00	3.2E+00	5.0E+00	6.7E+00
	Cobalt	µg/l	1	6	1.5E+01	1.5E+01	1.5E+01	
	Copper	µg/l	4	6	3.0E+00	9.3E+00	1.7E+01	2.3E+01
	Cyanide	mg/l	1	4	2.3E-02	2.3E-02	2.3E-02	
Fluorine	Fluorine	mg/l	6	6	3.0E-01	4.7E-01	8.0E-01	8.2E-01
	Gross Alpha	pCi/l	4	6	1.0E+00	2.4E+00	4.0E+00	5.6E+00
	Gross Beta	pCi/l	6	6	5.0E+00	8.2E+00	1.3E+01	1.4E+01
	Gross Gamma	pCi/l	5	6	2.0E+01	6.4E+01	1.9E+02	2.1E+02
	Hardness	mg/l	6	6	4.3E+01	8.7E+01	1.3E+02	1.5E+02
	Iron	µg/l	6	6	3.0E+01	3.9E+02	1.5E+03	1.5E+03
	Lead	µg/l	4	7	1.0E+00	2.3E+00	5.2E+00	6.3E+00
	Magnesium	mg/l	6	6	3.1E+00	6.2E+00	9.4E+00	1.1E+01
	Manganese	µg/l	5	6	1.7E+01	1.8E+02	6.4E+02	7.0E+02
	Mercury	µg/l	3	6	1.0E-01	4.3E-01	8.0E-01	1.1E+00
Nitrite, as Nitrogen	Molybdenum	µg/l	4	6	3.0E+00	2.2E+01	6.9E+01	8.5E+01
	Nickel	µg/l	1	6	3.4E+01	3.4E+01	3.4E+01	
	Nitrate, as Nitrogen	mg/l	7	7	1.3E+00	5.3E+00	1.5E+01	1.6E+01
	Nitrite, as Nitrogen	mg/l	1	1	9.2E-01	9.2E-01	9.2E-01	
	pH		6	6	6.7E+00	8.3E+00		

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
(Basalt Spring) (cont.)	Phosphate	mg/l	1	1	5.7E+00	5.7E+00	5.7E+00	
	Phosphate, as Phosphorous	mg/l	5	5	2.0E-01	3.0E+00	6.9E+00	8.3E+00
	Plutonium-238	pCi/l	3	6	1.2E-02	1.3E-02	1.4E-02	1.5E-02
	Plutonium-239, Plutonium-240	pCi/l	5	6	1.4E-02	5.5E-02	1.4E-01	1.6E-01
	Potassium	mg/l	5	5	4.0E+00	8.1E+00	1.2E+01	1.5E+01
	Silica	mg/l	7	7	5.0E+01	6.1E+01	8.1E+01	8.5E+01
	Silver	µg/l	1	6	1.0E+00	1.0E+00	1.0E+00	
	Sodium	mg/l	6	6	2.7E+01	4.2E+01	6.7E+01	7.4E+01
	Strontium	µg/l	6	6	6.0E+01	1.4E+02	2.0E+02	2.5E+02
	Strontium-90	pCi/l	4	5	4.0E-01	5.0E-01	7.0E-01	7.8E-01
Total Dissolved Solids	Sulfate	mg/l	6	6	8.7E+00	2.1E+01	3.4E+01	3.7E+01
	Thallium	µg/l	2	6	4.0E-02	2.2E-01	4.0E-01	7.3E-01
	Total Dissolved Solids	mg/l	6	6	2.5E+02	3.2E+02	3.8E+02	4.1E+02
	Total Suspended Solids	mg/l	2	2	3.7E+00	1.7E+01	3.0E+01	5.4E+01
	Tritium	nCi/l	5	6	2.0E-01	4.2E-01	8.0E-01	9.6E-01
	Uranium	µg/l	6	6	5.9E-01	1.0E+00	2.1E+00	2.2E+00
	Vanadium	µg/l	6	6	7.0E+00	1.2E+01	1.9E+01	2.2E+01
	Zinc	µg/l	3	6	1.0E+01	2.1E+01	3.0E+01	4.1E+01

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Supply Wells	Acetone	µg/l	1	2	4.1E+01	4.1E+01	4.1E+01	
	Aluminum	µg/l	12	79	3.0E+01	3.5E+02	1.9E+03	1.4E+03
	Americium-241	pCi/l	40	53	2.0E-03	3.5E-02	1.1E-01	8.4E-02
	Antimony	µg/l	14	79	3.0E-01	1.4E+00	4.0E+00	3.3E+00
	Arsenic	µg/l	48	79	2.0E+00	1.3E+01	4.8E+01	4.1E+01
	Barium	µg/l	57	64	3.0E+00	4.9E+01	2.9E+02	1.5E+02
	Beryllium	µg/l	6	79	1.0E+00	1.3E+00	2.0E+00	2.4E+00
	Bicarbonate	mg/l	78	78	4.7E+01	1.1E+02	3.0E+02	2.2E+02
	Boron	µg/l	57	79	8.0E+00	8.1E+01	5.0E+02	2.9E+02
	Bromine	µg/l	2	2	1.0E+02	1.1E+02	1.1E+02	1.2E+02
Cadmium	Cadmium	µg/l	4	79	1.8E+00	3.6E+00	5.0E+00	6.3E+00
	Calcium	mg/l	79	79	2.0E+00	1.5E+01	3.2E+01	2.9E+01
	Carbonate	mg/l	12	78	2.0E+00	1.2E+01	3.5E+01	3.1E+01
	Cesium-137	pCi/l	38	71	2.0E-02	5.9E+01	4.3E+02	2.7E+02
	Chlorine	mg/l	74	75	2.0E+00	5.7E+00	2.1E+01	1.5E+01
	Chloroethane	µg/l	1	2	1.3E+01	1.3E+01	1.3E+01	
	Chromium	µg/l	47	79	2.0E+00	1.2E+01	3.9E+01	2.9E+01
	Cobalt	µg/l	2	77	3.0E+00	6.7E+01	1.3E+02	2.5E+02
	Copper	µg/l	36	79	1.0E+00	1.7E+01	8.3E+01	5.3E+01
	Cyanide	mg/l	2	63	1.0E-02	1.0E-02	1.0E-02	1.0E-02
Hardness	Fluorine	mg/l	78	78	2.0E-01	1.6E+00	4.9E+01	1.4E+01
	Gross Alpha	pCi/l	49	74	2.0E-01	2.8E+00	3.0E+01	1.2E+01
	Gross Beta	pCi/l	74	74	7.0E-01	3.7E+00	9.0E+00	7.4E+00
	Gross Gamma	pCi/l	43	69	1.0E+01	1.3E+02	5.5E+02	3.7E+02
	Iron	µg/l	28	79	1.0E+01	2.6E+03	2.9E+04	1.7E+04

TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Main Aquifer Supply Wells (cont.)	Lead	µg/l	25	84	1.0E+00	1.2E+01	9.5E+01	5.3E+01
	Lithium	mg/l	11	11	2.4E-02	4.4E-02	1.1E-01	9.7E-02
	Magnesium	mg/l	68	79	4.2E-02	2.9E+00	9.4E+00	8.2E+00
	Manganese	µg/l	28	79	1.0E+00	4.2E+01	2.7E+02	1.8E+02
	Mercury	µg/l	8	68	1.0E-01	1.5E-01	2.0E-01	2.6E-01
	Molybdenum	µg/l	27	79	1.0E+00	7.0E+00	3.0E+01	2.3E+01
	Nickel	µg/l	5	79	5.0E+00	1.5E+01	2.3E+01	3.0E+01
	Nitrate, as Nitrogen	mg/l	81	85	4.5E-03	8.0E-01	9.9E+00	3.4E+00
	pH		78	78	7.2E+00		9.4E+00	
	Phosphate, as Phosphorous	mg/l	30	79	2.0E-02	1.3E-01	3.0E-01	3.4E-01
	Plutonium-238	pCi/l	44	82	1.0E-04	1.2E-02	4.7E-02	3.1E-02
	Plutonium-239, Plutonium-240	pCi/l	59	82	1.0E-04	3.2E-02	6.7E-01	2.1E-01
	Potassium	mg/l	65	79	4.6E-01	2.5E+00	4.4E+00	4.0E+00
	Selenium	µg/l	14	79	1.7E+00	4.3E+00	1.2E+01	1.1E+01
	Silica	mg/l	78	80	9.3E+00	6.3E+01	1.2E+02	1.2E+02
	Silver	µg/l	11	78	2.0E+00	3.6E+01	5.8E+01	7.9E+01
	Sodium	mg/l	79	79	1.0E+01	3.5E+01	1.9E+02	1.1E+02
	Strontium	µg/l	75	79	1.0E+01	1.2E+02	8.3E+02	3.8E+02
	Strontium-90	pCi/l	22	41	1.0E-01	8.5E-01	4.6E+00	3.2E+00
	Sulfate	mg/l	74	75	2.0E+00	7.6E+00	4.1E+01	2.4E+01
	Thallium	µg/l	5	78	4.0E-02	7.9E+00	1.9E+01	2.5E+01
	Tin	µg/l	7	67	1.0E+01	1.6E+01	3.4E+01	3.5E+01

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Main Aquifer Supply Wells (cont.)	Total Dissolved Solids	mg/l	75	82	9.0E+01	2.1E+02	5.3E+02	3.9E+02
	Tritium	nCi/l	40	76	3.0E-03	3.4E-01	1.1E+00	7.8E-01
	Uranium	µg/l	52	77	6.0E-02	2.1E+00	1.7E+01	8.6E+00
	Vanadium	µg/l	67	79	5.0E+00	2.9E+01	2.6E+02	1.0E+02
	Zinc	µg/l	46	79	3.9E+00	6.8E+01	1.3E+03	4.5E+02
Test Wells	Acetone	µg/l	4	5	3.2E+01	4.0E+01	5.9E+01	6.6E+01
	Aluminum	µg/l	18	55	3.0E+01	1.7E+02	1.0E+03	6.7E+02
	Americium-241	pCi/l	32	49	6.0E-03	2.7E-02	6.2E-02	5.7E-02
	Antimony	µg/l	14	54	6.0E-01	2.7E+01	2.8E+02	1.7E+02
	Arsenic	µg/l	23	56	1.0E+00	3.4E+00	1.2E+01	7.5E+00
	Barium	µg/l	43	48	3.0E+00	3.0E+01	9.1E+01	7.8E+01
	Beryllium	µg/l	3	55	1.0E+00	1.5E+00	2.0E+00	2.5E+00
	Bicarbonate	mg/l	56	56	3.2E+01	6.6E+01	1.1E+02	1.0E+02
	Boron	µg/l	40	55	1.0E+01	4.9E+01	3.0E+02	1.6E+02
	Bromine	µg/l	1	1	4.0E+01	4.0E+01	4.0E+01	4.0E+01
	Cadmium	µg/l	10	55	1.0E-01	4.3E+00	1.3E+01	1.3E+01
	Calcium	mg/l	55	55	2.1E+00	1.5E+01	5.2E+01	4.0E+01
	Carbonate	mg/l	4	56	1.0E+00	2.5E+00	3.0E+00	4.5E+00
	Cesium-137	pCi/l	29	55	2.0E-02	1.2E+01	1.6E+02	8.8E+01
	Chlorine	mg/l	81	81	1.0E+00	7.0E+00	5.6E+01	3.0E+01
	Chromium	µg/l	19	55	1.0E+00	1.1E+01	6.3E+01	4.0E+01
	Cobalt	µg/l	5	55	3.0E+00	7.9E+00	2.2E+01	2.3E+01
	Copper	µg/l	25	55	3.0E+00	1.2E+02	8.0E+02	4.8E+02
	Cyanide	mg/l	4	44	1.0E-02	1.0E-02	1.0E-02	1.0E-02

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Test Wells (cont.)								
	Di-n-butyl phthalate	µg/l	2	7	1.5E+01	1.5E+01	1.5E+01	1.5E+01
	Fluorine	mg/l	55	55	1.0E-01	3.1E-01	6.0E-01	5.6E-01
	Gross Alpha	pCi/l	33	57	1.8E-01	1.4E+00	9.0E+00	4.4E+00
	Gross Beta	pCi/l	57	57	1.0E+00	3.2E+00	1.2E+01	7.1E+00
	Gross Gamma	pCi/l	30	58	2.0E+00	8.0E+01	3.2E+02	2.4E+02
	Hardness	mg/l	53	54	5.7E+00	5.7E+01	1.8E+02	1.4E+02
	Iron	µg/l	48	55	4.5E+01	2.3E+03	2.0E+04	1.0E+04
	Lead	µg/l	45	56	1.0E+00	2.6E+02	9.0E+03	2.9E+03
	Lithium	mg/l	10	10	1.0E-02	2.1E-02	2.8E-02	3.1E-02
	Magnesium	mg/l	54	55	1.2E-01	4.3E+00	1.1E+01	8.9E+00
	Manganese	µg/l	44	55	1.0E+00	5.6E+01	4.8E+02	2.2E+02
	Mercury	µg/l	7	56	7.8E-02	2.1E-01	7.0E-01	6.5E-01
	Molybdenum	µg/l	7	55	3.0E+00	1.3E+02	7.2E+02	6.7E+02
	Nickel	µg/l	9	55	4.0E-01	2.9E+01	9.0E+01	8.0E+01
	Nitrate, as Nitrogen	mg/l	66	81	4.0E-02	1.4E+00	2.3E+01	8.3E+00
	pH		56	56	6.7E+00		8.6E+00	
	Phosphate	mg/l	1	1	5.0E-02	5.0E-02	5.0E-02	
	Phosphate, as Phosphorous	mg/l	22	50	1.6E-02	1.2E-01	4.0E-01	3.4E-01
	Plutonium-238	pCi/l	36	67	1.0E-03	1.3E-02	4.3E-02	4.0E-02
	Plutonium-239, Plutonium-240	pCi/l	48	67	1.0E-03	2.7E-02	2.3E-01	1.2E-01
	Potassium	mg/l	43	55	8.4E-01	2.0E+00	4.7E+00	3.9E+00
	Selenium	µg/l	12	56	1.0E+00	8.3E+00	4.0E+01	3.8E+01

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Test Wells (cont.)								
Silica	mg/l	54	57	5.0E+00	5.5E+01	8.4E+01	1.0E+02	
Silver	µg/l	3	55	1.3E+01	1.7E+01	2.0E+01	2.5E+01	
Sodium	mg/l	55	55	5.0E+00	1.4E+01	1.4E+02	4.8E+01	
Strontium	µg/l	54	55	3.5E+01	9.3E+01	8.0E+02	3.3E+02	
Strontium-90	pCi/l	53	75	1.0E-01	1.4E+00	3.5E+01	1.1E+01	
Sulfate	mg/l	53	56	1.0E+00	6.2E+00	2.5E+01	2.0E+01	
Thallium	µg/l	1	54	2.3E-01	2.3E-01	2.3E-01		
Tin	µg/l	6	52	1.0E+01	4.4E+01	9.0E+01	1.0E+02	
Toluene	µg/l	2	5	9.0E+00	1.2E+01	1.4E+01	1.9E+01	
Total Dissolved Solids	mg/l	54	56	8.0E+00	1.7E+02	1.9E+03	6.6E+02	
Total Suspended Solids	mg/l	10	28	1.0E+00	6.2E+00	2.6E+01	2.1E+01	
Tritium	nCi/l	33	59	2.0E-02	4.4E-01	2.1E+00	1.4E+00	
Uranium	µg/l	43	57	4.0E-02	6.3E-01	2.7E+00	2.0E+00	
Vanadium	µg/l	22	55	1.0E+00	7.5E+00	1.5E+01	1.7E+01	
Zinc	µg/l	53	55	1.9E+01	1.2E+03	7.0E+03	4.2E+03	
Acetone	µg/l	13	18	2.0E+01	2.9E+01	4.4E+01	4.5E+01	
Aluminum	µg/l	91	124	1.0E+01	2.5E+03	4.1E+04	1.6E+04	
Americium-241	pCi/l	64	80	2.4E-03	3.6E-02	7.9E-02	7.7E-02	
Ammonia, as Nitrogen	µg/l	21	124	6.0E+00	5.3E+01	8.3E+02	4.1E+02	
Antimony	µg/l	15	124	2.0E-01	1.0E+00	7.0E+00	4.5E+00	
Arsenic	µg/l	84	124	1.0E+00	6.1E+00	7.0E+01	2.6E+01	
Barium	µg/l	99	101	7.0E+00	8.7E+01	8.3E+02	3.6E+02	
Beryllium	µg/l	20	124	5.0E-01	1.7E+00	1.3E+01	7.3E+00	

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Springs (cont.)								
	Bicarbonate	mg/l	123	123	4.2E+01	9.4E+01	5.0E+02	2.1E+02
	Boron	µg/l	107	124	2.0E+00	3.5E+01	2.0E+02	9.8E+01
	Bromine	µg/l	3	4	2.0E+01	4.7E+01	6.0E+01	9.3E+01
	Butanone [2-]	µg/l	2	18	2.3E+01	2.5E+01	2.6E+01	2.9E+01
	Cadmium	µg/l	34	124	2.0E-01	3.5E+00	1.7E+01	1.1E+01
	Calcium	mg/l	121	123	4.2E-01	2.3E+01	1.1E+02	5.7E+01
	Carbonate	mg/l	3	123	2.0E+00	7.0E+00	1.7E+01	2.4E+01
	Cesium-137	pCi/l	58	118	1.0E-02	2.5E+01	1.4E+02	1.1E+02
	Chlorine	mg/l	123	123	1.0E+00	5.4E+00	3.3E+01	1.5E+01
	Chloroethane	µg/l	3	18	1.1E+01	1.2E+01	1.4E+01	1.5E+01
	Chromium	µg/l	85	124	1.0E+00	9.3E+00	1.2E+02	3.7E+01
	Cobalt	µg/l	11	101	3.0E+00	9.7E+00	3.3E+01	2.9E+01
	Copper	µg/l	38	124	1.0E+00	1.5E+01	2.5E+02	9.5E+01
	Cyanide	mg/l	4	101	1.0E-02	5.8E-02	1.2E-01	1.5E-01
	Di-n-butyl phthalate	µg/l	4	20	1.4E+01	2.0E+01	3.7E+01	4.3E+01
	Dinitrotoluene [2,4-]	µg/l	1	38	1.8E-01	1.8E-01	1.8E-01	
	Fluorine	mg/l	123	123	2.9E-01	4.9E-01	1.4E+00	8.3E-01
	Gross Alpha	pCi/l	93	124	1.0E-01	3.4E+00	3.6E+01	1.4E+01
	Gross Beta	pCi/l	124	124	1.5E+00	5.2E+00	6.2E+01	1.8E+01
	Gross Gamma	pCi/l	77	124	1.0E+01	1.2E+02	1.0E+03	4.3E+02
	Hardness	mg/l	119	123	1.3E+01	7.7E+01	5.8E+02	2.1E+02
	HMX (Octogen)	µg/l	1	17	4.9E+00	4.9E+00	4.9E+00	
	Iron	µg/l	94	124	1.0E+01	2.3E+03	2.9E+04	1.4E+04
	Lead	µg/l	66	127	2.0E-01	8.9E+00	2.0E+02	6.6E+01

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Springs (cont.)	Lithium	mg/l	16	16	2.0E-02	2.8E-02	5.8E-02	5.0E-02
	Magnesium	mg/l	120	123	4.0E-01	3.7E+00	1.8E+01	8.7E+00
	Manganese	µg/l	85	124	1.0E+00	2.0E+02	7.0E+03	1.8E+03
	Mercury	µg/l	3	124	1.0E-01	2.7E-01	6.0E-01	8.4E-01
	Methylene chloride	µg/l	3	18	5.0E+00	5.0E+00	5.0E+00	5.0E+00
	Molybdenum	µg/l	25	103	1.0E+00	4.0E+00	1.6E+01	1.3E+01
	Nitrate, as Nitrogen	mg/l	96	126	2.0E-02	1.0E+00	2.8E+01	6.8E+00
	pH		123	123	6.8E+00		8.9E+00	
	Phosphate, as Phosphorous	mg/l	58	123	2.0E-02	4.5E-01	5.1E+00	2.3E+00
Plutonium-238	pCi/l		80	125	3.0E-04	1.7E-02	1.4E-01	5.7E-02
Plutonium-239, Plutonium-240	pCi/l		87	125	1.0E-03	1.8E-02	6.2E-02	4.6E-02
Potassium	mg/l		120	123	2.0E-01	2.9E+00	9.4E+00	6.1E+00
RDX (Cyclonite)	µg/l		1	18	2.3E+01	2.3E+01	2.3E+01	
Selenium	µg/l		26	124	1.0E+00	6.5E+00	7.0E+01	3.5E+01
Silica	mg/l		127	127	2.2E+01	6.1E+01	8.8E+01	9.5E+01
Silver	µg/l		8	124	1.0E+00	3.0E+01	1.3E+02	1.2E+02
Sodium	mg/l		120	123	5.0E+00	2.1E+01	1.4E+02	6.7E+01
Strontium	µg/l		124	124	1.0E+00	1.9E+02	1.4E+03	5.4E+02
Strontium-90	pCi/l		68	101	1.0E-01	9.5E-01	2.0E+01	5.8E+00
Sulfate	mg/l		123	123	1.0E+00	6.7E+00	3.3E+01	1.6E+01
Tetryl(methyl- 2,4,6-trinitrophenyl)nitra mine)	µg/l		1	18	6.1E-01	6.1E-01	6.1E-01	

TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Springs (cont.)	Thallium	µg/l	9	124	4.0E-02	2.8E+00	1.6E+01	1.3E+01
	Tin	µg/l	13	78	8.0E+00	3.5E+01	5.9E+01	6.4E+01
	Total Dissolved Solids	mg/l	123	123	6.0E+00	2.0E+02	2.1E+03	6.0E+02
	Total Suspended Solids	mg/l	10	32	1.2E+00	1.4E+01	8.4E+01	6.5E+01
	Trinitrotoluene [2,4,6-]	µg/l	2	18	2.0E-01	2.5E+00	4.8E+00	9.0E+00
	Tritium	nCi/l	83	124	1.5E-02	3.5E-01	3.8E+00	1.2E+00
	Uranium	µg/l	133	143	1.0E-01	2.7E+00	3.9E+01	1.3E+01
	Vanadium	µg/l	111	124	1.0E+00	2.0E+01	1.6E+02	7.5E+01
	Zinc	µg/l	60	124	1.0E+00	1.6E+02	6.5E+03	1.8E+03
	Aluminum	µg/l	5	6	9.0E+01	6.1E+02	1.2E+03	1.6E+03
	Americium-241	pCi/l	3	4	3.0E-03	1.8E-02	3.0E-02	4.6E-02
(Water Canyon Gallery)	Arsenic	µg/l	1	6	1.5E+00	1.5E+00	1.5E+00	1.5E+00
	Barium	µg/l	4	5	1.2E+01	6.9E+01	2.3E+02	2.9E+02
	Bicarbonate	mg/l	6	6	2.8E+01	4.3E+01	6.7E+01	7.0E+01
	Boron	µg/l	1	6	2.4E+01	2.4E+01	2.4E+01	2.4E+01
	Calcium	mg/l	6	6	6.0E+00	7.5E+00	1.1E+01	1.1E+01
	\Cesium-137	pCi/l	3	6	2.2E-01	5.1E+01	1.5E+02	2.2E+02
	Chlorine	mg/l	6	6	1.0E+00	3.2E+00	1.2E+01	1.2E+01
	Chromium	µg/l	2	6	5.3E+00	6.2E+00	7.0E+00	8.6E+00
	Copper	µg/l	2	6	3.0E+00	5.5E+00	8.0E+00	1.3E+01
	Fluorine	mg/l	2	6	6.0E-02	1.3E-01	2.0E-01	3.3E-01
	Gross Alpha	pCi/l	5	6	4.4E-01	8.9E-01	1.0E+00	1.4E+00
	Gross Beta	pCi/l	6	6	2.0E+00	3.4E+00	5.0E+00	6.0E+00

TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
(Water Canyon Gallery) (cont.)	Gross Gamma	pCi/l	3	5	3.0E+01	2.9E+02	8.2E+02	1.2E+03
	Hardness	mg/l	6	6	2.5E+01	3.1E+01	3.9E+01	4.0E+01
	Iron	µg/l	4	6	4.0E+01	3.5E+02	5.6E+02	8.2E+02
	Lead	µg/l	1	6	1.7E+00	1.7E+00	1.7E+00	
	Lithium	mg/l	1	1	9.0E-03	9.0E-03	9.0E-03	
	Magnesium	mg/l	5	6	3.0E+00	3.3E+00	3.8E+00	3.9E+00
	Manganese	µg/l	2	6	2.0E+00	2.5E+00	3.0E+00	3.9E+00
	Molybdenum	µg/l	1	6	2.0E+00	2.0E+00	2.0E+00	
	Nickel	µg/l	1	6	2.0E+01	2.0E+01	2.0E+01	
	Nitrate, as Nitrogen	mg/l	6	6	1.5E-01	3.7E-01	9.7E-01	9.7E-01
	pH		6	6	6.9E+00		8.0E+00	
	Phosphate, as Phosphorous	mg/l	3	6	4.0E-02	1.5E-01	2.0E-01	3.3E-01
	Plutonium-238	pCi/l	5	6	3.0E-03	5.8E-03	9.0E-03	1.1E-02
	Plutonium-239, Plutonium-240	pCi/l	5	6	4.0E-03	1.3E-02	2.2E-02	2.7E-02
	Potassium	mg/l	5	6	1.5E+00	2.1E+00	3.0E+00	3.3E+00
	Selenium	µg/l	1	6	4.0E+00	4.0E+00	4.0E+00	
	Silica	mg/l	6	6	1.6E+01	4.0E+01	4.8E+01	6.4E+01
	Sodium	mg/l	5	6	5.1E+00	7.2E+00	1.2E+01	1.3E+01
	Strontium	µg/l	5	6	4.2E+01	5.6E+01	8.1E+01	8.5E+01
	Strontium-90	pCi/l	1	3	1.0E-01	1.0E-01	1.0E-01	
	Sulfate	mg/l	6	6	2.0E+00	3.1E+00	6.0E+00	6.2E+00
	Thallium	µg/l	1	6	1.2E+00	1.2E+00	1.2E+00	

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
(Water Canyon Gallery) (cont.)	Total Dissolved Solids	mg/l	5	6	6.8E+01	9.5E+01	1.4E+02	1.5E+02
	Total Suspended Solids	mg/l	2	2	2.0E+00	2.0E+00	2.0E+00	2.0E+00
	Tritium	nCi/l	3	6	1.0E-01	4.3E-01	1.0E+00	1.4E+00
	Uranium	$\mu\text{g/l}$	3	6	1.0E-01	2.5E-01	4.0E-01	5.5E-01
	Vanadium	$\mu\text{g/l}$	3	6	4.0E+00	8.3E+00	1.1E+01	1.6E+01
	Zinc	$\mu\text{g/l}$	1	6	3.0E+01	3.0E+01	3.0E+01	
	Acetone	$\mu\text{g/l}$	1	12	3.10E+01	3.10E+01	3.10E+01	
San Ildefonso Wells	Aluminum	$\mu\text{g/l}$	12	47	3.00E+01	1.04E+02	1.60E+02	1.93E+02
	Americium-241	pCi/l	36	46	2.00E-03	2.64E-02	7.50E-02	6.02E-02
	Antimony	$\mu\text{g/l}$	17	47	3.00E-01	1.98E+00	8.00E+00	6.70E+00
	Arsenic	$\mu\text{g/l}$	47	52	2.00E+00	8.66E+00	4.10E+01	2.14E+01
	Barium	$\mu\text{g/l}$	48	51	1.00E+00	9.68E+01	3.30E+02	3.33E+01
	Beryllium	$\mu\text{g/l}$	6	52	1.00E+00	7.00E+00	1.70E+01	2.04E+01
	Bicarbonate	mg/l	52	52	6.80E+01	2.11E+02	5.71E+02	4.73E+02
	Bis(2-ethylhexyl) phthalate	$\mu\text{g/l}$	10	19	1.10E+01	1.48E+01	1.90E+01	2.15E+01
	Boron	$\mu\text{g/l}$	45	47	8.00E+00	4.02E+02	2.20E+03	1.65E+03
	Bromine	$\mu\text{g/l}$	8	8	7.00E+01	4.83E+02	1.78E+03	1.71E+03
	Cadmium	$\mu\text{g/l}$	5	52	2.00E-01	1.34E+00	5.00E+00	5.49E+00
	Calcium	mg/l	52	52	2.80E+00	2.88E+01	8.50E+01	7.61E+01
	Carbonate	mg/l	22	52	1.00E+00	1.01E+01	3.40E+01	2.70E+01
	Cesium-137	pCi/l	35	52	1.50E-01	1.19E+01	9.00E+01	5.87E+01
	Chlorine	mg/l	52	52	3.00E+00	6.57E+01	4.46E+02	2.83E+02
	Chloroethane	$\mu\text{g/l}$	6	12	1.30E+01	1.52E+01	1.80E+01	1.86E+01

TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
San Ildefonso Wells (cont.)	Chromium	µg/l	23	52	2.00E-01	1.28E+01	5.50E+01	3.53E+01
	Cobalt	µg/l	6	47	4.00E+00	1.58E+01	5.50E+01	5.61E+01
	Copper	µg/l	28	52	2.00E+00	1.58E+01	1.20E+02	5.98E+01
	Cyanide	mg/l	1	30	3.00E-02	3.00E-02	3.00E-02	
	Di-n-butyl phthalate	µg/l	1	19	1.10E+01	1.10E+01	1.10E+01	
	Fluorine	mg/l	52	52	1.30E-01	2.04E+00	4.90E+01	1.56E+01
	Gross Alpha	pCi/l	35	52	2.10E-01	9.04E+00	4.00E+01	2.74E+01
	Gross Beta	pCi/l	50	52	8.00E-01	5.11E+00	1.70E+01	1.25E+01
	Gross Gamma	pCi/l	33	47	1.00E+01	1.31E+02	5.00E+02	3.86E+02
	Hardness	mg/l	52	52	8.00E+00	8.04E+01	2.35E+02	2.16E+02
	Iron	µg/l	33	52	2.00E+01	6.67E+02	9.60E+03	4.21E+03
	Lead	µg/l	14	62	5.00E-01	2.43E+00	6.00E+00	5.78E+00
	Lithium	mg/l	8	8	3.00E-02	1.05E-01	2.90E-01	2.80E-01
	Magnesium	mg/l	47	52	4.00E-02	2.33E+00	7.80E+00	6.66E+00
	Manganese	µg/l	29	52	1.00E+00	7.59E+00	3.60E+01	2.20E+01
	Mercury	µg/l	6	51	1.00E-01	4.17E-01	1.00E+00	1.26E+00
	Molybdenum	µg/l	21	47	1.70E+00	1.31E+01	5.70E+01	4.41E+01
	Nickel	µg/l	3	47	1.00E+01	2.27E+01	3.00E+01	4.47E+01
	Nitrate, as Nitrogen	mg/l	55	60	2.49E-02	2.75E+00	1.90E+01	1.11E+01
	Phosphate	mg/l	2	8	1.00E-01	1.25E-01	1.50E-01	1.96E-01
	Phosphate, as Phosphorous	mg/l	11	45	3.27E-02	1.21E-01	4.00E-01	3.15E-01
	Plutonium-238	pCi/l	29	52	3.00E-03	2.61E-02	1.10E-01	8.51E-02

**TABLE C-6.—Groundwater Detection Statistics by Regime and Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
San Ildefonso Wells (cont.)	Plutonium-239, Plutonium-240	pCi/l	37	52	9.00E-04	2.83E-02	3.37E-01	1.42E-01
	Potassium	mg/l	46	52	5.30E-01	2.37E+00	6.00E+00	5.04E+00
	Selenium	µg/l	14	52	2.00E+00	3.37E+00	6.50E+00	6.37E+00
	Silica	mg/l	57	60	2.10E+01	3.59E+01	6.30E+01	5.72E+01
	Silver	µg/l	5	52	1.00E+00	2.64E+01	4.40E+01	6.76E+01
	Sodium	mg/l	52	52	1.40E+01	1.23E+02	5.20E+02	3.80E+02
	Strontium	µg/l	47	47	2.68E+01	4.31E+02	1.50E+03	1.18E+03
	Strontium-90	pCi/l	33	46	1.00E-01	7.21E-01	8.40E+00	3.67E+00
	Sulfate	mg/l	52	52	4.00E+00	3.08E+01	8.20E+01	7.36E+01
	Thallium	µg/l	12	47	3.00E-02	1.93E-01	9.00E-01	7.35E-01
	Tin	µg/l	1	40	1.00E+01	1.00E+01	1.00E+01	1.00E+01
	Total Dissolved Solids	mg/l	52	52	1.10E+02	4.56E+02	1.45E+03	1.17E+03
	Total Suspended Solids	mg/l	2	18	2.00E+00	2.40E+00	2.80E+00	3.53E+00
	Trichloroethane [1,1,1-]	µg/l	1	12	2.30E+01	2.30E+01	2.30E+01	2.30E+01
	Tritium	nCi/l	34	52	9.80E-02	3.94E-01	2.10E+00	1.10E+00
	Uranium	µg/l	50	52	2.00E-01	1.11E+01	3.52E+01	2.97E+01
	Vanadium	µg/l	44	47	5.00E+00	1.87E+01	6.00E+01	3.90E+01
	Zinc	µg/l	36	52	3.90E+00	1.11E+02	1.30E+03	5.61E+02

^a Groundwater regime designations are in accordance with the Environmental Surveillance Program.

^b pCi/l is picocuries of radioactive analyte per liter of sample, nCi/l is nanocuries of radioactive analyte per liter of sample, mg/l is milligrams of analyte per liter of sample, NTU is nephelometric turbidity units.

^c Upper confidence limit (UCL) not calculated when the number of detected analyses equals 1.

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAX
Alluvial Groundwater Cañada del Buey	Aluminum	µg/l	8	8	4.7E+03	5.9E+04	1.6
	Americium-241	pCi/l	6	6	1.8E-02	2.7E-02	4.1
	Ammonia, as Nitrogen	mg/l	4	11	3.0E-02	1.0E-01	2.4
	Antimony	µg/l	1	6	1.0E+00	1.0E+00	1.0
	Arsenic	µg/l	8	8	5.0E+00	2.3E+01	7.2
	Barium	µg/l	8	8	8.3E+01	6.9E+02	1.6
	Beryllium	µg/l	5	8	3.0E+00	8.6E+00	2.0
	Bicarbonate	mg/l	8	8	6.6E+01	7.6E+01	9.8
	Boron	µg/l	8	8	3.7E+01	5.5E+01	9.0
	Cadmium	µg/l	3	8	1.0E+00	3.0E+00	5.0
	Calcium	mg/l	8	8	1.3E+01	2.5E+01	4.2
	Cesium-137	pCi/l	1	8	2.1E+00	2.1E+00	2.1
	Chlorine	mg/l	8	8	7.0E+00	1.1E+01	1.3
	Chromium	µg/l	6	8	1.2E+01	4.0E+01	1.0
	Cobalt	µg/l	5	8	4.0E+00	1.2E+01	2.8
	Copper	µg/l	6	8	5.0E+00	2.8E+01	7.1
	Cyanide	mg/l	2	7	5.0E-02	5.5E-02	6.0
	Fluorine	mg/l	8	8	1.0E-01	1.9E-01	3.0
	Gross Alpha	pCi/l	8	8	3.0E+00	1.3E+01	2.6
	Gross Beta	pCi/l	8	8	7.0E+00	1.8E+01	2.9
	Gross Gamma	pCi/l	6	8	4.0E+01	1.2E+02	4.0
	Hardness	mg/l	8	8	5.3E+01	1.0E+02	1.9
	Iron	µg/l	8	8	2.2E+03	3.6E+04	1.3
	Lead	µg/l	5	6	3.0E+00	8.3E+01	2.4
	Lithium	mg/l	2	2	3.4E-02	6.5E-02	9.5

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Alluvial Groundwater Cañada del Buey (cont.)	Magnesium	mg/l	8	8	3.8E+00	9.7E+00	2.1E+01	2.0E+01
	Manganese	µg/l	8	8	4.0E+00	8.6E+02	2.4E+03	2.6E+03
	Mercury	µg/l	3	8	2.0E-01	3.3E-01	6.0E-01	8.0E-01
	Molybdenum	µg/l	1	8	2.0E+00	2.0E+00	2.0E+00	
	Nickel	µg/l	6	8	1.0E+01	3.3E+01	8.0E+01	8.2E+01
	Nitrate, as Nitrogen	mg/l	15	18	4.0E-02	1.4E+00	1.7E+01	1.0E+01
	Nitrite, as Nitrogen	mg/l	4	11	2.0E-02	4.5E-02	9.0E-02	1.1E-01
	pH		8	8	6.8E+00		9.0E+00	
	Phosphate, as Phosphorous	mg/l	7	7	1.0E-01	3.9E-01	6.0E-01	7.2E-01
	Plutonium-238	pCi/l	4	8	2.0E-03	1.9E-02	3.4E-02	5.0E-02
	Plutonium-239, Plutonium-240	pCi/l	5	8	3.0E-03	1.6E-02	3.9E-02	4.3E-02
	Potassium	mg/l	8	8	2.1E+00	1.1E+01	2.2E+01	2.6E+01
	Selenium	µg/l	6	8	1.0E+00	5.4E+00	1.6E+01	1.6E+01
	Silica	mg/l	8	8	5.3E+01	6.0E+01	6.7E+01	6.9E+01
	Sodium	mg/l	8	8	2.0E+01	2.4E+01	3.0E+01	3.1E+01
	Strontium	µg/l	8	8	1.0E+02	1.8E+02	3.3E+02	3.4E+02
	Strontium-90	pCi/l	5	5	2.0E-01	5.6E-01	1.1E+00	1.4E+00
	Sulfate	mg/l	8	8	2.0E+00	7.0E+00	9.0E+00	1.2E+01
	Thallium	µg/l	2	6	2.0E+00	4.0E+00	6.0E+00	9.7E+00
	Tin	µg/l	3	8	3.0E+01	4.1E+01	5.0E+01	6.2E+01
	Total Dissolved Solids	mg/l	8	8	9.6E+01	1.8E+02	2.1E+02	2.5E+02
	Total Kjeldahl Nitrogen	mg/l	9	11	4.0E-02	6.8E-01	2.5E+00	2.2E+00

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Alluvial Groundwater Cañada del Buey (cont.)	Total Suspended Solids	mg/l	3	3	3.0E+00	1.8E+01	4.6E+01	6.7E+01
	Tritium	nCi/l	8	8	2.9E-02	4.0E-01	9.0E-01	9.1E-01
	Uranium	µg/l	7	8	2.8E-01	2.6E+00	5.8E+00	6.1E+00
	Vanadium	µg/l	7	8	1.4E+01	5.8E+01	1.5E+02	1.5E+02
	Zinc	µg/l	7	8	8.6E+01	2.4E+02	7.2E+02	6.8E+02
Los Alamos	Acetone	µg/l	2	16	2.0E+00	3.0E+00	4.0E+00	5.8E+00
	Aluminum	µg/l	69	75	1.0E+02	7.7E+03	2.4E+05	7.1E+04
	Americium-241	pCi/l	75	95	9.0E-04	3.5E+00	9.4E+01	3.2E+01
	Antimony	µg/l	3	74	7.0E-01	1.2E+00	2.0E+00	2.6E+00
	Arsenic	µg/l	24	74	1.0E+00	8.0E+00	8.3E+01	4.2E+01
	Barium	µg/l	57	69	3.0E-02	2.2E+02	3.1E+03	1.5E+03
	Barium-140	pCi/l	7	11	2.5E+00	7.0E+00	1.1E+01	1.3E+01
	Beryllium	µg/l	16	75	3.0E-01	5.9E+00	3.0E+01	2.4E+01
	Bicarbonate	mg/l	59	59	2.6E+01	6.3E+01	1.0E+02	1.0E+02
	Boron	µg/l	44	81	1.3E+01	5.7E+01	2.7E+02	1.6E+02
	Cadmium	µg/l	9	74	1.2E+00	9.3E+00	3.6E+01	3.3E+01
	Calcium	mg/l	75	75	7.5E+00	2.1E+01	3.2E+02	9.2E+01
	Cerium-144	pCi/l	18	27	1.0E+00	3.1E+01	1.1E+02	1.1E+02
	Cesium-137	pCi/l	52	73	1.3E-02	1.6E+01	2.6E+02	1.1E+02
	Chlorine	mg/l	63	63	6.0E+00	4.3E+01	1.1E+02	8.7E+01
	Chloro-3-methylphenol[4-]	µg/l	1	16	2.0E+01	2.0E+01	2.0E+01	
	Chlorophenol[o-]	µg/l	1	16	1.0E+01	1.0E+01	1.0E+01	
	Chromium	µg/l	28	75	1.8E+00	5.1E+02	7.0E+03	3.7E+03
	Cobalt	µg/l	7	75	4.0E+00	2.5E+01	7.1E+01	7.1E+01

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Los Alamos (cont.)	Cobalt-57	pCi/l	10	16	1.4E-01	5.6E+00	1.8E+01	1.7E+01
	Cobalt-60	pCi/l	24	27	1.4E-01	9.7E+00	3.7E+01	3.4E+01
	Copper	µg/l	19	75	1.3E+00	6.0E+01	8.7E+02	4.5E+02
	Cyanide	mg/l	1	57	4.0E-02	4.0E-02	4.0E-02	
	Dichlorophenol [2,4-]	µg/l	1	16	1.0E+01	1.0E+01	1.0E+01	
	Dimethylphenol [2,4-]	µg/l	1	16	1.0E+01	1.0E+01	1.0E+01	
	Di-n-butyl phthalate	µg/l	1	16	1.1E+01	1.1E+01	1.1E+01	
	Dinitrophenol [2,4-]	µg/l	1	16	5.0E+01	5.0E+01	5.0E+01	
	Europium-152	pCi/l	20	27	1.4E+00	3.3E+01	1.2E+02	1.1E+02
	Fluorine	mg/l	69	73	1.2E-01	6.6E-01	1.0E+00	1.2E+00
	Gross Alpha	pCi/l	56	73	2.0E-01	5.1E+00	7.4E+01	3.2E+01
	Gross Beta	pCi/l	72	73	2.0E+00	3.9E+01	1.5E+02	1.2E+02
	Gross Gamma	pCi/l	61	69	2.0E+00	1.3E+02	9.0E+02	4.6E+02
	Hardness	mg/l	48	48	2.5E+01	8.0E+01	1.1E+03	3.8E+02
	Iodine-129	pCi/l	1	2	3.1E+00	3.1E+00	3.1E+00	
	Iron	µg/l	71	75	5.0E+01	5.4E+03	1.9E+05	5.3E+04
	Lead	µg/l	24	74	6.0E-01	3.4E+01	4.1E+02	2.0E+02
	Lithium	mg/l	24	44	3.0E-03	3.5E-02	1.3E-01	9.8E-02
	Magnesium	mg/l	63	75	2.2E+00	5.3E+00	7.7E+01	2.4E+01
	Manganese	µg/l	50	75	7.0E-01	9.2E+02	1.4E+04	6.8E+03
	Mercury	µg/l	13	74	1.0E-01	2.2E+00	1.4E+01	1.1E+01
	Methyl-4,6-dinitrophenol[2-]	µg/l	1	16	5.0E+01	5.0E+01	5.0E+01	

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Los Alamos (cont.)	Methylphenol[2-]	µg/l	1	16	1.0E+01	1.0E+01	1.0E+01	
	Methylphenol[4-]	µg/l	1	16	1.0E+01	1.0E+01	1.0E+01	
	Molybdenum	µg/l	45	76	2.0E+00	2.9E+02	1.0E+03	9.1E+02
	Neptunium-237	pCi/l	18	27	4.9E-02	2.8E+01	1.0E+02	9.6E+01
	Nickel	µg/l	9	75	1.1E+00	4.9E+01	1.7E+02	1.6E+02
	Nitrate, as Nitrogen	mg/l	54	75	4.0E-02	5.9E-01	7.3E+00	2.9E+00
	Nitrophenol[2-]	µg/l	1	16	1.0E+01	1.0E+01	1.0E+01	
	Nitrophenol[4-]	µg/l	1	16	5.0E+01	5.0E+01	5.0E+01	
	Pentachlorophenol	µg/l	1	16	5.0E+01	5.0E+01	5.0E+01	
	pH		63	63	1.0E-01		8.0E+00	
	Phenol	µg/l	1	16	1.0E+01	1.0E+01	1.0E+01	
	Phosphate, as Phosphorous	mg/l	49	55	2.0E-02	8.9E-01	2.9E+01	9.2E+00
	Phosphorous	mg/l	8	15	4.3E-02	1.3E-01	2.3E-01	2.5E-01
	Plutonium-238	pCi/l	44	74	1.0E-03	2.6E-02	3.6E-01	1.4E-01
	Plutonium-239, Plutonium-240	pCi/l	65	74	1.0E-03	7.8E-02	1.6E+00	5.3E-01
	Potassium	mg/l	69	75	1.7E+00	6.3E+00	3.0E+01	1.4E+01
	Potassium-40	pCi/l	13	16	2.2E+00	2.4E+02	5.0E+02	5.7E+02
	Ruthenium-106	pCi/l	12	27	2.2E+00	3.8E+01	1.5E+02	1.3E+02
	Selenium	µg/l	4	74	3.0E+00	5.3E+00	1.0E+01	1.2E+01
	Silica	mg/l	61	61	2.2E+01	4.0E+01	6.7E+01	5.7E+01
	Silver	µg/l	4	75	4.0E-01	1.4E+01	2.6E+01	3.5E+01
	Sodium	mg/l	75	75	4.0E+00	3.2E+01	5.9E+01	5.1E+01
	Sodium-22	pCi/l	16	27	2.9E-02	3.1E+00	1.1E+01	9.9E+00

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Los Alamos (cont.)	Strontium	µg/l	76	76	4.8E+01	1.2E+02	9.3E+02	3.5E+02
	Strontium-90	pCi/l	65	68	3.0E-01	2.2E+01	3.7E+02	1.2E+02
	Sulfate	mg/l	75	75	4.0E+00	8.9E+00	3.1E+01	1.7E+01
	Thallium	µg/l	9	74	3.0E-01	1.2E+00	3.0E+00	3.3E+00
	Tin	µg/l	2	71	3.0E+01	5.0E+01	7.0E+01	1.1E+02
	Total Dissolved Solids	mg/l	63	63	7.4E+01	2.2E+02	8.0E+02	4.5E+02
	Total Suspended Solids	mg/l	14	26	2.0E+00	8.1E+01	4.2E+02	3.4E+02
	Trichlorophenol [2,4,5-]	µg/l	1	16	5.0E+01	5.0E+01	5.0E+01	
	Trichlorophenol [2,4,6-]	µg/l	1	16	1.0E+01	1.0E+01	1.0E+01	
	Tritium	nCi/l	60	74	4.6E-02	8.2E-01	9.3E+00	3.8E+00
	Turbidity	NTU	15	15	6.0E-01	8.3E+00	8.0E+01	4.8E+01
	Uranium	µg/l	61	73	2.0E-02	1.8E+00	5.0E+01	1.5E+01
	Vanadium	µg/l	22	75	1.7E+00	2.8E+01	3.5E+02	1.8E+02
	Zinc	µg/l	34	75	9.0E-02	1.1E+02	1.6E+03	6.5E+02
Mortandad	Acetone	µg/l	1	17	2.1E+01	2.1E+01	2.1E+01	
	Actinium-228	pCi/l	3	6	1.2E+00	6.2E+00	9.8E+00	1.5E+01
	Aluminum	µg/l	59	63	2.5E+01	5.4E+03	4.4E+04	2.5E+04
	Americium-241	pCi/l	64	75	1.2E-01	2.9E+00	6.6E+01	2.3E+01
	Antimony	µg/l	10	63	2.0E-01	1.6E+00	3.0E+00	3.4E+00
	Arsenic	µg/l	27	63	2.0E+00	4.6E+00	1.2E+01	9.7E+00
	Barium	µg/l	51	57	4.0E+01	2.1E+02	9.1E+02	5.5E+02
	Barium-140	pCi/l	8	10	6.7E-01	7.1E+00	1.9E+01	2.0E+01

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Mortandad (cont.)	Benzidine[m-]	µg/l	1	15	2.0E+01	2.0E+01	2.0E+01	
	Beryllium	µg/l	11	63	1.2E+00	3.2E+00	1.2E+01	9.5E+00
	Bicarbonate	mg/l	52	53	5.9E+01	1.6E+02	2.5E+02	2.4E+02
	Bis(2-ethylhexyl) phthalate	µg/l	1	16	4.0E+00	4.0E+00	4.0E+00	
	Bismuth-211	pCi/l	2	6	3.3E+01	4.1E+01	4.8E+01	6.1E+01
	Bismuth-212	pCi/l	5	6	2.2E+01	3.8E+01	7.6E+01	8.5E+01
	Bismuth-214	pCi/l	1	6	8.3E+00	8.3E+00	8.3E+00	
	Boron	µg/l	59	65	3.0E+01	7.5E+01	1.1E+02	1.1E+02
	Cadmium	µg/l	2	63	6.0E-01	8.0E-01	1.0E+00	1.4E+00
	Cadmium-109	pCi/l	5	6	2.5E+01	4.0E+01	5.7E+01	6.9E+01
	Calcium	mg/l	63	63	1.4E+01	3.2E+01	7.3E+01	6.4E+01
	Carbonate	mg/l	2	53	1.0E+00	2.0E+00	3.0E+00	4.8E+00
	Cerium-139	pCi/l	2	6	5.5E-02	2.8E-01	5.0E-01	9.1E-01
	Cerium-144	pCi/l	13	18	1.6E+00	4.1E+01	1.6E+02	1.4E+02
	Cesium-134	pCi/l	1	6	2.4E-01	2.4E-01	2.4E-01	
	Cesium-137	pCi/l	33	57	3.6E-01	4.1E+00	3.2E+01	1.7E+01
	Chlorine	mg/l	53	53	7.0E+00	1.8E+01	3.1E+01	2.9E+01
	Chloromethane	µg/l	1	17	1.1E+01	1.1E+01	1.1E+01	
	Chromium	µg/l	23	63	1.1E+00	1.4E+01	2.8E+01	2.9E+01
	Cobalt	µg/l	8	63	5.0E+00	7.5E+00	1.2E+01	1.2E+01
	Cobalt-57	pCi/l	10	14	1.7E-01	5.0E+00	1.5E+01	1.5E+01
	Cobalt-60	pCi/l	16	18	3.0E-01	1.3E+01	4.6E+01	4.3E+01
	Copper	µg/l	24	63	5.6E+00	3.1E+01	1.0E+02	7.6E+01
	Cyanide	mg/l	12	53	1.0E-02	2.0E-02	3.4E-02	3.7E-02

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Mortandad (cont.)	Di-n-butyl phthalate	µg/l	1	16	1.2E+01	1.2E+01	1.2E+01	
	Europium-152	pCi/l	15	18	9.8E-01	2.5E+01	1.2E+02	9.2E+01
	Fluorine	mg/l	60	60	3.0E-01	1.6E+00	2.2E+00	2.4E+00
	Gross Alpha	pCi/l	52	57	6.0E-01	2.2E+01	1.4E+02	8.8E+01
	Gross Beta	pCi/l	56	57	2.0E+01	1.6E+02	6.3E+02	4.7E+02
	Gross Gamma	pCi/l	43	57	1.0E+01	1.2E+02	4.0E+02	2.9E+02
	Hardness	mg/l	47	47	4.9E+01	1.1E+02	2.4E+02	2.1E+02
	Iron	µg/l	56	63	4.0E+01	3.8E+03	3.1E+04	1.8E+04
	Lanthanum-140	pCi/l	1	6	3.8E+02	3.8E+02	3.8E+02	
	Lead	µg/l	23	67	2.0E+00	2.2E+01	5.8E+01	5.1E+01
	Lead-210	pCi/l	4	6	1.5E+02	1.0E+03	1.7E+03	2.3E+03
	Lead-211	pCi/l	3	6	1.8E+00	1.2E+01	2.6E+01	3.7E+01
	Lead-212	pCi/l	3	6	1.2E-01	3.8E+00	6.2E+00	1.0E+01
	Lead-214	pCi/l	2	6	5.0E+00	7.9E+00	1.1E+01	1.6E+01
	Lithium	mg/l	30	37	2.0E-03	2.9E-02	8.0E-02	6.6E-02
	Magnesium	mg/l	57	63	2.1E+00	5.5E+00	2.0E+01	1.2E+01
	Manganese	µg/l	41	63	2.0E+00	2.0E+02	8.6E+02	7.0E+02
	Manganese-54	pCi/l	2	6	5.2E-01	5.2E-01	5.3E-01	5.3E-01
	Mercury	µg/l	17	63	3.0E-02	4.3E-01	1.9E+00	1.4E+00
	Mercury-203	pCi/l	6	6	9.9E-02	1.7E+00	3.2E+00	4.1E+00
	Molybdenum	µg/l	59	63	2.0E-01	1.5E+02	9.4E+02	4.0E+02
	Neptunium-237	pCi/l	12	18	1.3E+00	1.7E+01	6.4E+01	6.1E+01
	Nickel	µg/l	18	63	4.8E+00	2.1E+01	1.1E+02	6.9E+01
	Nitrate, as Nitrogen	mg/l	63	63	4.8E+00	2.7E+01	6.6E+01	6.0E+01

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Mortandad (cont.)	Pentachlorophenol	µg/l	1	16	1.1E+01	1.1E+01	1.1E+01	
	pH		53	53	2.2E+00		8.6E+00	
	Phosphate, as Phosphorous	mg/l	47	47	6.0E-02	3.3E-01	9.0E-01	7.9E-01
	Phosphorous	mg/l	5	10	7.0E-02	1.0E-01	1.5E-01	1.6E-01
	Plutonium-238	pCi/l	55	57	3.0E-03	1.3E-01	2.4E+00	9.2E-01
	Plutonium-239, Plutonium-240	pCi/l	53	57	1.0E-02	3.5E-01	7.6E+00	2.9E+00
	Potassium	mg/l	63	63	3.8E+00	1.9E+01	3.6E+01	3.4E+01
	Potassium-40	pCi/l	8	14	2.8E+01	1.9E+02	3.9E+02	4.3E+02
	Protactinium-231	pCi/l	4	6	6.5E+00	1.0E+01	1.5E+01	1.8E+01
	Protactinium-233	pCi/l	3	6	1.5E-01	6.6E-01	1.3E+00	1.8E+00
	Protactinium-234M	pCi/l	5	6	2.9E+01	2.5E+02	5.0E+02	6.2E+02
	Pyridine	µg/l	2	5	1.0E+01	1.0E+01	1.0E+01	1.0E+01
	Radium-223	pCi/l	2	6	2.8E+00	5.5E+00	8.3E+00	1.3E+01
	Radium-224	pCi/l	1	6	3.2E+01	3.2E+01	3.2E+01	
	Radium-226	pCi/l	5	6	2.5E+01	9.4E+01	1.8E+02	2.2E+02
	Radon-219	pCi/l	2	6	5.9E-01	5.8E+00	1.1E+01	2.1E+01
	Ruthenium-106	pCi/l	8	18	2.1E+00	3.2E+01	6.1E+01	7.8E+01
	Selenium	µg/l	17	63	1.0E+00	2.7E+01	9.0E+01	9.9E+01
	Selenium-75	pCi/l	3	6	3.3E-01	9.6E-01	1.8E+00	2.5E+00
	Silica	mg/l	53	53	2.0E+01	4.2E+01	1.6E+02	8.5E+01
	Silver	µg/l	9	62	1.0E+00	2.7E+01	1.7E+02	1.3E+02
	Sodium	mg/l	63	63	1.8E+01	9.2E+01	1.5E+02	1.4E+02
	Sodium-22	pCi/l	18	18	3.6E+00	1.2E+01	3.3E+01	2.8E+01

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Mortandad (cont.)	Strontium	µg/l	63	63	7.5E+01	1.6E+02	3.9E+02	2.9E+02
	Strontium-85	pCi/l	2	6	3.5E+00	3.5E+00	3.5E+00	3.6E+00
	Strontium-90	pCi/l	52	57	1.0E-01	3.1E+01	1.3E+02	1.0E+02
	Sulfate	mg/l	62	62	5.0E+00	2.1E+01	8.1E+01	4.6E+01
	Thallium	µg/l	10	63	4.0E-02	1.1E+00	2.2E+00	3.1E+00
	Thallium-208	pCi/l	3	6	9.4E-02	3.3E+00	6.8E+00	1.0E+01
	Thorium-227	pCi/l	3	6	5.8E+00	8.7E+00	1.3E+01	1.7E+01
	Thorium-234	pCi/l	2	6	6.0E+00	1.6E+02	3.1E+02	5.8E+02
	Tin	µg/l	1	57	1.6E+01	1.6E+01	1.6E+01	
	Tin-113	pCi/l	3	6	6.7E-01	1.1E+00	1.6E+00	2.0E+00
	Total Dissolved Solids	mg/l	55	55	2.0E+02	4.3E+02	7.9E+02	7.2E+02
	Total Suspended Solids	mg/l	13	21	1.0E+00	1.2E+02	8.6E+02	6.2E+02
	Trichlorobenzene [1,2,4-]	µg/l	1	22	5.0E+00	5.0E+00	5.0E+00	
	Tritium	nCi/l	57	57	1.4E+01	2.9E+01	1.1E+02	6.9E+01
	Turbidity	NTU	8	8	3.5E-01	3.9E+00	1.7E+01	1.6E+01
	Uranium	µg/l	58	58	4.0E-01	2.3E+00	6.5E+00	5.1E+00
	Vanadium	µg/l	21	63	3.0E+00	2.3E+01	7.0E+01	5.5E+01
	Yttrium-88	pCi/l	3	6	1.0E+00	1.7E+00	2.3E+00	3.0E+00
	Zinc	µg/l	34	63	6.0E+00	5.6E+01	1.7E+02	1.3E+02
	Zinc-65	pCi/l	5	6	7.8E-01	1.2E+00	1.6E+00	2.0E+00
Pajarito	Aluminum	µg/l	16	16	5.0E+01	1.5E+04	1.0E+05	8.2E+04
	Americium-241	pCi/l	8	8	1.0E-02	3.8E-02	6.3E-02	7.7E-02
	Antimony	µg/l	6	16	5.0E-01	1.2E+00	2.0E+00	2.5E+00

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Pajarito (cont.)	Arsenic	µg/l	8	15	3.0E+00	1.6E+01	6.8E+01	6.3E+01
	Barium	µg/l	13	13	2.9E+01	5.2E+02	2.8E+03	2.5E+03
	Beryllium	µg/l	3	13	3.0E+00	1.1E+01	1.9E+01	2.7E+01
	Bicarbonate	mg/l	17	17	2.8E+01	8.9E+01	3.2E+02	2.4E+02
	Boron	µg/l	12	16	2.0E+01	3.3E+01	5.8E+01	5.6E+01
	Cadmium	µg/l	7	16	3.0E-01	1.8E+00	7.0E+00	6.6E+00
	Calcium	mg/l	17	17	6.0E+00	4.1E+01	2.1E+02	1.4E+02
	Cesium-137	pCi/l	10	16	1.8E+00	4.2E+01	2.4E+02	2.0E+02
	Chlorine	mg/l	17	17	6.0E+00	6.9E+01	4.5E+02	2.9E+02
	Chromium	µg/l	6	13	2.0E+00	2.1E+02	7.4E+02	8.1E+02
	Cobalt	µg/l	4	16	4.0E+00	3.0E+01	5.9E+01	8.6E+01
	Copper	µg/l	9	16	2.0E+00	2.8E+01	1.3E+02	1.1E+02
	Fluorine	mg/l	13	17	1.0E-01	1.9E-01	4.4E-01	3.6E-01
	Gross Alpha	pCi/l	12	16	7.9E-01	7.7E+00	5.0E+01	3.5E+01
	Gross Beta	pCi/l	16	16	2.0E+00	9.1E+00	5.4E+01	3.4E+01
	Gross Gamma	pCi/l	15	16	2.2E+01	9.1E+01	3.4E+02	2.5E+02
	Hardness	mg/l	17	17	2.0E+01	1.7E+02	7.8E+02	6.1E+02
	Iron	µg/l	16	16	2.6E+02	1.9E+04	1.2E+05	9.5E+04
	Lead	µg/l	11	17	1.4E+00	4.0E+01	2.1E+02	1.8E+02
	Lithium	mg/l	2	3	1.0E-03	1.0E-03	1.0E-03	1.0E-03
	Magnesium	mg/l	17	17	1.4E+00	9.9E+00	4.8E+01	3.3E+01
	Manganese	µg/l	16	16	3.0E+00	1.8E+03	1.3E+04	8.6E+03
	Mercury	µg/l	8	16	1.0E-01	3.4E-01	6.0E-01	6.6E-01
	Molybdenum	µg/l	7	16	1.0E+00	7.7E+00	2.0E+01	2.2E+01
	Nickel	µg/l	3	16	1.0E+01	5.8E+01	9.8E+01	1.5E+02

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Pajarito (cont.)	Nitrate, as Nitrogen	mg/l	13	17	6.0E-02	2.9E+00	1.7E+01	1.3E+01
	pH		17	17	6.5E+00		7.5E+00	
	Phosphate, as Phosphorous	mg/l	13	14	2.0E-02	4.1E-01	3.1E+00	2.1E+00
	Plutonium-238	pCi/l	7	16	2.0E-03	2.0E-02	5.9E-02	5.9E-02
	Plutonium-239, Plutonium-240	pCi/l	14	16	4.0E-03	1.6E-02	3.6E-02	3.5E-02
	Potassium	mg/l	14	14	1.0E+00	4.1E+00	1.6E+01	1.1E+01
	Selenium	µg/l	2	15	1.0E+00	3.5E+00	6.0E+00	1.1E+01
	Silica	mg/l	17	17	2.7E+01	3.6E+01	4.7E+01	4.8E+01
	Silver	µg/l	5	16	3.0E-01	2.0E+00	5.0E+00	5.9E+00
	Sodium	mg/l	17	17	4.0E+00	3.3E+01	1.6E+02	1.1E+02
	Strontium	µg/l	16	16	5.0E+01	3.0E+02	1.5E+03	1.0E+03
	Strontium-90	pCi/l	10	10	2.0E-01	8.7E-01	1.7E+00	1.9E+00
	Sulfate	mg/l	17	17	3.3E+00	2.1E+01	1.5E+02	9.3E+01
	Thallium	µg/l	4	16	9.0E-02	1.1E+00	2.0E+00	3.2E+00
	Tin	µg/l	4	13	1.0E+01	2.4E+01	4.4E+01	5.2E+01
	Total Dissolved Solids	mg/l	17	17	1.1E+01	2.8E+02	1.4E+03	9.2E+02
	Total Suspended Solids	mg/l	1	4	1.0E+00	1.0E+00	1.0E+00	
	Tritium	nCi/l	13	16	1.0E-01	4.3E-01	8.0E-01	8.8E-01
	Uranium	µg/l	12	16	6.0E-02	2.5E+00	1.8E+01	1.3E+01
	Vanadium	µg/l	6	13	1.0E+01	5.8E+01	1.4E+02	1.9E+02
	Zinc	µg/l	12	16	3.0E+00	1.0E+02	6.4E+02	4.9E+02

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Pueblo	Acetone	µg/l	2	6	5.0E+00	5.0E+00	5.0E+00	5.0E+00
	Aluminum	µg/l	9	12	1.3E+02	2.3E+03	8.5E+03	8.6E+03
	Americium-241	pCi/l	13	17	1.8E-02	2.4E+00	1.4E+01	1.2E+01
	Antimony	µg/l	2	12	1.6E+00	1.8E+00	2.0E+00	2.4E+00
	Arsenic	µg/l	10	12	3.8E+00	8.1E+00	1.1E+01	1.3E+01
	Barium	µg/l	10	12	6.0E-02	8.9E+01	2.4E+02	2.6E+02
	Barium-140	pCi/l	2	2	6.0E+00	7.0E+00	8.0E+00	9.8E+00
	Beryllium	µg/l	1	12	8.0E+00	8.0E+00	8.0E+00	
	Bicarbonate	mg/l	10	10	1.1E+02	1.4E+02	1.7E+02	1.8E+02
	Bis(2-ethylhexyl) phthalate	µg/l	1	5	8.0E+00	8.0E+00	8.0E+00	
	Boron	µg/l	11	11	2.0E+02	2.7E+02	5.0E+02	4.5E+02
	Cadmium	µg/l	2	12	2.0E-01	6.0E-01	1.0E+00	1.7E+00
	Calcium	mg/l	12	12	1.7E+01	2.1E+01	2.7E+01	2.9E+01
	Cerium-144	pCi/l	2	6	2.8E-01	1.8E+00	3.4E+00	6.3E+00
	Cesium-137	pCi/l	7	11	7.8E-01	3.6E+00	1.3E+01	1.3E+01
	Chlorine	mg/l	10	10	3.5E+01	3.8E+01	4.7E+01	4.5E+01
	Chromium	µg/l	4	12	6.0E+00	3.3E+03	7.7E+03	1.1E+04
	Cobalt	µg/l	5	12	3.1E+00	8.3E+00	1.7E+01	1.9E+01
	Cobalt-57	pCi/l	3	4	3.3E-01	1.0E+00	1.8E+00	2.5E+00
	Cobalt-60	pCi/l	5	6	1.2E+00	8.1E+00	1.9E+01	2.6E+01
	Copper	µg/l	5	12	2.5E+00	1.5E+01	5.1E+01	5.6E+01
	Europium-152	pCi/l	5	6	3.0E+00	2.4E+01	7.1E+01	8.2E+01
	Fluorine	mg/l	12	12	4.0E-01	5.6E-01	7.0E-01	7.2E-01
	Gross Alpha	pCi/l	6	12	2.0E-01	3.6E+00	9.0E+00	1.0E+01

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Pueblo (cont.)	Gross Beta	pCi/l	12	12	1.0E+01	1.4E+01	1.9E+01	2.0E+01
	Gross Gamma	pCi/l	10	10	3.6E+01	1.2E+02	2.8E+02	2.8E+02
	Hardness	mg/l	6	6	7.0E+01	8.2E+01	8.7E+01	9.5E+01
	Iodine-129	pCi/l	1	1	7.7E-01	7.7E-01	7.7E-01	
	Iron	µg/l	10	12	5.0E+01	1.4E+03	5.6E+03	5.7E+03
	Lead	µg/l	5	12	1.0E+00	6.0E+00	1.8E+01	2.0E+01
	Lithium	mg/l	5	8	2.0E-02	2.8E-02	4.7E-02	5.0E-02
	Magnesium	mg/l	10	12	3.5E+00	4.6E+00	5.8E+00	6.4E+00
	Manganese	µg/l	12	12	1.3E+02	1.5E+03	6.6E+03	5.0E+03
	Molybdenum	µg/l	2	12	1.2E+00	3.6E+00	6.0E+00	1.0E+01
	Neptunium-237	pCi/l	2	6	9.0E+00	5.8E+01	1.1E+02	1.9E+02
	Nickel	µg/l	3	12	4.7E+00	6.7E+00	1.0E+01	1.2E+01
	Nitrate, as Nitrogen	mg/l	11	12	3.4E-01	3.0E+00	1.4E+01	1.1E+01
	pH		10	10	6.9E+00		7.7E+00	
	Phosphate, as Phosphorous	mg/l	7	7	2.2E+00	3.4E+00	4.9E+00	5.5E+00
	Phosphorous	mg/l	4	4	8.2E-02	2.4E+00	4.8E+00	7.9E+00
	Plutonium-238	pCi/l	7	12	3.0E-03	2.1E-02	8.9E-02	8.3E-02
	Plutonium-239, Plutonium-240	pCi/l	12	12	2.4E-02	1.1E-01	4.0E-01	3.4E-01
	Potassium	mg/l	12	12	1.0E+01	1.4E+01	2.1E+01	2.0E+01
	Potassium-40	pCi/l	3	4	6.7E+00	8.2E+02	1.3E+03	2.2E+03
	Ruthenium-106	pCi/l	3	6	3.2E+00	7.9E+00	1.1E+01	1.6E+01
	Selenium	µg/l	1	12	3.0E+00	3.0E+00	3.0E+00	
	Silica	mg/l	10	10	3.5E+01	5.6E+01	7.8E+01	9.0E+01

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Pueblo (cont.)	Silver	µg/l	1	12	2.0E+00	2.0E+00	2.0E+00	
	Sodium	mg/l	12	12	6.0E+01	6.5E+01	6.9E+01	7.0E+01
	Sodium-22	pCi/l	4	6	1.0E-01	3.6E+00	1.2E+01	1.5E+01
	Strontium	µg/l	12	12	8.7E+01	1.3E+02	3.0E+02	2.4E+02
	Strontium-90	pCi/l	9	11	2.0E-01	1.5E+00	4.2E+00	4.2E+00
	Sulfate	mg/l	11	11	6.8E+00	1.5E+01	2.7E+01	3.0E+01
	Thallium	µg/l	2	11	2.0E-01	4.0E-01	6.0E-01	9.7E-01
	Total Dissolved Solids	mg/l	10	10	2.4E+02	3.0E+02	4.0E+02	3.9E+02
	Total Suspended Solids	mg/l	1	5	2.4E+00	2.4E+00	2.4E+00	
	Tritium	nCi/l	7	12	1.0E-01	3.4E-01	1.1E+00	1.0E+00
	Turbidity	NTU	4	4	1.5E+00	2.5E+00	5.6E+00	6.6E+00
	Uranium	µg/l	12	12	4.0E-02	6.0E-01	1.8E+00	1.6E+00
Intermediate Perched Groundwater Los Alamos	Vanadium	µg/l	8	12	3.4E+00	1.3E+01	3.0E+01	3.2E+01
	Zinc	µg/l	9	12	7.8E+00	5.0E+01	1.6E+02	1.4E+02
	Aluminum	µg/l	6	7	6.0E+01	3.1E+03	1.5E+04	1.5E+04
	Americium-241	pCi/l	3	6	3.0E-02	6.0E-02	1.1E-01	1.5E-01
	Antimony	µg/l	4	7	4.0E-01	7.5E-01	1.0E+00	1.4E+00
	Arsenic	µg/l	6	7	3.0E+00	6.0E+00	1.3E+01	1.3E+01
	Barium	µg/l	6	6	4.8E+01	9.0E+01	1.7E+02	1.8E+02
	Beryllium	µg/l	1	7	3.0E+00	3.0E+00	3.0E+00	
	Bicarbonate	mg/l	7	7	5.3E+01	9.1E+01	1.2E+02	1.5E+02
	Boron	µg/l	7	7	6.3E+01	1.5E+02	2.7E+02	3.3E+02
	Bromine	µg/l	1	1	8.0E+01	8.0E+01	8.0E+01	
	Cadmium	µg/l	1	7	5.0E+00	5.0E+00	5.0E+00	

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Intermediate Perched Groundwater Los Alamos (cont.)	Calcium	mg/l	7	7	1.2E+01	2.6E+01	3.7E+01	4.2E+01
	Cesium-137	pCi/l	4	7	1.2E+00	4.9E+00	1.3E+01	1.6E+01
	Chlorine	mg/l	7	7	2.1E+01	3.6E+01	6.1E+01	6.4E+01
	Chloroethane	µg/l	1	2	2.1E+01	2.1E+01	2.1E+01	
	Chromium	µg/l	3	7	1.5E+00	3.2E+00	5.0E+00	6.7E+00
	Cobalt	µg/l	1	7	1.5E+01	1.5E+01	1.5E+01	
	Copper	µg/l	5	7	3.0E+00	1.3E+01	3.0E+01	3.5E+01
	Cyanide	mg/l	1	5	2.3E-02	2.3E-02	2.3E-02	
	Fluorine	mg/l	7	7	3.0E-01	4.5E-01	8.0E-01	7.9E-01
	Gross Alpha	pCi/l	5	7	1.0E+00	2.5E+00	4.0E+00	5.4E+00
	Gross Beta	pCi/l	7	7	5.0E+00	1.4E+01	5.2E+01	4.8E+01
	Gross Gamma	pCi/l	6	7	2.0E+01	6.2E+01	1.9E+02	1.9E+02
	Hardness	mg/l	7	7	4.3E+01	8.7E+01	1.3E+02	1.4E+02
	Iron	µg/l	7	7	3.0E+01	1.9E+03	1.1E+04	1.0E+04
	Lead	µg/l	5	8	1.0E+00	7.4E+00	2.8E+01	3.1E+01
	Magnesium	mg/l	7	7	3.1E+00	6.1E+00	9.4E+00	1.1E+01
	Manganese	µg/l	6	7	1.7E+01	2.6E+02	6.8E+02	8.9E+02
	Mercury	µg/l	3	7	1.0E-01	4.3E-01	8.0E-01	1.1E+00
	Molybdenum	µg/l	5	7	3.0E+00	3.0E+01	6.9E+01	9.6E+01
	Nickel	µg/l	1	7	3.4E+01	3.4E+01	3.4E+01	
	Nitrate, as Nitrogen	mg/l	8	8	5.0E-01	4.7E+00	1.5E+01	1.5E+01
	Nitrite, as Nitrogen	mg/l	1	1	9.2E-01	9.2E-01	9.2E-01	
	pH		7	7	6.7E+00		8.3E+00	
	Phosphate	mg/l	6	6	2.0E-01	2.6E+00	6.9E+00	7.8E+00
	Phosphorus	mg/l	1	1	5.7E+00	5.7E+00	5.7E+00	

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Intermediate Perched Groundwater Los Alamos (cont.)	Plutonium-238	pCi/l	4	7	1.2E-02	1.7E-02	3.0E-02	3.4E-02
	Plutonium-239, Plutonium-240	pCi/l	6	7	1.4E-02	5.6E-02	1.4E-01	1.5E-01
	Potassium	mg/l	6	6	4.0E+00	8.0E+00	1.2E+01	1.4E+01
	Silica	mg/l	8	8	3.9E+01	5.8E+01	8.1E+01	8.5E+01
	Silver	µg/l	1	7	1.0E+00	1.0E+00	1.0E+00	
	Sodium	mg/l	7	7	2.7E+01	4.2E+01	6.7E+01	7.1E+01
	Strontium	µg/l	7	7	6.0E+01	1.4E+02	2.0E+02	2.5E+02
	Strontium-90	pCi/l	5	6	4.0E-01	4.6E+00	2.1E+01	2.3E+01
	Sulfate	mg/l	7	7	8.0E+00	1.9E+01	3.4E+01	3.7E+01
	Thallium	µg/l	2	7	4.0E-02	2.2E-01	4.0E-01	7.3E-01
	Total Dissolved Solids	mg/l	7	7	2.4E+02	3.1E+02	3.8E+02	4.1E+02
	Total Suspended Solids	mg/l	2	2	3.7E+00	1.7E+01	3.0E+01	5.4E+01
	Tritium	nCi/l	6	7	2.0E-01	6.8E-01	2.0E+00	2.1E+00
	Uranium	µg/l	7	7	5.9E-01	1.3E+00	3.3E+00	3.4E+00
	Vanadium	µg/l	7	7	7.0E+00	1.5E+01	3.0E+01	3.1E+01
	Zinc	µg/l	4	7	1.0E+01	3.6E+01	8.2E+01	9.9E+01
Pueblo	Aluminum	µg/l	3	12	4.0E+01	1.0E+02	2.3E+02	3.2E+02
	Americium-241	pCi/l	5	7	1.1E-02	3.5E-02	6.5E-02	8.8E-02
	Antimony	µg/l	3	12	1.0E-01	4.5E+01	1.3E+02	2.0E+02
	Arsenic	µg/l	4	12	2.0E+00	4.4E+00	7.0E+00	9.0E+00
	Barium	µg/l	8	10	3.0E+01	4.7E+01	8.2E+01	8.6E+01
	Bicarbonate	mg/l	12	12	6.8E+01	1.0E+02	1.6E+02	1.6E+02
	Boron	µg/l	11	12	3.0E+01	1.5E+02	2.3E+02	2.8E+02

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Pueblo (cont.)	Cadmium	µg/l	3	12	4.0E-01	5.9E+00	1.0E+01	1.6E+01
	Calcium	mg/l	12	12	1.0E+01	2.8E+01	3.8E+01	4.7E+01
	Cesium-137	pCi/l	8	12	3.2E-01	1.0E+01	5.6E+01	4.9E+01
	Chlorine	mg/l	12	12	4.6E+00	3.7E+01	6.0E+01	6.9E+01
	Chromium	µg/l	2	12	1.6E+00	4.0E+00	6.4E+00	1.1E+01
	Cobalt	µg/l	1	12	9.0E+00	9.0E+00	9.0E+00	
	Copper	µg/l	4	12	8.0E+00	3.3E+01	5.5E+01	7.7E+01
	Fluorine	mg/l	12	12	2.0E-01	4.9E-01	9.0E-01	1.0E+00
	Gross Alpha	pCi/l	4	12	1.0E+00	1.5E+00	2.0E+00	2.7E+00
	Gross Beta	pCi/l	12	12	1.2E+00	5.2E+00	9.0E+00	1.0E+01
	Gross Gamma	pCi/l	9	12	1.0E+01	1.0E+02	2.4E+02	2.4E+02
	Hardness	mg/l	12	12	3.3E+01	9.6E+01	1.2E+02	1.6E+02
	Iron	µg/l	12	12	4.5E+02	7.9E+03	5.7E+04	4.1E+04
	Lead	µg/l	10	14	4.6E+00	3.6E+01	9.1E+01	1.1E+02
	Lithium	mg/l	2	2	1.3E-02	2.4E-02	3.5E-02	5.5E-02
	Magnesium	mg/l	12	12	1.8E+00	6.7E+00	8.6E+00	1.0E+01
	Manganese	µg/l	12	12	5.6E+01	1.2E+02	2.0E+02	2.1E+02
	Mercury	µg/l	3	12	2.0E-01	3.7E-01	7.0E-01	9.4E-01
	Molybdenum	µg/l	5	12	5.0E+00	8.8E+00	1.5E+01	1.6E+01
	Nickel	µg/l	2	12	2.0E+01	3.1E+01	4.1E+01	6.0E+01
	Nitrate, as Nitrogen	mg/l	10	12	9.0E-02	6.0E+00	1.9E+01	1.8E+01
	pH		6	6	7.1E+00		8.6E+00	
	Phosphate, as Phosphorous	mg/l	9	10	1.0E-01	1.2E+00	4.1E+00	4.1E+00
	Plutonium-238	pCi/l	5	15	3.0E-03	8.2E-03	1.9E-02	2.1E-02

**TABLE C-7.—Groundwater Detection Statistics by Watershed and by Analyte
(Environmental Surveillance Report Data 1991 to 1996)-Continued**

GROUNDWATER REGIME ^a	ANALYTE	UNITS ^b	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	95% UCL ^c
Pueblo (cont.)	Plutonium-239, Plutonium-240	pCi/l	9	15	7.0E-03	1.6E-01	1.3E+00	1.0E+00
	Potassium	mg/l	11	12	1.6E+00	4.9E+00	9.6E+00	9.7E+00
	Selenium	µg/l	1	12	2.0E+00	2.0E+00	2.0E+00	
	Silica	mg/l	11	12	7.0E+00	4.3E+01	6.8E+01	8.3E+01
	Sodium	mg/l	12	12	1.8E+01	4.3E+01	8.8E+01	8.6E+01
	Strontium	µg/l	11	12	3.3E+01	1.5E+02	2.1E+02	2.7E+02
	Strontium-90	pCi/l	5	8	1.0E-01	4.6E-01	7.0E-01	9.6E-01
	Sulfate	mg/l	11	12	7.3E+00	2.2E+01	3.1E+01	3.6E+01
	Thallium	µg/l	2	12	1.0E-01	6.0E-01	1.1E+00	2.0E+00
	Tin	µg/l	1	10	7.0E+01	7.0E+01	7.0E+01	
	Total Dissolved Solids	mg/l	10	12	1.8E+02	2.6E+02	3.3E+02	3.7E+02
	Total Suspended Solids	mg/l	2	4	7.6E+00	9.3E+00	1.1E+01	1.4E+01
	Tritium	nCi/l	12	12	1.8E-01	1.2E+00	3.1E+00	3.7E+00
	Uranium	µg/l	10	12	8.0E-02	3.7E-01	8.0E-01	8.0E-01
	Vanadium	µg/l	3	12	2.0E+00	6.0E+00	1.1E+01	1.5E+01
	Zinc	µg/l	11	12	1.4E+02	3.0E+03	9.5E+03	9.3E+03

^a Groundwater regime designations are in accordance with the Environmental Surveillance Program.^b pCi/l is picocuries of radioactive analyte per liter of sample, nCi/l is nanocuries of radioactive analyte per liter, µg/l is micrograms of analyte per liter of sample, mg/l is milligrams of analyte per liter of sample, NTU is nephelometric turbidity units.^c Upper confidence limit (UCL) not calculated when the number of detected analyses equals 1.

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Acid Canyon (Part of Pueblo/ Acid Canyon)	Acenaphthene	mg/kg	1	26	1.8E+00	1.8E+00	1.8E+00	
	Acetone	mg/kg	2	3	3.4E-02	4.0E-02	4.5E-02	5.1E-02
	Anthracene	mg/kg	1	26	2.2E+00	2.2E+00	2.2E+00	
	Benzo(a)anthracene	mg/kg	1	26	2.5E+00	2.5E+00	2.5E+00	
	Benzo(a)pyrene	mg/kg	1	26	2.6E+00	2.6E+00	2.6E+00	
	Benzo(b)fluoranthene	mg/kg	2	26	3.6E-01	1.5E+00	2.7E+00	3.9E+00
	Benzo(g,h,i)perylene	mg/kg	1	26	1.3E+00	1.3E+00	1.3E+00	
	Benzo(k)fluoranthene	mg/kg	1	26	1.0E+00	1.0E+00	1.0E+00	
	Chlordane[alpha-]	mg/kg	1	2	5.0E-03	5.0E-03	5.0E-03	
	Chlordane[gamma-]	mg/kg	1	2	6.6E-03	6.6E-03	6.6E-03	
	Chrysene	mg/kg	1	26	2.3E+00	2.3E+00	2.3E+00	
	DDT[4,4'-]	mg/kg	1	2	2.2E-02	2.2E-02	2.2E-02	
	Dibenzofuran	mg/kg	1	26	1.6E+00	1.6E+00	1.6E+00	
	Dieldrin	mg/kg	1	2	4.7E-03	4.7E-03	4.7E-03	
	Fluoranthene	mg/kg	1	26	5.2E+00	5.2E+00	5.2E+00	
	Fluorene	mg/kg	1	26	2.7E+00	2.7E+00	2.7E+00	
	Indeno(1,2,3-cd) pyrene	mg/kg	1	26	1.2E+00	1.2E+00	1.2E+00	
	Methylene Chloride	mg/kg	1	3	7.0E-03	7.0E-03	7.0E-03	
	Methylnaphthalene[2-]	mg/kg	1	26	2.3E+00	2.3E+00	2.3E+00	
	Naphthalene	mg/kg	1	29	8.5E+00	8.5E+00	8.5E+00	
	Phenanthrene	mg/kg	1	26	7.6E+00	7.6E+00	7.6E+00	
	Pyrene	mg/kg	4	26	3.8E-01	1.5E+00	4.7E+00	3.7E+00
Ancho Canyon	Acenaphthene	mg/kg	12	279	3.3E-02	2.7E+00	1.0E+01	4.5E+00
	Amino-2,6- dinitrotoluene[4-]	mg/kg	3	242	9.7E-02	2.4E-01	4.5E-01	4.6E-01

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Ancho Canyon (Cont.)	Amino-4,6-dinitrotoluene[2-]	mg/kg	2	242	4.3E-01	4.9E-01	5.5E-01	6.2E-01
	Anthracene	mg/kg	16	279	6.6E-02	3.4E+00	1.6E+01	5.7E+00
	Aroclor-1016	mg/kg	4	96	1.8E-01	3.1E-01	7.0E-01	5.7E-01
	Aroclor-1221	mg/kg	4	96	3.5E-01	6.2E-01	1.4E+00	1.1E+00
	Aroclor-1232	mg/kg	4	96	1.8E-01	3.1E-01	7.0E-01	5.7E-01
	Aroclor-1242	mg/kg	14	144	1.8E-01	2.3E+02	3.1E+03	6.7E+02
	Aroclor-1248	mg/kg	13	96	3.6E-02	2.0E+00	2.1E+01	5.1E+00
	Aroclor-1254	mg/kg	32	144	3.7E-02	1.5E+00	2.2E+01	3.1E+00
	Aroclor-1260	mg/kg	14	144	3.6E-02	1.5E+00	7.4E+00	2.5E+00
	Aroclors (Mixed)	mg/kg	16	64	3.7E-02	2.0E+02	3.1E+03	5.9E+02
	Benzo(a)anthracene	mg/kg	19	279	2.3E-01	6.1E+00	3.2E+01	1.0E+01
	Benzo(a)pyrene	mg/kg	21	279	1.6E-01	5.8E+00	2.9E+01	9.2E+00
	Benzo(b)fluoranthene	mg/kg	23	279	2.0E-01	5.7E+00	3.5E+01	9.5E+00
	Benzo(g,h,i)perylene	mg/kg	22	279	1.3E-01	2.2E+00	9.6E+00	3.4E+00
	Benzo(k)fluoranthene	mg/kg	21	279	2.0E-01	2.7E+00	1.1E+01	3.9E+00
	Benzoic Acid	mg/kg	5	279	4.9E-02	5.7E-01	1.1E+00	9.3E-01
	Bis(2-ethylhexyl)phthalate	mg/kg	21	279	3.8E-02	5.4E-01	1.7E+00	7.4E-01
	Butylbenzylphthalate	mg/kg	1	279	2.2E-01	2.2E-01	2.2E-01	
	Chrysene	mg/kg	23	279	1.8E-01	5.7E+00	3.3E+01	9.5E+00
	DDD[4,4'-]	mg/kg	1	42	1.1E-02	1.1E-02	1.1E-02	
	DDE[4,4'-]	mg/kg	1	42	7.9E-02	7.9E-02	7.9E-02	
	DDT[4,4'-]	mg/kg	2	42	5.5E-03	1.0E-02	1.5E-02	2.0E-02
	Di-n-butylphthalate	mg/kg	26	279	3.6E-02	2.4E+00	1.3E+01	3.9E+00
	Di-n-octylphthalate	mg/kg	1	279	4.5E+00	4.5E+00	4.5E+00	
	Dibenz(a,h)anthracene	mg/kg	7	279	3.3E-02	2.0E+00	4.0E+00	3.3E+00
	Dibenzofuran	mg/kg	8	279	4.1E-01	1.8E+00	5.6E+00	3.0E+00

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Ancho Canyon (Cont.)	Fluorene	mg/kg	12	279	3.6E-01	2.8E+00	1.0E+01	4.7E+00
	HMX	mg/kg	4	242	1.3E+00	1.2E+01	2.5E+01	2.3E+01
	Indeno(1,2,3-cd) pyrene	mg/kg	20	279	1.3E-01	3.9E+00	1.7E+01	6.4E+00
	Methylnaphthalene[2-]	mg/kg	5	279	4.0E-01	7.5E-01	1.1E+00	1.0E+00
	Naphthalene	mg/kg	10	279	1.7E-01	2.7E+00	8.4E+00	4.4E+00
	Nitrotoluene[2-]	mg/kg	3	242	7.9E-01	1.4E+00	1.9E+00	2.1E+00
	Nitrotoluene[3-]	mg/kg	3	242	6.0E-01	2.0E+00	4.8E+00	4.8E+00
	Nitrotoluene[4-]	mg/kg	2	242	3.2E+00	4.3E+00	5.4E+00	6.5E+00
	Phenanthrene	mg/kg	21	279	3.0E-01	1.4E+01	7.9E+01	2.4E+01
	Pyrene	mg/kg	23	279	4.3E-01	1.2E+01	7.3E+01	2.0E+01
	RDX	mg/kg	1	242	9.2E+00	9.2E+00	9.2E+00	9.2E+00
	Tetryl	mg/kg	3	242	3.5E-01	9.7E-01	2.0E+00	2.0E+00
	Trinitrobenzene[1,3,5-]	mg/kg	3	242	3.1E-01	3.1E+00	8.0E+00	8.0E+00
	Trinitrotoluene[2,4,6-]	mg/kg	1	242	1.0E+00	1.0E+00	1.0E+00	
Barrancas Canyon	Amino-2,6-dinitrotoluene[4-]	mg/kg	1	8	1.6E-01	1.6E-01	1.6E-01	
	Dinitrotoluene[2,6-]	mg/kg	1	8	7.9E-01	7.9E-01	7.9E-01	
	HMX	mg/kg	1	8	1.6E+00	1.6E+00	1.6E+00	
	Nitrobenzene	mg/kg	2	8	1.0E-01	1.3E-01	1.5E-01	1.8E-01
	Nitrotoluene[2-]	mg/kg	1	8	2.1E-01	2.1E-01	2.1E-01	
	Nitrotoluene[3-]	mg/kg	1	8	4.4E-01	4.4E-01	4.4E-01	
	Nitrotoluene[4-]	mg/kg	1	8	4.7E-01	4.7E-01	4.7E-01	
Bayo Canyon	Nitrobenzene	mg/kg	1	36	9.8E-02	9.8E-02	9.8E-02	
	Nitrotoluene[3-]	mg/kg	2	28	2.1E-01	2.1E-01	2.1E-01	2.1E-01

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Cañada del Buey	Acenaphthene	mg/kg	10	172	4.5E-01	2.6E+00	7.8E+00	4.4E+00
	Acenaphthylene	mg/kg	3	172	6.3E-01	1.9E+00	2.8E+00	3.2E+00
	Acetone	mg/kg	2	80	4.1E-02	2.3E-01	4.2E-01	6.1E-01
	Aldrin	mg/kg	1	74	4.9E-02	4.9E-02	4.9E-02	
	Anthracene	mg/kg	16	172	4.1E-01	2.4E+00	1.3E+01	4.1E+00
	Aroclor-1254	mg/kg	10	159	7.0E-02	4.6E+00	2.2E+01	1.0E+01
	Aroclor-1260	mg/kg	4	159	4.3E-02	1.7E-01	3.7E-01	3.2E-01
	Aroclors (Mixed)	mg/kg	2	85	7.0E-02	1.1E+01	2.2E+01	3.2E+01
	BHC[alpha-]	mg/kg	1	74	4.0E-03	4.0E-03	4.0E-03	
	BHC[delta-]	mg/kg	1	74	1.6E-01	1.6E-01	1.6E-01	
	BHC[gamma-]	mg/kg	3	74	2.8E-03	3.1E-02	8.2E-02	8.2E-02
	Benzo(a)anthracene	mg/kg	36	172	3.6E-01	2.4E+00	1.7E+01	3.6E+00
	Benzo(a)pyrene	mg/kg	33	172	4.7E-01	2.3E+00	1.6E+01	3.3E+00
	Benzo(b)fluoranthene	mg/kg	38	172	4.1E-01	3.3E+00	2.1E+01	4.8E+00
	Benzo(g,h,i)perylene	mg/kg	16	172	4.3E-01	1.9E+00	1.1E+01	3.2E+00
	Benzo(k)fluoranthene	mg/kg	22	172	4.1E-01	2.9E+00	2.8E+01	5.4E+00
	Bis(2-ethylhexyl) phthalate	mg/kg	24	172	3.7E-01	1.4E+00	4.4E+00	1.8E+00
	Butylbenzylphthalate	mg/kg	4	172	4.3E-01	1.1E+00	2.9E+00	2.3E+00
	Chrysene	mg/kg	40	172	3.6E-01	2.8E+00	2.6E+01	4.5E+00
	DDD[4,4'-]	mg/kg	2	74	4.5E-03	1.3E-02	2.1E-02	2.9E-02
	DDE[4,4'-]	mg/kg	6	74	6.2E-03	2.4E-02	8.4E-02	4.9E-02
	DDT[4,4'-]	mg/kg	8	74	6.1E-03	1.5E-02	4.9E-02	2.5E-02
	Di-n-butylphthalate	mg/kg	6	172	4.4E-01	1.1E+00	1.8E+00	1.6E+00
	Di-n-octylphthalate	mg/kg	1	172	7.4E-01	7.4E-01	7.4E-01	
	Dibenz(a,h)anthracene	mg/kg	5	172	4.5E-01	1.9E+00	4.8E+00	3.6E+00
	Dibenzofuran	mg/kg	7	172	4.5E-01	3.2E+00	1.2E+01	6.4E+00

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Cañada del Buey (Cont.)	Dieldrin	mg/kg	15	75	7.9E-04	1.2E-02	1.1E-01	2.6E-02
	Endosulfan II	mg/kg	9	74	2.5E-03	9.2E-03	2.1E-02	1.4E-02
	Endosulfan Sulfate	mg/kg	2	75	1.8E-03	1.9E-03	2.0E-03	2.1E-03
	Endrin	mg/kg	6	74	2.3E-03	1.1E-02	2.7E-02	1.8E-02
	Endrin Aldehyde	mg/kg	6	74	3.1E-03	3.9E-02	1.8E-01	9.5E-02
	Fluoranthene	mg/kg	52	172	3.7E-01	6.3E+00	7.4E+01	1.0E+01
	Fluorene	mg/kg	8	172	4.7E-01	3.5E+00	1.1E+01	6.4E+00
	Heptachlor	mg/kg	1	75	2.8E-02	2.8E-02	2.8E-02	
	Heptachlor Epoxide	mg/kg	6	75	3.0E-03	6.8E-03	1.5E-02	1.0E-02
	Indeno(1,2,3-cd)pyrene	mg/kg	20	172	3.6E-01	2.0E+00	1.1E+01	3.4E+00
	Isopropyltoluene[4-]	mg/kg	1	80	3.5E-02	3.5E-02	3.5E-02	
	Methoxychlor[4,4'-]	mg/kg	7	75	2.6E-02	4.0E+01	2.8E+02	1.2E+02
	Methylene Chloride	mg/kg	7	80	6.8E-03	1.4E-02	5.1E-02	2.7E-02
	Methylnaphthalene[2-]	mg/kg	4	172	4.3E-01	3.8E+00	9.8E+00	7.9E+00
	Methylphenol[4-]	mg/kg	2	172	5.4E-01	8.7E-01	1.2E+00	1.5E+00
	Naphthalene	mg/kg	8	179	4.7E-01	8.0E+00	3.9E+01	1.7E+01
	Phenanthrene	mg/kg	44	172	3.8E-01	6.8E+00	8.3E+01	1.2E+01
	Phenol	mg/kg	1	172	5.6E-01	5.6E-01	5.6E-01	
	Pyrene	mg/kg	49	172	3.8E-01	5.8E+00	6.2E+01	9.0E+00
	Trichloro-1,2,2-trifluoroethane[1,1,2-]	mg/kg	2	80	6.0E-03	1.5E+00	3.0E+00	4.5E+00
	Trichloroethane[1,1,1-]	mg/kg	2	80	7.0E-03	1.1E+01	2.1E+01	3.1E+01
	Trichloroethene	mg/kg	2	80	2.1E-02	6.6E-01	1.3E+00	1.9E+00
	Trichlorofluoromethane	mg/kg	1	80	6.0E-03	6.0E-03	6.0E-03	
Chaquehui Canyon	Acenaphthene	mg/kg	20	235	4.5E-02	1.2E+00	1.3E+01	2.5E+00
	Acenaphthylene	mg/kg	1	235	4.9E-01	4.9E-01	4.9E-01	
	Aldrin	mg/kg	2	34	2.9E-02	3.6E-02	4.2E-02	4.9E-02

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Chaquehui Canyon (Cont.)	Amino-2,6-dinitrotoluene[4-]	mg/kg	3	92	3.6E-01	2.1E+00	5.4E+00	5.4E+00
	Amino-4,6-dinitrotoluene[2-]	mg/kg	3	98	3.6E-01	2.1E+00	5.4E+00	5.4E+00
	Aniline	mg/kg	1	193	4.1E-01	4.1E-01	4.1E-01	
	Anthracene	mg/kg	24	235	1.8E-01	1.7E+00	1.9E+01	3.2E+00
	Aroclor-1016	mg/kg	4	41	3.4E-02	1.5E+00	3.6E+00	3.1E+00
	Aroclor-1221	mg/kg	4	41	6.7E-02	3.1E+00	7.2E+00	6.2E+00
	Aroclor-1232	mg/kg	4	41	3.4E-02	1.5E+00	3.6E+00	3.1E+00
	Aroclor-1242	mg/kg	4	45	3.4E-02	1.5E+00	3.6E+00	3.1E+00
	Aroclor-1248	mg/kg	4	41	3.4E-02	1.5E+00	3.6E+00	3.1E+00
	Aroclor-1254	mg/kg	21	48	3.4E-02	9.1E-01	3.6E+00	1.3E+00
	Aroclor-1260	mg/kg	12	48	7.0E-02	2.7E+00	1.1E+01	4.7E+00
	Aroclors (Mixed)	mg/kg	8	19	1.0E-01	8.2E-01	2.3E+00	1.4E+00
	Azobenzene	mg/kg	1	193	4.3E-01	4.3E-01	4.3E-01	
	BHC[alpha-]	mg/kg	2	34	2.7E-02	3.4E-02	4.1E-02	4.8E-02
	BHC[beta-]	mg/kg	2	34	2.3E-03	2.4E-03	2.4E-03	2.5E-03
	BHC[delta-]	mg/kg	2	34	2.6E-02	3.2E-02	3.7E-02	4.3E-02
	Benzo(a)anthracene	mg/kg	42	235	5.2E-02	2.0E+00	2.7E+01	3.3E+00
	Benzo(a)pyrene	mg/kg	37	235	7.4E-02	2.2E+00	2.9E+01	3.8E+00
	Benzo(b)fluoranthene	mg/kg	43	235	6.4E-02	2.4E+00	2.8E+01	3.8E+00
	Benzo(g,h,i)perylene	mg/kg	27	235	5.5E-02	1.3E+00	1.3E+01	2.3E+00
	Benzo(k)fluoranthene	mg/kg	30	230	6.3E-02	2.5E+00	2.1E+01	4.0E+00
	Benzoic Acid	mg/kg	2	235	2.0E-01	2.1E-01	2.2E-01	2.3E-01
	Bis(2-ethylhexyl)phthalate	mg/kg	15	235	4.5E-02	9.9E-01	3.2E+00	1.4E+00
	Butylbenzylphthalate	mg/kg	4	235	4.4E-01	6.9E-01	9.8E-01	9.3E-01
	Carbazole	mg/kg	5	16	1.9E-01	1.0E+00	3.0E+00	2.0E+00

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Chaquehui Canyon (Cont.)	Chrysene	mg/kg	46	235	6.4E-02	2.0E+00	2.9E+01	3.4E+00
	DDD[4,4'-]	mg/kg	2	34	7.5E-03	9.8E-03	1.2E-02	1.4E-02
	DDE[4,4'-]	mg/kg	6	34	1.4E-03	1.9E-03	2.4E-03	2.2E-03
	DDT[4,4'-]	mg/kg	6	34	4.4E-03	1.0E-02	2.3E-02	1.6E-02
	D[2,4-]	mg/kg	2	51	1.9E+00	2.1E+00	2.3E+00	2.5E+00
	Di-n-butylphthalate	mg/kg	21	235	3.4E-02	1.2E+00	4.8E+00	1.9E+00
	Dibenz(a,h)anthracene	mg/kg	8	235	8.3E-02	9.3E-01	4.7E+00	2.0E+00
	Dibenzofuran	mg/kg	9	235	4.6E-02	9.7E-01	5.6E+00	2.1E+00
	Dichlorobenzene[1,4-]	mg/kg	1	238	1.8E-01	1.8E-01	1.8E-01	
	Dieldrin	mg/kg	2	34	7.0E-04	7.7E-04	8.3E-04	9.0E-04
	Diethylphthalate	mg/kg	1	235	3.0E+01	3.0E+01	3.0E+01	
	Dimethylphenol[2,4-]	mg/kg	1	235	7.0E-01	7.0E-01	7.0E-01	
	Dinitrotoluene[2,4-]	mg/kg	1	364	2.0E+00	2.0E+00	2.0E+00	
	Dinoseb	mg/kg	1	51	6.9E-01	6.9E-01	6.9E-01	
	Endosulfan I	mg/kg	1	34	6.1E-03	6.1E-03	6.1E-03	
	Endosulfan II	mg/kg	6	34	2.0E-03	4.4E-03	1.1E-02	7.2E-03
	Endosulfan Sulfate	mg/kg	1	34	1.8E-02	1.8E-02	1.8E-02	
	Endrin	mg/kg	2	34	2.3E-03	2.5E-03	2.7E-03	2.9E-03
	Endrin Aldehyde	mg/kg	1	26	8.7E-03	8.7E-03	8.7E-03	
	Fluoranthene	mg/kg	63	235	4.2E-02	2.7E+00	5.4E+01	4.5E+00
	Fluorene	mg/kg	14	235	8.8E-02	1.6E+00	1.5E+01	3.7E+00
	Indeno(1,2,3-cd)pyrene	mg/kg	30	235	5.0E-02	1.4E+00	1.4E+01	2.4E+00
	Methylene Chloride	mg/kg	2	3	4.2E-03	4.6E-03	5.0E-03	5.4E-03
	Methylnaphthalene[2-]	mg/kg	4	235	4.9E-02	2.6E+00	9.3E+00	7.1E+00
	Methylphenol[2-]	mg/kg	1	235	3.7E-01	3.7E-01	3.7E-01	
	Methylphenol[4-]	mg/kg	1	235	9.8E-01	9.8E-01	9.8E-01	
	Naphthalene	mg/kg	14	237	6.0E-02	2.6E+00	2.7E+01	6.3E+00

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Chaquehui Canyon (Cont.)	Nitrobenzene	mg/kg	2	364	2.5E-01	3.8E-01	5.1E-01	6.4E-01
	Nitrotoluene[2-]	mg/kg	1	123	1.6E-01	1.6E-01	1.6E-01	
	Nitrotoluene[3-]	mg/kg	1	123	5.1E-01	5.1E-01	5.1E-01	
	Nitrotoluene[4-]	mg/kg	1	123	5.1E-01	5.1E-01	5.1E-01	
	Phenanthrene	mg/kg	49	235	6.4E-02	3.5E+00	6.7E+01	6.3E+00
	Pyrene	mg/kg	68	235	1.1E-01	3.3E+00	5.1E+01	5.3E+00
	Pyridine	mg/kg	1	16	1.6E+00	1.6E+00	1.6E+00	
	RDX	mg/kg	2	129	5.0E-01	5.2E-01	5.4E-01	5.6E-01
	Tetryl	mg/kg	1	129	6.9E-01	6.9E-01	6.9E-01	
	Trinitrobenzene[1,3,5-]	mg/kg	1	129	1.7E-01	1.7E-01	1.7E-01	
DP Canyon (Part of Los Alamos Canyon)	Trinitrotoluene[2,4,6-]	mg/kg	1	129	2.7E-01	2.7E-01	2.7E-01	
	Acenaphthene	mg/kg	6	665	3.5E-01	2.5E+00	1.1E+01	5.9E+00
	Acenaphthylene	mg/kg	1	665	3.5E-01	3.5E-01	3.5E-01	
	Acetone	mg/kg	46	223	6.3E-03	3.2E-02	2.1E-01	4.1E-02
	Anthracene	mg/kg	7	665	3.4E-01	3.6E+00	2.1E+01	9.4E+00
	Aroclor-1254	mg/kg	1	36	1.1E+00	1.1E+00	1.1E+00	
	Aroclor-1260	mg/kg	19	36	7.0E-02	1.7E+00	1.7E+01	3.4E+00
	Aroclors (Mixed)	mg/kg	18	26	7.0E-02	1.8E+00	1.7E+01	3.6E+00
	Benzene	mg/kg	1	223	3.0E+00	3.0E+00	3.0E+00	
	Benzo(a)anthracene	mg/kg	21	665	4.4E-02	5.5E+00	9.8E+01	1.5E+01
	Benzo(a)pyrene	mg/kg	16	665	2.2E-01	5.6E+00	7.4E+01	1.5E+01
	Benzo(b)fluoranthene	mg/kg	35	665	9.2E-02	3.0E+00	7.6E+01	7.3E+00
	Benzo(g,h,i)perylene	mg/kg	9	664	1.4E-01	4.7E+00	3.7E+01	1.3E+01
	Benzo(k)fluoranthene	mg/kg	12	664	5.3E-02	6.3E+00	6.6E+01	1.7E+01
	Benzoic Acid	mg/kg	5	665	3.6E-01	2.1E+00	3.7E+00	3.2E+00
	Benzyl Alcohol	mg/kg	1	665	7.0E-01	7.0E-01	7.0E-01	
	Bis(2-chloroethoxy) methane	mg/kg	1	664	3.5E-01	3.5E-01	3.5E-01	

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
DP Canyon (Part of Los Alamos Canyon) (Cont.)	Bis(2-chloroethyl)ether	mg/kg	1	665	3.5E-01	3.5E-01	3.5E-01	
	Bis(2-ethylhexyl) phthalate	mg/kg	29	665	6.4E-02	4.2E+00	6.2E+01	8.5E+00
	Bromophenyl- phenylether[4-]	mg/kg	1	665	3.5E-01	3.5E-01	3.5E-01	
	Butanone[2-]	mg/kg	1	223	6.3E-02	6.3E-02	6.3E-02	
	Butylbenzylphthalate	mg/kg	2	665	3.5E-01	4.3E-01	5.0E-01	5.8E-01
	Carbazole	mg/kg	1	6	3.5E-01	3.5E-01	3.5E-01	
	Carbon Disulfide	mg/kg	2	223	9.2E-03	1.1E-02	1.2E-02	1.3E-02
	Chloro-3-methylphenol [4-]	mg/kg	2	664	7.0E-01	1.8E+00	2.9E+00	4.0E+00
	Chloroaniline[4-]	mg/kg	1	665	7.0E-01	7.0E-01	7.0E-01	
	Chlorobenzene	mg/kg	1	223	2.5E+00	2.5E+00	2.5E+00	
	Chloronaphthalene[1-]	mg/kg	1	6	7.0E-01	7.0E-01	7.0E-01	
	Chloronaphthalene[2-]	mg/kg	1	665	3.5E-01	3.5E-01	3.5E-01	
	Chlorophenol[2-]	mg/kg	2	665	3.5E-01	1.4E+00	2.5E+00	3.6E+00
	Chlorophenyl-phenyl [4-] Ether	mg/kg	1	665	3.5E-01	3.5E-01	3.5E-01	
	Chrysene	mg/kg	24	664	9.3E-02	5.5E+00	1.1E+02	1.5E+01
	DDT[4,4'-]	mg/kg	1	2	2.0E-02	2.0E-02	2.0E-02	
	Di-n-butylphthalate	mg/kg	12	665	5.8E-02	1.0E+00	5.2E+00	1.9E+00
	Di-n-octylphthalate	mg/kg	2	665	3.5E-01	4.6E-01	5.6E-01	6.7E-01
	Dibenz(a,h)anthracene	mg/kg	3	665	3.5E-01	5.7E+00	1.6E+01	1.6E+01
	Dibenzofuran	mg/kg	2	665	3.5E-01	3.1E+00	5.8E+00	8.5E+00
	Dichlorobenzene[1,2-]	mg/kg	1	882	3.5E-01	3.5E-01	3.5E-01	
	Dichlorobenzene[1,3-]	mg/kg	1	881	3.5E-01	3.5E-01	3.5E-01	
	Dichlorobenzene[1,4-]	mg/kg	2	881	3.5E-01	8.8E-01	1.4E+00	1.9E+00
	Dichlorobenzidine [3,3'-]	mg/kg	1	665	7.0E-01	7.0E-01	7.0E-01	

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
DP Canyon (Part of Los Alamos Canyon) (Cont.)	Dichlorodifluoro methane	mg/kg	2	216	3.4E-02	3.6E-02	3.8E-02	4.0E-02
	Dichloroethene[1,1-]	mg/kg	1	222	2.9E+00	2.9E+00	2.9E+00	
	Dichlorophenol[2,4-]	mg/kg	1	665	3.5E-01	3.5E-01	3.5E-01	
	Diethylphthalate	mg/kg	4	665	3.5E-01	2.5E+01	9.0E+01	6.8E+01
	Dimethyl Phthalate	mg/kg	1	665	3.5E-01	3.5E-01	3.5E-01	
	Dimethylphenol[2,4-]	mg/kg	1	664	3.5E-01	3.5E-01	3.5E-01	
	Dinitro-2-methylphenol [4,6-]	mg/kg	1	665	1.7E+00	1.7E+00	1.7E+00	
	Dinitrophenol[2,4-]	mg/kg	1	665	1.7E+00	1.7E+00	1.7E+00	
	Dinitrotoluene[2,4-]	mg/kg	2	664	3.5E-01	1.0E+00	1.7E+00	2.4E+00
	Dinitrotoluene[2,6-]	mg/kg	1	658	3.5E-01	3.5E-01	3.5E-01	
	Diphenylamine	mg/kg	1	6	1.1E+00	1.1E+00	1.1E+00	
	Diphenylhydrazine [1,2-]	mg/kg	1	6	1.7E+00	1.7E+00	1.7E+00	
	Fluoranthene	mg/kg	41	664	3.4E-01	9.1E+00	3.2E+02	2.5E+01
	Fluorene	mg/kg	4	665	3.5E-01	3.1E+00	1.1E+01	8.4E+00
	Hexachlorobenzene	mg/kg	1	665	3.5E-01	3.5E-01	3.5E-01	
	Hexachlorobutadiene	mg/kg	1	730	3.5E-01	3.5E-01	3.5E-01	
	Hexachlorocyclopenta diene	mg/kg	1	664	3.5E-01	3.5E-01	3.5E-01	
	Hexachloroethane	mg/kg	1	664	3.5E-01	3.5E-01	3.5E-01	
	Indeno(1,2,3-cd) pyrene”	mg/kg	11	665	1.1E-01	4.0E+00	3.8E+01	1.1E+01
	Isophorone	mg/kg	1	664	3.5E-01	3.5E-01	3.5E-01	
	Isopropyltoluene[4-]	mg/kg	4	217	9.0E-03	1.4E-02	2.5E-02	2.1E-02
	Methylene Chloride	mg/kg	8	223	4.7E-03	1.6E-02	5.9E-02	2.8E-02
	Methylnaphthalene[2-]	mg/kg	1	665	3.5E-01	3.5E-01	3.5E-01	3.5E-01
	Methylphenol[2-]	mg/kg	1	665	3.5E-01	3.5E-01	3.5E-01	

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
DP Canyon (Part of Los Alamos Canyon) (Cont.)	Methylphenol[3-]	mg/kg	1	6	3.5E-01	3.5E-01	3.5E-01	
	Methylphenol[4-]	mg/kg	1	665	3.5E-01	3.5E-01	3.5E-01	
	Naphthalene	mg/kg	2	730	3.5E-01	4.0E-01	4.4E-01	4.9E-01
	Nitroaniline[2-]	mg/kg	1	665	1.7E+00	1.7E+00	1.7E+00	
	Nitroaniline[3-]	mg/kg	1	665	1.7E+00	1.7E+00	1.7E+00	
	Nitroaniline[4-]	mg/kg	1	665	1.7E+00	1.7E+00	1.7E+00	
	Nitrobenzene	mg/kg	1	664	3.5E-01	3.5E-01	3.5E-01	
	Nitrophenol[2-]	mg/kg	1	664	3.5E-01	3.5E-01	3.5E-01	
	Nitrophenol[4-]	mg/kg	2	664	1.7E+00	2.4E+00	3.1E+00	3.8E+00
	Nitroso-di-n-propylamine[N-]	mg/kg	2	665	3.5E-01	9.3E-01	1.5E+00	2.1E+00
	Nitrosodimethylamine[N-]	mg/kg	1	567	3.5E-01	3.5E-01	3.5E-01	
	Nitrosodiphenylamine[N-]	mg/kg	1	665	3.5E-01	3.5E-01	3.5E-01	
	Oxybis(1-chloro propane)[2,2'-]	mg/kg	1	655	3.5E-01	3.5E-01	3.5E-01	
	Pentachlorophenol	mg/kg	2	664	1.7E+00	2.8E+00	3.9E+00	5.0E+00
	Phenanthrene	mg/kg	29	664	5.0E-02	6.7E+00	1.6E+02	1.8E+01
	Phenol	mg/kg	5	665	3.5E-01	1.2E+00	2.6E+00	1.9E+00
	Pyrene	mg/kg	45	665	7.4E-02	6.3E+00	2.3E+02	1.6E+01
	Tetrachloroethene	mg/kg	1	222	6.1E-02	6.1E-02	6.1E-02	
	Toluene	mg/kg	39	223	5.0E-03	8.9E-02	2.6E+00	2.2E-01
	Trichlorobenzene[1,2,4-]	mg/kg	2	730	3.5E-01	9.3E-01	1.5E+00	2.1E+00
	Trichloroethene	mg/kg	1	223	2.4E+00	2.4E+00	2.4E+00	
	Trichlorofluoromethane	mg/kg	4	216	1.1E-02	1.7E-02	2.6E-02	2.4E-02

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
DP Canyon (Part of Los Alamos Canyon) (Cont.)	Trichlorophenol[2,4,5-]	mg/kg	1	665	3.5E-01	3.5E-01	3.5E-01	
	Trichlorophenol[2,4,6-]	mg/kg	1	665	3.5E-01	3.5E-01	3.5E-01	
	Xylene (Total)	mg/kg	5	222	6.0E-03	1.5E-02	2.1E-02	2.1E-02
Los Alamos Canyon	Acenaphthene	mg/kg	6	259	6.1E-01	1.9E+00	4.6E+00	3.4E+00
	Acetone	mg/kg	1	7	2.5E-02	2.5E-02	2.5E-02	
	Aniline	mg/kg	2	257	4.0E-01	6.6E-01	9.1E-01	1.2E+00
	Anthracene	mg/kg	8	259	6.1E-01	3.5E+00	1.2E+01	6.5E+00
	Aroclor-1254	mg/kg	5	37	1.6E-01	5.8E-01	1.3E+00	9.7E-01
	Aroclor-1260	mg/kg	10	37	7.6E-02	2.4E+00	1.7E+01	5.7E+00
	Aroclors (Mixed)	mg/kg	3	14	1.5E+00	7.5E+00	1.7E+01	1.7E+01
	Benzene	mg/kg	1	7	1.0E-02	1.0E-02	1.0E-02	
	Benzo(a)anthracene	mg/kg	15	259	7.7E-02	3.9E+00	2.3E+01	7.3E+00
	Benzo(a)pyrene	mg/kg	11	259	8.3E-02	3.5E+00	1.6E+01	6.7E+00
	Benzo(b)fluoranthene	mg/kg	27	259	9.6E-02	2.4E+00	1.7E+01	3.9E+00
	Benzo(g,h,i)perylene	mg/kg	7	259	4.4E-01	2.1E+00	6.0E+00	4.0E+00
	Benzo(k)fluoranthene	mg/kg	10	259	8.1E-02	2.7E+00	9.7E+00	4.6E+00
	Benzoic Acid	mg/kg	4	259	8.1E-01	1.7E+00	3.5E+00	3.0E+00
	Bis(2-ethylhexyl) phthalate	mg/kg	7	259	5.5E-02	1.2E+00	5.5E+00	2.7E+00
	Butylbenzylphthalate	mg/kg	3	259	8.2E-02	8.9E-01	1.5E+00	1.7E+00
	Chlordane[alpha-]	mg/kg	1	21	7.2E-03	7.2E-03	7.2E-03	
	Chlordane[gamma-]	mg/kg	1	21	6.8E-03	6.8E-03	6.8E-03	
	Chlorophenol[2-]	mg/kg	1	259	3.7E-01	3.7E-01	3.7E-01	
	Chrysene	mg/kg	19	259	9.6E-02	3.3E+00	1.8E+01	5.5E+00
	DDE[4,4'-]	mg/kg	3	21	8.5E-03	8.9E-03	9.7E-03	9.7E-03
	DDT[4,4'-]	mg/kg	7	21	5.9E-03	2.0E-02	4.8E-02	3.1E-02

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Los Alamos Canyon (Cont.)	Di-n-butylphthalate	mg/kg	17	259	4.2E-01	1.4E+00	3.5E+00	1.8E+00
	Dibenz(a,h)anthracene	mg/kg	2	259	1.6E+00	3.0E+00	4.3E+00	5.7E+00
	Dibenzofuran	mg/kg	3	259	5.2E-01	1.7E+00	2.5E+00	2.9E+00
	Dichlorobenzene[1,3-]	mg/kg	1	264	3.7E-01	3.7E-01	3.7E-01	
	Diethylphthalate	mg/kg	1	259	6.1E-01	6.1E-01	6.1E-01	
	Endosulfan II	mg/kg	1	21	4.2E-03	4.2E-03	4.2E-03	
	Fluoranthene	mg/kg	29	259	1.8E-01	4.3E+00	4.1E+01	7.7E+00
	Fluorene	mg/kg	5	259	6.1E-01	2.2E+00	4.7E+00	3.9E+00
	Indeno(1,2,3-cd)pyrene	mg/kg	7	259	4.2E-01	2.1E+00	5.7E+00	3.9E+00
	Methylnaphthalene[2-]	mg/kg	2	259	1.0E+00	1.1E+00	1.2E+00	1.3E+00
	Methylphenol[4-]	mg/kg	1	259	3.7E-01	3.7E-01	3.7E-01	
	Naphthalene	mg/kg	3	259	5.7E-01	1.9E+00	2.7E+00	3.2E+00
	Phenanthrene	mg/kg	19	259	8.5E-02	5.7E+00	3.9E+01	1.0E+01
	Pyrene	mg/kg	30	259	2.1E-01	4.6E+00	3.9E+01	7.8E+00
	Toluene	mg/kg	4	7	1.0E-02	1.6E-02	2.9E-02	2.5E-02
	Xylene (Total)	mg/kg	2	7	9.5E-03	1.1E-02	1.2E-02	1.3E-02
Mortandad Canyon	Acenaphthene	mg/kg	3	88	4.1E-01	1.4E+00	2.6E+00	2.7E+00
	Acetone	mg/kg	1	51	1.6E-02	1.6E-02	1.6E-02	
	Aniline	mg/kg	1	88	3.1E-01	3.1E-01	3.1E-01	
	Anthracene	mg/kg	3	88	8.4E-01	2.7E+00	5.1E+00	5.2E+00
	Aroclor-1254	mg/kg	1	30	1.5E-01	1.5E-01	1.5E-01	
	Aroclor-1260	mg/kg	4	30	2.0E-02	3.6E-02	5.3E-02	5.4E-02
	Aroclors (Mixed)	mg/kg	5	30	2.0E-02	5.9E-02	1.5E-01	1.1E-01
	Benzene	mg/kg	1	51	1.0E-03	1.0E-03	1.0E-03	
	Benzo(a)anthracene	mg/kg	10	88	1.7E-01	5.7E+00	2.3E+01	1.1E+01
	Benzo(a)pyrene	mg/kg	12	88	1.5E-01	4.8E+00	2.3E+01	9.1E+00

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Mortandad Canyon	Benzo(b)fluoranthene	mg/kg	13	88	2.8E-01	5.2E+00	2.6E+01	1.0E+01
	Benzo(g,h,i)perylene	mg/kg	4	88	2.1E+00	6.2E+00	1.3E+01	1.1E+01
	Benzo(k)fluoranthene	mg/kg	4	84	2.0E+00	5.2E+00	1.1E+01	9.1E+00
	Benzoic Acid	mg/kg	3	88	1.1E-01	1.4E-01	1.8E-01	1.8E-01
	Bis(2-ethylhexyl) phthalate	mg/kg	5	88	7.3E-02	1.1E+00	3.8E+00	2.4E+00
	Bromodichloromethane	mg/kg	1	51	4.0E-03	4.0E-03	4.0E-03	
	Butanone[2-]	mg/kg	1	51	8.0E-03	8.0E-03	8.0E-03	
	Carbon Disulfide	mg/kg	1	51	5.8E-03	5.8E-03	5.8E-03	
	Chrysene	mg/kg	12	88	1.8E-01	5.4E+00	2.6E+01	1.0E+01
	Dibenz(a,h)anthracene	mg/kg	3	88	6.3E-01	1.6E+00	2.7E+00	2.8E+00
	Dibenzofuran	mg/kg	1	88	9.4E-01	9.4E-01	9.4E-01	
	Dichlorobenzidine [3,3'-]	mg/kg	1	88	7.0E-01	7.0E-01	7.0E-01	
	Fluoranthene	mg/kg	13	88	1.1E-01	4.8E+00	2.7E+01	9.6E+00
	Fluorene	mg/kg	2	88	7.2E-01	1.4E+00	2.1E+00	2.8E+00
	Indeno(1,2,3-cd)pyrene	mg/kg	6	88	3.9E-01	4.7E+00	1.4E+01	8.8E+00
	Isopropyltoluene[4-]	mg/kg	1	51	4.4E-02	4.4E-02	4.4E-02	
	Methyl-2-pentanone [4-]	mg/kg	1	51	3.0E-03	3.0E-03	3.0E-03	
	Naphthalene	mg/kg	2	105	2.0E-03	3.1E-01	6.1E-01	9.1E-01
	Phenanthrene	mg/kg	10	88	8.7E-02	6.5E+00	2.6E+01	1.2E+01
	Pyrene	mg/kg	14	88	1.0E-01	8.0E+00	4.4E+01	1.5E+01
	Tetrachloroethene	mg/kg	9	51	1.0E-03	2.8E-03	5.0E-03	3.8E-03
	Toluene	mg/kg	10	51	2.0E-03	8.9E-03	1.6E-02	1.2E-02
	Trichlorobenzene [1,2,3-]	mg/kg	1	17	2.0E-03	2.0E-03	2.0E-03	
	Trichlorofluoromethane	mg/kg	1	51	1.9E-02	1.9E-02	1.9E-02	

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Mortandad Canyon (Cont.)	Trimethylbenzene [1,24-]	mg/kg	4	51	3.0E-03	9.3E-03	2.6E-02	2.0E-02
	Trimethylbenzene [1,3,5-]	mg/kg	1	51	8.2E-03	8.2E-03	8.2E-03	
	Xylene[1,2-]	mg/kg	1	10	1.0E-03	1.0E-03	1.0E-03	
	Xylene[1,3-]	mg/kg	6	10	1.0E-03	2.2E-03	5.0E-03	3.7E-03
Pajarito Canyon	Acenaphthene	mg/kg	1	87	5.1E-01	5.1E-01	5.1E-01	
	Acetone	mg/kg	2	41	5.3E-02	6.5E-02	7.6E-02	8.8E-02
	Aldrin	mg/kg	1	38	2.4E-03	2.4E-03	2.4E-03	
	Amino-2,6-dinitrotoluene[4-]	mg/kg	1	88	1.0E+00	1.0E+00	1.0E+00	
	Amino-4,6-dinitrotoluene[2-]	mg/kg	2	88	4.1E-01	7.1E-01	1.0E+00	1.3E+00
	Anthracene	mg/kg	2	87	1.2E+00	1.7E+01	3.2E+01	4.7E+01
	Aroclor-1254	mg/kg	2	38	1.6E+00	2.1E+00	2.6E+00	3.1E+00
	BHC[gamma-]	mg/kg	1	38	4.1E-03	4.1E-03	4.1E-03	
	Benzo(a)anthracene	mg/kg	7	87	3.7E-01	2.4E+01	1.6E+02	6.9E+01
	Benzo(a)pyrene	mg/kg	8	87	4.4E-01	1.7E+01	1.3E+02	4.9E+01
	Benzo(b)fluoranthene	mg/kg	13	87	3.9E-01	1.6E+01	2.0E+02	4.7E+01
	Benzo(g,h,i)perylene	mg/kg	4	87	4.1E-01	1.6E+01	6.4E+01	4.8E+01
	Benzo(k)fluoranthene	mg/kg	2	87	1.5E+00	3.9E+01	7.7E+01	1.1E+02
	Benzoic Acid	mg/kg	2	85	1.4E-01	1.8E-01	2.1E-01	2.5E-01
	Bis(2-ethylhexyl) phthalate	mg/kg	6	87	3.8E-01	1.2E+00	2.9E+00	1.9E+00
	Butylbenzylphthalate	mg/kg	2	87	4.6E-02	5.6E-02	6.6E-02	7.6E-02
	Carbon Disulfide	mg/kg	3	41	7.0E-03	9.6E-03	1.2E-02	1.2E-02
	Chlordane[alpha-]	mg/kg	1	38	1.6E-02	1.6E-02	1.6E-02	
	Chrysene	mg/kg	10	85	4.5E-01	2.0E+01	1.9E+02	5.8E+01

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Pajarito Canyon (Cont.)	DDE[4,4'-]	mg/kg	4	38	4.5E-03	1.5E-02	3.9E-02	3.1E-02
	DDT[4,4'-]	mg/kg	11	38	3.8E-03	1.4E-02	5.1E-02	2.3E-02
	Di-n-butylphthalate	mg/kg	2	87	8.5E-01	4.6E+01	9.2E+01	1.4E+02
	Di-n-octylphthalate	mg/kg	1	87	4.0E-01	4.0E-01	4.0E-01	
	Dibenz(a,h)anthracene	mg/kg	3	87	5.8E-01	8.1E+00	2.3E+01	2.3E+01
	Dieldrin	mg/kg	1	38	4.8E-02	4.8E-02	4.8E-02	
	Diethylphthalate	mg/kg	1	87	4.6E-01	4.6E-01	4.6E-01	
	Dinitrotoluene[2,4-]	mg/kg	1	175	6.0E-01	6.0E-01	6.0E-01	
	Dinitrotoluene[2,6-]	mg/kg	1	176	6.0E-01	6.0E-01	6.0E-01	
	Endosulfan I	mg/kg	2	38	6.4E-03	1.2E-02	1.7E-02	2.2E-02
	Endosulfan II	mg/kg	1	38	2.4E-02	2.4E-02	2.4E-02	
	Endrin	mg/kg	2	38	8.2E-02	1.1E-01	1.3E-01	1.5E-01
	Fluoranthene	mg/kg	15	87	5.2E-02	2.5E+01	3.1E+02	6.6E+01
	Heptachlor	mg/kg	1	38	6.1E-03	6.1E-03	6.1E-03	
	Indeno(1,2,3-cd)pyrene	mg/kg	5	87	3.6E-01	1.7E+01	8.0E+01	4.8E+01
	Isopropylbenzene	mg/kg	1	17	5.7E-02	5.7E-02	5.7E-02	
	Isopropyltoluene[4-]	mg/kg	1	17	1.1E+00	1.1E+00	1.1E+00	
	Methoxychlor[4,4'-]	mg/kg	2	38	2.7E-02	4.0E-02	5.2E-02	6.5E-02
	Methylene Chloride	mg/kg	16	41	1.1E-02	2.2E-02	6.4E-02	2.9E-02
	Nitrobenzene	mg/kg	2	175	2.0E+00	4.5E+00	7.1E+00	9.6E+00
	Phenanthrene	mg/kg	10	87	4.9E-01	1.6E+01	1.5E+02	4.6E+01
	Pyrene	mg/kg	12	87	5.1E-01	2.4E+01	2.8E+02	7.1E+01
	Toluene	mg/kg	3	41	5.0E-03	7.0E-03	8.0E-03	9.0E-03
	Trichloro-1,2,2-trifluoroethane[1,1,2-]	mg/kg	1	17	1.7E-02	1.7E-02	1.7E-02	
	Trinitrobenzene[1,3,5-]	mg/kg	1	88	1.7E-01	1.7E-01	1.7E-01	

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Pueblo Canyon (Part of Pueblo/ Acid Canyon)	Aroclor-1260	mg/kg	1	4	4.6E-02	4.6E-02	4.6E-02	
Rio Grande	Acetone	mg/kg	2	5	7.0E-02	7.0E-02	7.0E-02	7.0E-02
Sandia Canyon	Acenaphthene	mg/kg	1	74	5.7E-01	5.7E-01	5.7E-01	
	Acetone	mg/kg	23	64	4.2E-03	5.4E-01	1.9E+00	7.9E-01
	Anthracene	mg/kg	2	92	4.7E-01	6.3E-01	7.8E-01	9.4E-01
	Aroclor-1248	mg/kg	6	110	4.7E-02	7.9E-01	2.1E+00	1.5E+00
	Aroclor-1254	mg/kg	26	113	2.1E-02	1.2E+00	3.8E+00	1.6E+00
	Aroclor-1260	mg/kg	46	113	2.2E-02	6.6E-01	3.7E+00	9.1E-01
	Aroclors (Mixed)	mg/kg	7	28	2.1E-02	6.0E-01	1.7E+00	1.1E+00
	BHC[alpha-]	mg/kg	2	82	5.1E-02	8.4E-02	1.2E-01	1.5E-01
	Benzo(a)anthracene	mg/kg	4	92	5.3E-01	2.5E+00	4.6E+00	4.2E+00
	Benzo(a)pyrene	mg/kg	7	92	5.0E-01	6.2E+00	2.2E+01	1.2E+01
	Benzo(b)fluoranthene	mg/kg	8	92	1.0E-01	6.8E+00	3.1E+01	1.4E+01
	Benzo(g,h,i)perylene	mg/kg	3	92	4.3E-01	1.1E+00	1.8E+00	1.9E+00
	Benzo(k)fluoranthene	mg/kg	5	92	1.3E-01	1.9E+00	3.6E+00	3.1E+00
	Bis(2-ethylhexyl) phthalate	mg/kg	18	92	3.6E-01	2.9E+01	9.5E+01	4.0E+01
	Butanone[2-]	mg/kg	8	63	3.0E-02	1.0E-01	3.1E-01	1.8E-01
	Butylbenzylphthalate	mg/kg	1	92	9.2E-01	9.2E-01	9.2E-01	
	Chlordane[alpha-]	mg/kg	7	36	4.7E-03	3.0E-02	1.3E-01	6.4E-02
	Chlordane[gamma-]	mg/kg	7	36	3.8E-03	3.4E-02	1.5E-01	7.3E-02
	Chrysene	mg/kg	7	92	1.6E-01	3.4E+00	9.6E+00	5.9E+00
	DDE[4,4'-]	mg/kg	7	82	8.4E-02	2.9E-01	6.1E-01	4.7E-01
	DDT[4,4'-]	mg/kg	5	82	5.9E-03	1.6E-01	2.5E-01	2.6E-01
	Di-n-butylphthalate	mg/kg	1	92	4.6E+01	4.6E+01	4.6E+01	

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Sandia Canyon (Cont.)	Dibenz(a,h)anthracene	mg/kg	1	92	4.5E-01	4.5E-01	4.5E-01	
	Dieldrin	mg/kg	1	82	1.6E-02	1.6E-02	1.6E-02	
	Diethylphthalate	mg/kg	1	92	6.9E-01	6.9E-01	6.9E-01	
	Endosulfan I	mg/kg	4	82	8.3E-02	1.5E-01	2.3E-01	2.1E-01
	Endosulfan II	mg/kg	3	82	5.0E-03	8.2E-03	9.9E-03	1.1E-02
	Endrin	mg/kg	3	82	6.0E-01	6.0E-01	6.1E-01	6.1E-01
	Endrin Aldehyde	mg/kg	2	82	5.8E-03	5.9E-03	6.0E-03	6.1E-03
	Fluoranthene	mg/kg	9	92	3.2E-01	1.3E+01	6.0E+01	2.6E+01
	Fluorene	mg/kg	1	92	3.8E-01	3.8E-01	3.8E-01	
	Hexanone[2-]	mg/kg	2	64	2.0E-01	3.6E-01	5.1E-01	6.7E-01
	Indeno(1,2,3-cd)pyrene	mg/kg	4	92	6.6E-01	3.9E+00	1.2E+01	9.1E+00
	Isopropyltoluene[4-]	mg/kg	1	29	2.8E-01	2.8E-01	2.8E-01	
	Methyl-2-pentanone[4-]	mg/kg	3	63	6.7E-03	4.2E-02	7.9E-02	8.4E-02
	Methylene Chloride	mg/kg	6	63	2.7E-03	8.7E-03	2.5E-02	1.6E-02
	Phenanthrene	mg/kg	7	92	5.9E-01	1.3E+01	5.0E+01	2.7E+01
	Phenol	mg/kg	1	92	1.9E+00	1.9E+00	1.9E+00	
	Pyrene	mg/kg	9	92	2.2E-01	9.8E+00	4.3E+01	1.9E+01
	Tetrachloroethene	mg/kg	1	63	2.6E-03	2.6E-03	2.6E-03	
	Toluene	mg/kg	3	63	8.0E-03	1.2E-02	1.5E-02	1.6E-02
	Trichloroethane[1,1,1-]	mg/kg	1	64	1.6E-01	1.6E-01	1.6E-01	
	Xylene (Total)	mg/kg	1	63	3.5E-02	3.5E-02	3.5E-02	

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Starmer's Gulch (Part of Pajarito Canyon)	Amino-2,6-dinitrotoluene[4-]	mg/kg	1	33	4.0E-01	4.0E-01	4.0E-01	
	Amino-4,6-dinitrotoluene[2-]	mg/kg	1	33	4.0E-01	4.0E-01	4.0E-01	
	Bis(2-ethylhexyl) phthalate	mg/kg	2	32	1.1E+00	1.9E+00	2.7E+00	3.5E+00
	HMX	mg/kg	1	53	1.7E+00	1.7E+00	1.7E+00	
	Trinitrotoluene[2,4,6-]	mg/kg	1	53	1.7E-01	1.7E-01	1.7E-01	
Ten-Site Canyon (Part of Mortandad Canyon)	Acenaphthene	mg/kg	26	315	3.5E-02	1.8E+00	9.2E+00	2.8E+00
	Acenaphthylene	mg/kg	1	315	4.1E-02	4.1E-02	4.1E-02	
	Acetone	mg/kg	23	92	7.0E-03	3.1E-02	1.2E-01	4.1E-02
	Aldrin	mg/kg	1	19	2.6E-03	2.6E-03	2.6E-03	
	Aniline	mg/kg	1	250	2.1E-01	2.1E-01	2.1E-01	
	Anthracene	mg/kg	27	315	6.9E-02	2.4E+00	1.3E+01	3.6E+00
	Aroclor-1254	mg/kg	21	337	5.0E-02	7.3E-01	6.0E+00	1.3E+00
	Aroclor-1260	mg/kg	58	341	3.0E-02	2.0E+01	3.4E+02	3.7E+01
	Aroclors (Mixed)	mg/kg	48	281	0.0E+00	4.2E-01	6.0E+00	6.9E-01
	Azobenzene	mg/kg	1	249	1.1E+01	1.1E+01	1.1E+01	
	Benzo(a)anthracene	mg/kg	43	315	2.6E-02	4.2E+00	3.7E+01	6.5E+00
	Benzo(a)pyrene	mg/kg	46	315	4.0E-02	5.1E+00	4.8E+01	8.1E+00
	Benzo(b)fluoranthene	mg/kg	44	315	3.6E-02	5.8E+00	5.2E+01	9.3E+00
	“Benzo(g,h,i)perylene”	mg/kg	36	315	5.7E-02	3.3E+00	3.3E+01	5.5E+00
	Benzo(k)fluoranthene	mg/kg	31	313	2.7E-02	4.3E+00	4.5E+01	7.6E+00
	Benzoic Acid	mg/kg	4	311	4.0E-02	2.0E-01	6.1E-01	4.8E-01
	Bis(2-ethylhexyl) phthalate	mg/kg	55	311	4.6E-02	1.7E+00	1.4E+01	2.4E+00
	Butanone[2-]	mg/kg	1	92	3.0E-03	3.0E-03	3.0E-03	
	Butylbenzylphthalate	mg/kg	3	311	9.1E-02	1.5E-01	2.7E-01	2.7E-01

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Ten-Site Canyon (Part of Mortandad Canyon) (Cont.)	Carbon Disulfide	mg/kg	1	92	4.0E-03	4.0E-03	4.0E-03	
	Chloroaniline[4-]	mg/kg	1	311	1.4E-01	1.4E-01	1.4E-01	
	Chrysene	mg/kg	50	315	3.8E-02	4.7E+00	4.7E+01	7.4E+00
	Di-n-butylphthalate	mg/kg	35	311	3.5E-02	9.5E-01	5.2E+00	1.3E+00
	Di-n-octylphthalate	mg/kg	2	311	3.7E-02	5.2E-01	1.0E+00	1.5E+00
	Dibenz(a,h)anthracene	mg/kg	14	315	5.5E-02	1.3E+00	8.8E+00	2.5E+00
	Dibenzofuran	mg/kg	20	311	4.7E-02	8.1E-01	3.8E+00	1.3E+00
	Dichloroethene [cis-1,2-]	mg/kg	3	79	1.0E-03	2.3E-03	3.0E-03	3.7E-03
	Dieldrin	mg/kg	1	19	5.7E-03	5.7E-03	5.7E-03	
	Dimethyl Phthalate	mg/kg	1	311	6.0E-02	6.0E-02	6.0E-02	
	Endosulfan II	mg/kg	1	19	1.6E-02	1.6E-02	1.6E-02	
	Fluoranthene	mg/kg	63	315	3.5E-02	7.6E+00	7.0E+01	1.2E+01
	Fluorene	mg/kg	20	315	1.1E-01	1.4E+00	6.4E+00	2.1E+00
	Hexachlorobenzene	mg/kg	2	311	7.1E-02	1.8E-01	2.8E-01	3.8E-01
	Hexanone[2-]	mg/kg	2	92	6.0E-03	1.0E-02	1.4E-02	1.8E-02
	Hydrocarbons, Total Petroleum	mg/kg	8	10	4.5E+01	4.7E+03	8.6E+03	7.1E+03
	Indeno(1,2,3-cd)pyrene	mg/kg	34	315	5.1E-02	3.5E+00	2.8E+01	5.6E+00
	Methylene Chloride	mg/kg	4	90	7.3E-03	2.7E-02	6.0E-02	5.1E-02
	Methylnaphthalene[2-]	mg/kg	15	311	3.5E-02	4.3E-01	1.7E+00	6.9E-01
	Methylphenol[4-]	mg/kg	1	311	3.8E-02	3.8E-02	3.8E-02	
	Naphthalene	mg/kg	21	319	0.0E+00	1.1E+00	7.0E+00	1.8E+00
	Organics, Diesel Range	mg/kg	17	40	4.9E+00	1.5E+03	2.5E+04	4.5E+03
	Pentachlorophenol	mg/kg	2	311	2.3E-01	1.1E+00	1.9E+00	2.7E+00
	Phenanthrene	mg/kg	46	315	8.0E-02	8.4E+00	5.9E+01	1.3E+01
	Phenol	mg/kg	3	311	5.8E-02	1.0E-01	1.6E-01	1.6E-01
	Pyrene	mg/kg	64	315	3.4E-02	7.9E+00	1.1E+02	1.2E+01

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Ten-Site Canyon (Part of Mortandad Canyon) (Cont.)	Tetrachloroethene	mg/kg	2	92	2.0E-03	2.0E-03	2.0E-03	2.0E-03
	Toluene	mg/kg	7	92	2.0E-03	8.1E-03	2.2E-02	1.4E-02
	Trichlorobenzene [1,2,4-]	mg/kg	1	313	1.4E-01	1.4E-01	1.4E-01	
	Trichloroethene	mg/kg	6	92	9.0E-03	1.4E-02	2.1E-02	1.8E-02
	Trichlorofluoromethane	mg/kg	3	91	3.0E-03	8.7E-03	1.7E-02	1.7E-02
	Xylene (Total)	mg/kg	1	90	3.0E-03	3.0E-03	3.0E-03	
Three-Mile Canyon (Part of Pajarito Canyon)	Acenaphthene	mg/kg	4	37	8.3E-01	1.1E+01	3.2E+01	2.5E+01
	Anthracene	mg/kg	6	37	1.1E+00	1.6E+01	6.3E+01	3.5E+01
	Benzo(a)anthracene	mg/kg	8	37	6.4E-01	4.2E+01	2.4E+02	9.9E+01
	Benzo(a)pyrene	mg/kg	8	37	7.8E-01	4.2E+01	2.5E+02	1.0E+02
	Benzo(b)fluoranthene	mg/kg	8	37	6.3E-01	4.7E+01	2.9E+02	1.2E+02
	Benzo(g,h,i)perylene	mg/kg	8	37	4.5E-01	2.2E+01	1.3E+02	5.3E+01
	Benzo(k)fluoranthene	mg/kg	8	37	8.6E-01	2.4E+01	1.1E+02	5.1E+01
	Benzoic Acid	mg/kg	5	37	1.3E-01	2.1E-01	3.5E-01	3.0E-01
	Bis(2-ethylhexyl) phthalate	mg/kg	3	37	6.3E-01	1.7E+00	3.3E+00	3.3E+00
	Butylbenzylphthalate	mg/kg	1	37	8.7E-01	8.7E-01	8.7E-01	
	Chrysene	mg/kg	8	37	8.0E-01	4.5E+01	2.6E+02	1.1E+02
	Di-n-butylphthalate	mg/kg	4	37	1.5E+00	8.1E+00	2.6E+01	2.0E+01
	Dibenz(a,h)anthracene	mg/kg	4	37	1.4E+00	4.2E+00	9.3E+00	7.9E+00
	Dibenzofuran	mg/kg	2	37	6.3E-01	1.5E+00	2.3E+00	3.1E+00
	Fluoranthene	mg/kg	10	37	8.0E-01	7.1E+01	5.2E+02	1.7E+02
	Fluorene	mg/kg	4	37	9.7E-01	1.1E+01	3.2E+01	2.5E+01
	HMX	mg/kg	15	102	1.3E-01	1.6E+02	2.2E+03	4.5E+02
	Indeno(1,2,3-cd)pyrene	mg/kg	8	37	5.2E-01	2.5E+01	1.4E+02	5.8E+01
	Naphthalene	mg/kg	1	37	2.6E+01	2.6E+01	2.6E+01	
	Phenanthrene	mg/kg	10	37	7.7E-01	4.2E+01	2.9E+02	9.9E+01

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Three-Mile Canyon (Part of Pajarito Canyon)	Pyrene	mg/kg	8	37	1.2E+00	7.6E+01	4.4E+02	1.8E+02
	RDX	mg/kg	6	102	6.3E-01	3.2E+02	1.9E+03	9.5E+02
	Trinitrobenzene[1,3,5-]	mg/kg	1	102	3.7E-01	3.7E-01	3.7E-01	
Two-Mile Canyon (Part of Pajarito Canyon)	Acetone	mg/kg	14	61	5.0E-03	2.9E-02	7.4E-02	4.1E-02
	Amino-2,6-dinitrotoluene[4-]	mg/kg	2	300	9.1E-02	1.3E-01	1.6E-01	2.0E-01
	Aroclor-1254	mg/kg	2	13	4.7E-01	4.8E-01	4.8E-01	4.9E-01
	Aroclors (Mixed)	mg/kg	2	13	4.7E-01	4.8E-01	4.8E-01	4.9E-01
	Benzo(a)anthracene	mg/kg	3	154	5.5E-02	3.0E+00	8.0E+00	8.0E+00
	Benzo(a)pyrene	mg/kg	1	154	5.3E-02	5.3E-02	5.3E-02	
	Benzo(b)fluoranthene	mg/kg	2	154	4.5E-02	4.7E-01	9.0E-01	1.3E+00
	Benzo(g,h,i)perylene	mg/kg	1	154	1.8E-01	1.8E-01	1.8E-01	
	Benzo(k)fluoranthene	mg/kg	2	154	5.8E-02	6.9E-02	8.0E-02	9.1E-02
	Benzoic Acid	mg/kg	2	138	1.2E-01	1.5E-01	1.9E-01	2.2E-01
	Bis(2-ethylhexyl) phthalate	mg/kg	17	154	3.8E-02	4.7E+00	5.1E+01	1.1E+01
	Butanone[2-]	mg/kg	1	62	9.0E-03	9.0E-03	9.0E-03	
	Chloronaphthalene[2-]	mg/kg	1	154	2.7E-01	2.7E-01	2.7E-01	
	Chrysene	mg/kg	1	152	7.3E+00	7.3E+00	7.3E+00	
	Di-n-butylphthalate	mg/kg	25	154	4.6E-02	9.3E+00	1.5E+02	2.2E+01
	Di-n-octylphthalate	mg/kg	3	154	1.0E-01	7.4E-01	2.0E+00	2.0E+00
	Dichlorobenzene[1,2-]	mg/kg	1	216	3.2E-01	3.2E-01	3.2E-01	
	Dichlorobenzene[1,3-]	mg/kg	1	216	3.1E-01	3.1E-01	3.1E-01	
	Diethylphthalate	mg/kg	1	154	4.1E-02	4.1E-02	4.1E-02	
	Dinitrobenzene[1,3-]	mg/kg	1	300	5.4E-01	5.4E-01	5.4E-01	
	Dinitrotoluene[2,4-]	mg/kg	1	454	2.6E-01	2.6E-01	2.6E-01	
	Dinitrotoluene[2,6-]	mg/kg	1	454	2.6E-01	2.6E-01	2.6E-01	

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Two-Mile Canyon (Part of Pajarito Canyon) (Cont.)	Fluoranthene	mg/kg	2	154	7.6E-01	1.0E+01	2.0E+01	3.0E+01
	HMX	mg/kg	11	300	8.5E-03	4.7E+00	3.8E+01	1.1E+01
	Hexachlorobenzene	mg/kg	1	154	2.7E-01	2.7E-01	2.7E-01	
	Naphthalene	mg/kg	1	170	2.3E+00	2.3E+00	2.3E+00	
	Nitrobenzene	mg/kg	1	454	1.8E-01	1.8E-01	1.8E-01	
	Nitrotoluene[3-]	mg/kg	1	300	1.6E-01	1.6E-01	1.6E-01	
	Phenanthrene	mg/kg	2	154	1.4E-01	7.6E+00	1.5E+01	2.2E+01
	Phenol	mg/kg	1	154	7.2E-02	7.2E-02	7.2E-02	
	Pyrene	mg/kg	4	154	1.9E-01	6.1E+00	2.3E+01	1.7E+01
	RDX	mg/kg	7	300	1.8E-01	1.0E+00	1.8E+00	1.4E+00
	Tetryl	mg/kg	3	300	4.3E-01	6.0E+00	9.5E+00	1.2E+01
	Toluene	mg/kg	1	62	3.0E-03	3.0E-03	3.0E-03	
	Trichloro-1,2,2-trifluoroethane[1,1,2-]	mg/kg	3	62	6.0E-03	9.3E-03	1.5E-02	1.5E-02
	Trichlorobenzene [1,2,4-]	mg/kg	1	169	3.7E-01	3.7E-01	3.7E-01	
	Trichloroethene	mg/kg	1	62	1.0E-03	1.0E-03	1.0E-03	
Water Canyon	Trinitrotoluene[2,4,6-]	mg/kg	3	300	1.2E-01	9.0E-01	2.3E+00	2.3E+00
	Acenaphthene	mg/kg	67	473	4.2E-02	3.5E+00	5.0E+01	
	Acenaphthylene	mg/kg	12	473	4.5E-02	2.7E-01	1.9E+00	5.7E-01
	Acetone	mg/kg	7	106	8.0E-03	1.8E-01	5.2E-01	3.1E-01
	Amino-2,6-dinitrotoluene[4-]	mg/kg	64	485	9.7E-02	6.5E+00	6.4E+01	9.9E+00
	Amino-4,6-dinitrotoluene[2-]	mg/kg	74	462	8.4E-02	1.0E+01	8.3E+01	1.4E+01
	Aniline	mg/kg	1	470	1.9E+00	1.9E+00	1.9E+00	
	Anthracene	mg/kg	93	473	3.7E-02	5.0E+00	1.2E+02	8.6E+00
	Aroclor-1260	mg/kg	6	32	3.8E-02	1.7E+00	3.1E+00	2.8E+00

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Water Canyon (Cont.)	Aroclors (Mixed)	mg/kg	4	6	2.0E+00	2.6E+00	3.1E+00	3.2E+00
	Azobenzene	mg/kg	1	411	1.9E+00	1.9E+00	1.9E+00	
	Benzene	mg/kg	1	109	2.0E-03	2.0E-03	2.0E-03	
	Benzo(a)anthracene	mg/kg	111	473	3.6E-02	1.0E+01	4.2E+02	1.9E+01
	Benzo(a)pyrene	mg/kg	121	473	5.3E-02	8.9E+00	4.6E+02	1.7E+01
	Benzo(b)fluoranthene	mg/kg	137	474	4.3E-02	1.2E+01	5.8E+02	2.2E+01
	Benzo(g,h,i)perylene	mg/kg	97	473	3.8E-02	6.7E+00	3.5E+02	1.4E+01
	Benzo(k)fluoranthene	mg/kg	84	451	4.2E-02	6.3E+00	1.5E+02	1.1E+01
	Benzoic Acid	mg/kg	49	472	3.5E-02	5.2E-01	9.5E+00	9.1E-01
	Benzyl Alcohol	mg/kg	4	472	5.2E-02	1.0E+00	3.8E+00	2.9E+00
	Bis(2-chloroethoxy) methane	mg/kg	1	472	1.9E+00	1.9E+00	1.9E+00	
	Bis(2-chloroethyl)ether	mg/kg	1	472	1.9E+00	1.9E+00	1.9E+00	
	Bis(2-ethylhexyl) phthalate	mg/kg	119	472	3.8E-02	5.3E+00	1.5E+02	8.4E+00
	Bromophenyl- phenylether[4-]	mg/kg	1	472	1.9E+00	1.9E+00	1.9E+00	
	Butanone[2-]	mg/kg	6	106	9.0E-03	2.1E-02	3.2E-02	2.8E-02
	Butylbenzylphthalate	mg/kg	4	472	3.0E-01	3.9E+00	1.3E+01	1.0E+01
	Carbazole	mg/kg	1	51	1.8E+00	1.8E+00	1.8E+00	
	Chloro-3- methylphenol[4-]	mg/kg	2	472	3.8E+00	4.6E+00	5.3E+00	6.1E+00
	Chloroaniline[4-]	mg/kg	1	472	3.8E+00	3.8E+00	3.8E+00	
	Chloronaphthalene[2-]	mg/kg	2	471	3.6E-01	1.1E+00	1.9E+00	2.7E+00
	Chlorophenol[2-]	mg/kg	2	471	3.5E-01	1.1E+00	1.9E+00	2.7E+00
	Chlorophenyl- phenyl[4-] Ether	mg/kg	1	472	1.9E+00	1.9E+00	1.9E+00	
	Chrysene	mg/kg	130	473	3.8E-02	1.2E+01	6.1E+02	2.3E+01

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Water Canyon (Cont.)	Di-n-butylphthalate	mg/kg	33	472	3.7E-02	7.6E-01	1.4E+01	1.6E+00
	Di-n-octylphthalate	mg/kg	5	472	7.8E-02	1.4E+00	4.5E+00	3.1E+00
	Dibenz(a,h)anthracene	mg/kg	56	473	3.8E-02	2.5E+00	6.8E+01	5.0E+00
	Dibenzofuran	mg/kg	47	472	3.6E-02	2.7E+00	3.1E+01	4.5E+00
	Dichlorobenzene[1,2-]	mg/kg	1	581	1.9E+00	1.9E+00	1.9E+00	
	Dichlorobenzene[1,3-]	mg/kg	1	581	1.9E+00	1.9E+00	1.9E+00	
	Dichlorobenzene[1,4-]	mg/kg	2	581	5.0E-02	9.8E-01	1.9E+00	2.8E+00
	Dichlorobenzidine [3,3'-]	mg/kg	1	472	3.8E+00	3.8E+00	3.8E+00	
	Dichloroethene [cis-1,2-]	mg/kg	11	98	1.0E-03	7.4E-03	6.7E-02	1.9E-02
	Dichlorophenol[2,4-]	mg/kg	1	472	1.9E+00	1.9E+00	1.9E+00	
	Diethylphthalate	mg/kg	7	472	5.6E-02	3.3E-01	1.9E+00	8.6E-01
	Dimethyl Phthalate	mg/kg	1	472	1.9E+00	1.9E+00	1.9E+00	
	Dimethylphenol[2,4-]	mg/kg	2	472	1.3E-01	1.0E+00	1.9E+00	2.8E+00
	Dinitro-2-methylphenol [4,6-]	mg/kg	1	472	9.5E+00	9.5E+00	9.5E+00	
	Dinitrobenzene[1,3-]	mg/kg	7	496	7.2E-02	5.8E+00	2.9E+01	1.4E+01
	Dinitrophenol[2,4-]	mg/kg	1	472	9.5E+00	9.5E+00	9.5E+00	
	Dinitrotoluene[2,4-]	mg/kg	53	967	4.6E-02	6.4E-01	4.0E+00	8.5E-01
	Dinitrotoluene[2,6-]	mg/kg	11	968	5.3E-02	3.7E-01	1.9E+00	6.9E-01
	Fluoranthene	mg/kg	163	475	3.4E-02	1.7E+01	9.8E+02	3.2E+01
	Fluorene	mg/kg	64	473	4.0E-02	3.3E+00	5.4E+01	5.6E+00
	Hexachlorobenzene	mg/kg	1	472	1.9E+00	1.9E+00	1.9E+00	
	Hexachlorobutadiene	mg/kg	1	477	1.9E+00	1.9E+00	1.9E+00	
	Hexachlorocyclo pentadiene	mg/kg	1	472	1.9E+00	1.9E+00	1.9E+00	
	Hexachloroethane	mg/kg	1	472	1.9E+00	1.9E+00	1.9E+00	

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Water Canyon (Cont.)	Indeno(1,2,-cd)pyrene	mg/kg	99	473	3.9E-02	6.2E+00	2.7E+02	1.2E+01
	Isophorone	mg/kg	1	472	1.9E+00	1.9E+00	1.9E+00	
	Isopropyltoluene[4-]	mg/kg	15	109	1.0E-03	9.0E-03	3.0E-02	1.3E-02
	Methyl-2-pentanone[4-]	mg/kg	1	106	2.0E-02	2.0E-02	2.0E-02	
	Methylene Chloride	mg/kg	17	109	3.0E-03	2.0E-02	1.3E-01	3.5E-02
	Methylnaphthalene[2-]	mg/kg	30	472	4.3E-02	2.1E+00	1.6E+01	3.5E+00
	Methylphenol[2-]	mg/kg	5	472	6.4E-02	7.6E-01	1.9E+00	1.6E+00
	Methylphenol[4-]	mg/kg	17	427	4.2E-02	4.3E-01	1.9E+00	6.9E-01
	Naphthalene	mg/kg	52	478	2.6E-03	3.5E+00	4.1E+01	5.7E+00
	Nitroaniline[2-]	mg/kg	1	472	9.5E+00	9.5E+00	9.5E+00	
	Nitroaniline[3-]	mg/kg	1	472	9.5E+00	9.5E+00	9.5E+00	
	Nitroaniline[4-]	mg/kg	2	472	6.8E-01	2.2E+00	3.8E+00	5.4E+00
	Nitrobenzene	mg/kg	5	968	9.1E-02	7.8E-01	1.9E+00	1.5E+00
	Nitrophenol[2-]	mg/kg	1	472	1.9E+00	1.9E+00	1.9E+00	
	Nitrophenol[4-]	mg/kg	1	472	9.5E+00	9.5E+00	9.5E+00	
	Nitroso-di-n-propylamine[N-]	mg/kg	1	472	1.9E+00	1.9E+00	1.9E+00	
	Nitrosodimethylamine[N-]	mg/kg	1	471	1.9E+00	1.9E+00	1.9E+00	
	Nitrosodiphenylamine[N-]	mg/kg	3	472	5.7E-02	7.7E-01	1.9E+00	1.9E+00
	Nitrotoluene[2-]	mg/kg	1	494	1.6E+00	1.6E+00	1.6E+00	
	Nitrotoluene[3-]	mg/kg	1	494	2.1E+00	2.1E+00	2.1E+00	
	Nitrotoluene[4-]	mg/kg	3	494	7.9E-01	4.0E+00	6.7E+00	7.4E+00
	Pentachlorophenol	mg/kg	1	472	9.5E+00	9.5E+00	9.5E+00	
	Phenanthrene	mg/kg	142	474	4.0E-02	1.3E+01	6.1E+02	2.4E+01
	Phenol	mg/kg	3	472	4.3E-02	7.0E-01	1.9E+00	1.9E+00

TABLE C-8.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Organics)-Continued

WATERSHED	ANALYTE NAME	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Water Canyon (Cont.)	Pyrene	mg/kg	167	474	3.6E-02	1.3E+01	7.2E+02	2.4E+01
	RDX	mg/kg	85	498	1.8E-01	2.3E+03	3.0E+04	3.6E+03
	TATB	mg/kg	1	15	3.3E+00	3.3E+00	3.3E+00	
	Tetrachloroethene	mg/kg	3	109	1.0E-03	3.3E-03	7.0E-03	7.0E-03
	Tetryl	mg/kg	21	496	9.1E-02	7.1E-01	3.0E+00	1.2E+00
	Toluene	mg/kg	26	109	2.0E-03	8.2E-03	2.8E-02	1.1E-02
	Trichlorobenzene [1,2,4-]	mg/kg	1	477	1.9E+00	1.9E+00	1.9E+00	
	Trichloroethane[1,1,1-]	mg/kg	2	109	2.0E-03	3.5E-03	5.0E-03	6.5E-03
	Trichloroethene	mg/kg	23	109	2.0E-03	1.3E-02	1.1E-01	2.2E-02
	Trichlorofluoromethane	mg/kg	21	109	1.0E-03	2.5E-03	5.0E-03	3.0E-03
	Trichlorophenol[2,4,5-]	mg/kg	1	472	9.5E+00	9.5E+00	9.5E+00	
	Trichlorophenol[2,4,6-]	mg/kg	1	472	1.9E+00	1.9E+00	1.9E+00	
	Trimethylbenzene [1,2,4-]	mg/kg	3	109	5.5E-02	8.2E-02	1.2E-01	1.2E-01
	Trinitrobenzene[1,3,5-]	mg/kg	13	496	9.0E-02	6.7E-01	3.4E+00	1.2E+00
	Trinitrotoluene[2,4,6-]	mg/kg	58	496	9.3E-02	1.7E+02	4.6E+03	3.4E+02
	Xylene (Total)	mg/kg	3	109	5.5E-02	8.6E-02	1.4E-01	1.4E-01

Note: Watersheds are defined in ER Project FIMAD map G105700, July 24, 1997.

Note: The analytical data provided in these tables were obtained from the Facility for Information Management, Analysis, and Display (FIMAD) in August, 1998. The data represent analytical results for surface soil samples collected by the ER Project with a begin depth equal to 0 inches and an end depth less than or equal to 12 inches. The data were obtained from ER Project-approved fixed-site analytical laboratories using standard analytical methods (EPA methods for organics and inorganics; LANL-approved methods for radionuclides). Field measurements, non-standard measurements (e.g. x-ray fluorescence), and measurements for non-chemical specific data (e.g. gross radioactivity) were excluded. Quality assurance/quality control data were also excluded. The ER Project may have removed contaminated soil in voluntary corrective actions subsequent to sampling; therefore, some analytical results may represent contaminants that have been removed since the samples were taken.

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Acid Canyon (Part of Pueblo/ Acid Canyon)	Aluminum	mg/kg	38	38	9.6E+02	4.6E+03	1.3E+04	5.5E+03
	Americium-241	pCi/g	1	3	1.7E+00	1.7E+00	1.7E+00	
	Antimony	mg/kg	7	50	9.0E-01	5.9E+01	1.2E+02	1.0E+02
	Arsenic	mg/kg	37	46	4.0E-01	1.5E+00	3.1E+00	1.7E+00
	Barium	mg/kg	43	46	1.1E+01	7.0E+01	3.1E+02	9.2E+01
	Beryllium	mg/kg	7	46	4.3E-01	1.8E+00	3.3E+00	2.7E+00
	Calcium	mg/kg	37	38	4.3E+02	2.1E+03	7.4E+03	2.6E+03
	Cesium-137	pCi/g	11	26	1.8E-01	5.2E-01	1.3E+00	7.5E-01
	Chromium, Total	mg/kg	38	46	2.7E+00	6.0E+00	1.2E+01	6.9E+00
	Cobalt	mg/kg	17	38	1.6E+00	3.0E+00	5.0E+00	3.5E+00
	Copper	mg/kg	10	13	1.2E+00	7.5E+00	1.7E+01	1.0E+01
	Cyanide, Total	mg/kg	1	7	5.0E-02	5.0E-02	5.0E-02	
	Iron	mg/kg	38	38	3.6E+03	7.6E+03	1.4E+04	8.4E+03
	Lead	mg/kg	44	46	4.4E+00	2.9E+01	1.6E+02	3.7E+01
	Magnesium	mg/kg	33	38	1.7E+02	9.3E+02	3.0E+03	1.2E+03
	Manganese	mg/kg	13	13	1.5E+02	2.4E+02	3.3E+02	2.7E+02
	Mercury	mg/kg	21	43	1.8E-02	3.3E-01	1.0E+00	4.5E-01
	Molybdenum	mg/kg	3	25	2.2E+00	2.5E+00	2.8E+00	2.8E+00
	Nickel	mg/kg	5	46	4.4E+00	6.0E+00	7.6E+00	7.1E+00
	Plutonium-238	pCi/g	4	39	2.6E-02	5.5E-02	9.8E-02	8.5E-02
	Plutonium-239	pCi/g	21	39	1.3E-02	8.3E+00	2.4E+01	1.1E+01
	Potassium	mg/kg	20	38	2.2E+02	7.9E+02	1.7E+03	9.7E+02
	Potassium-40	pCi/g	1	1	1.9E+01	1.9E+01	1.9E+01	
	Radium-226	pCi/g	1	1	8.6E-01	8.6E-01	8.6E-01	
	Selenium	mg/kg	1	46	5.5E-01	5.5E-01	5.5E-01	

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Acid Canyon (Part of Pueblo/ Acid Canyon) (Cont.)	Silver	mg/kg	4	46	3.3E+00	5.3E+00	9.0E+00	8.0E+00
	Sodium	mg/kg	25	38	7.2E+01	1.7E+02	4.1E+02	2.0E+02
	Strontium	mg/kg	21	25	2.4E+00	9.8E+00	2.2E+01	1.3E+01
	Strontium-90	pCi/g	2	25	9.7E-01	1.3E+00	1.7E+00	2.0E+00
	Thallium	mg/kg	4	46	5.0E-02	1.6E+01	6.4E+01	4.8E+01
	Tritium	pCi/g	46	46	2.3E-02	6.5E-02	2.3E-01	8.1E-02
	Uranium-234	pCi/g	24	25	5.3E-01	1.1E+00	2.2E+00	1.2E+00
	Uranium-238	pCi/g	22	25	5.3E-01	9.1E-01	1.7E+00	1.0E+00
	Vanadium	mg/kg	32	38	3.0E+00	1.0E+01	2.3E+01	1.2E+01
	Zinc	mg/kg	38	38	2.4E+01	4.6E+01	1.0E+02	5.2E+01
Ancho Canyon	Actinium-228	pCi/g	116	161	4.8E-01	1.5E+00	4.3E+00	1.6E+00
	Aluminum	mg/kg	356	356	6.6E+02	5.2E+03	2.1E+04	5.6E+03
	Americium-241	pCi/g	8	363	1.6E-01	2.3E+00	9.3E+00	4.5E+00
	Antimony	mg/kg	18	410	7.3E-02	1.3E+01	1.8E+02	3.3E+01
	Arsenic	mg/kg	169	410	3.7E-01	2.5E+00	1.5E+02	4.3E+00
	Barium	mg/kg	411	447	4.4E+00	8.2E+01	7.5E+02	8.8E+01
	Barium-140	pCi/g	3	184	2.1E-01	2.0E+00	5.5E+00	5.5E+00
	Beryllium	mg/kg	242	447	1.5E-01	2.2E+00	3.5E+02	5.1E+00
	Bismuth-211	pCi/g	60	145	3.7E-01	2.8E+00	7.8E+00	3.2E+00
	Bismuth-212	pCi/g	19	145	5.4E-01	2.0E+00	5.2E+00	2.6E+00
	Bismuth-214	pCi/g	112	167	3.2E-01	1.3E+00	3.5E+00	1.4E+00
	Cadmium	mg/kg	108	449	7.6E-03	1.9E+01	1.5E+03	4.8E+01
	Cadmium-109	pCi/g	17	47	1.3E+00	2.2E+00	3.8E+00	2.6E+00
	Calcium	mg/kg	326	358	2.9E+00	3.1E+03	5.8E+04	3.6E+03
	Cesium-134	pCi/g	1	126	4.0E-01	4.0E-01	4.0E-01	
	Cesium-137	pCi/g	268	468	2.5E-02	5.2E-01	1.7E+01	6.5E-01

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Ancho Canyon (Cont.)	Chromium, Total	mg/kg	371	449	1.0E+00	7.4E+00	1.3E+02	8.7E+00
	Cobalt	mg/kg	214	395	2.7E-01	7.0E+00	4.4E+02	1.2E+01
	Cobalt-57	pCi/g	1	162	2.2E-01	2.2E-01	2.2E-01	
	Cobalt-60	pCi/g	3	379	8.1E-02	9.6E+00	2.8E+01	2.8E+01
	Copper	mg/kg	327	393	8.4E-01	3.8E+02	7.8E+04	8.6E+02
	Cyanide, Total	mg/kg	13	218	2.0E-01	1.7E+00	7.7E+00	2.8E+00
	Europium-152	pCi/g	12	223	1.3E-01	2.6E-01	4.5E-01	3.1E-01
	Iron	mg/kg	355	356	1.1E+03	6.9E+03	3.2E+04	7.3E+03
	Lead	mg/kg	431	445	1.0E+00	5.3E+01	1.0E+04	1.0E+02
	Lead-210	pCi/g	30	161	1.7E+00	1.4E+01	1.6E+02	2.5E+01
	Lead-212	pCi/g	152	188	3.7E-01	1.3E+00	3.6E+00	1.4E+00
	Lead-214	pCi/g	147	183	2.9E-01	1.1E+00	3.1E+00	1.2E+00
	Magnesium	mg/kg	301	356	9.2E+01	1.2E+03	7.2E+03	1.3E+03
	Manganese	mg/kg	356	356	5.6E+01	2.3E+02	8.3E+02	2.4E+02
	Manganese-54	pCi/g	3	126	4.5E-02	1.1E-01	2.4E-01	2.4E-01
	Mercury	mg/kg	96	433	3.5E-03	1.6E+00	4.4E+01	2.8E+00
	Mercury-203	pCi/g	2	29	6.1E-02	1.9E-01	3.3E-01	4.6E-01
	Neptunium-237	pCi/g	11	243	4.6E-01	7.9E-01	1.5E+00	1.0E+00
	Nickel	mg/kg	241	447	1.1E+00	1.1E+01	4.3E+02	1.6E+01
	Plutonium-238	pCi/g	66	156	2.0E-03	4.0E-02	1.1E+00	7.4E-02
	Plutonium-239	pCi/g	66	78	5.0E-03	5.2E-01	1.4E+01	9.6E-01
	Potassium	mg/kg	261	355	1.8E+02	1.3E+03	8.4E+03	1.4E+03
	Potassium-40	pCi/g	227	264	1.5E+01	2.8E+01	4.4E+01	2.8E+01
	Protactinium-231	pCi/g	16	127	1.1E+00	2.1E+00	5.4E+00	2.6E+00
	Protactinium-234	pCi/g	9	112	9.4E-01	5.9E+00	1.3E+01	8.6E+00
	Protactinium-234M	pCi/g	29	126	6.5E+00	8.5E+02	1.0E+04	1.6E+03

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Ancho Canyon (Cont.)	Radium-223	pCi/g	5	126	1.7E-01	4.5E-01	1.2E+00	8.4E-01
	Radium-224	pCi/g	47	151	8.4E-01	3.1E+00	7.4E+00	3.6E+00
	Radium-226	pCi/g	132	213	7.9E-01	2.5E+01	1.7E+03	5.5E+01
	Radon-219	pCi/g	2	135	2.2E-01	2.1E+00	4.0E+00	5.9E+00
	Ruthenium-106	pCi/g	1	321	3.6E+00	3.6E+00	3.6E+00	
	Selenium	mg/kg	15	409	6.7E-02	7.8E+00	1.0E+02	2.2E+01
	Silver	mg/kg	28	449	2.5E-01	1.1E+01	1.0E+02	2.1E+01
	Sodium	mg/kg	236	355	3.4E+01	1.8E+02	5.9E+03	2.3E+02
	Sodium-22	pCi/g	2	321	1.9E-01	2.9E-01	3.8E-01	4.8E-01
	Thallium	mg/kg	12	433	1.1E-01	2.0E+01	2.3E+02	5.9E+01
	Thallium-208	pCi/g	161	179	1.4E-01	4.8E-01	1.4E+00	5.1E-01
	Thorium	mg/kg	27	54	3.7E+00	9.4E+00	1.6E+01	1.1E+01
	Thorium-227	pCi/g	7	127	9.4E-01	2.7E+00	9.6E+00	5.1E+00
	Thorium-228	pCi/g	111	111	4.2E-01	1.5E+00	3.5E+00	1.7E+00
	Thorium-230	pCi/g	93	111	3.8E-01	1.5E+00	3.2E+00	1.6E+00
	Thorium-232	pCi/g	121	151	5.5E-01	1.7E+00	4.4E+00	1.9E+00
	Thorium-234	pCi/g	62	158	1.1E+00	1.8E+02	3.6E+03	3.1E+02
	Uranium	mg/kg	233	405	4.5E-01	4.4E+02	3.5E+04	8.1E+02
	Uranium-234	pCi/g	19	20	5.0E-01	5.1E+00	5.6E+01	1.1E+01
	Uranium-235	pCi/g	42	166	1.1E-01	6.2E+00	1.1E+02	1.2E+01
	Uranium-238	pCi/g	20	20	7.4E-01	4.5E+01	6.9E+02	1.1E+02
	Vanadium	mg/kg	255	356	7.2E-01	1.1E+01	1.3E+02	1.2E+01
	Yttrium-88	pCi/g	1	28	3.0E-01	3.0E-01	3.0E-01	
	Zinc	mg/kg	407	407	8.9E+00	6.5E+01	4.0E+03	8.7E+01

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Barrancas Canyon	Aluminum	mg/kg	38	38	6.3E+02	2.5E+03	7.1E+03	3.1E+03
	Arsenic	mg/kg	6	38	2.1E+00	2.7E+00	3.4E+00	3.1E+00
	Barium	mg/kg	7	38	4.4E+01	7.3E+01	1.0E+02	8.8E+01
	Beryllium	mg/kg	1	38	1.0E+00	1.0E+00	1.0E+00	
	Calcium	mg/kg	12	38	1.1E+03	4.1E+03	1.4E+04	6.6E+03
	Cesium-137	pCi/g	3	3	2.9E-01	3.1E-01	3.4E-01	3.4E-01
	Chromium, Total	mg/kg	9	38	2.1E+00	3.2E+00	4.9E+00	3.9E+00
	Copper	mg/kg	9	38	6.2E+00	8.9E+00	1.8E+01	1.1E+01
	Iron	mg/kg	38	38	1.3E+03	4.6E+03	1.0E+04	5.3E+03
	Lead	mg/kg	38	38	1.4E+00	9.9E+00	2.8E+01	1.2E+01
	Magnesium	mg/kg	6	38	1.1E+03	1.4E+03	1.7E+03	1.5E+03
	Manganese	mg/kg	38	38	7.2E+01	2.1E+02	3.9E+02	2.4E+02
	Mercury	mg/kg	1	38	1.2E-01	1.2E-01	1.2E-01	
	Nickel	mg/kg	1	38	1.0E+02	1.0E+02	1.0E+02	
	Potassium	mg/kg	4	38	1.2E+03	1.3E+03	1.4E+03	1.4E+03
Bayo Canyon	Strontium-90	pCi/g	3	38	5.3E-01	9.1E-01	1.1E+00	1.3E+00
	Zinc	mg/kg	38	38	8.2E+00	4.7E+01	6.7E+02	8.1E+01
	Aluminum	mg/kg	90	90	1.1E+03	8.7E+03	6.9E+04	1.2E+04
	Arsenic	mg/kg	9	90	8.0E-01	1.7E+00	3.4E+00	2.4E+00
	Barium	mg/kg	43	90	4.4E+01	1.0E+02	5.2E+02	1.3E+02
	Beryllium	mg/kg	1	90	1.1E+00	1.1E+00	1.1E+00	
	Cadmium	mg/kg	1	90	1.1E+00	1.1E+00	1.1E+00	
	Calcium	mg/kg	52	90	1.1E+03	2.8E+03	3.4E+04	4.0E+03
	Cesium-137	pCi/g	7	7	3.2E-02	2.8E-01	6.2E-01	4.4E-01
	Chromium, Total	mg/kg	53	90	2.0E+00	4.5E+00	2.1E+01	5.4E+00
	Cobalt	mg/kg	4	90	4.0E+00	8.5E+00	1.8E+01	1.5E+01

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Bayo Canyon (Cont.)	Copper	mg/kg	24	90	5.2E+00	1.1E+01	5.1E+01	1.5E+01
	Europium-152	pCi/g	2	7	1.5E-01	2.5E-01	3.5E-01	4.5E-01
	Iron	mg/kg	90	90	1.7E+03	6.3E+03	1.9E+04	7.0E+03
	Lead	mg/kg	90	90	3.3E+00	1.5E+01	1.6E+02	1.9E+01
	Lithium	mg/kg	7	7	2.1E+01	2.6E+01	2.9E+01	2.8E+01
	Magnesium	mg/kg	29	90	4.8E+02	1.3E+03	3.4E+03	1.6E+03
	Manganese	mg/kg	90	90	9.2E+01	2.6E+02	8.7E+02	2.9E+02
	Mercury	mg/kg	1	83	5.2E-01	5.2E-01	5.2E-01	
	Molybdenum	mg/kg	1	7	4.0E+00	4.0E+00	4.0E+00	
	Nickel	mg/kg	3	90	8.0E+00	9.5E+00	1.2E+01	1.2E+01
	Potassium	mg/kg	37	90	1.1E+03	7.4E+03	3.8E+04	1.2E+04
	Sodium	mg/kg	7	90	1.6E+04	2.6E+04	3.1E+04	3.1E+04
	Strontium	mg/kg	7	7	3.0E+01	5.9E+01	1.2E+02	8.9E+01
	Strontium-90	pCi/g	6	86	1.7E+00	8.7E+00	1.3E+01	1.3E+01
	Thallium	mg/kg	1	90	1.0E+01	1.0E+01	1.0E+01	
Cañada del Buey	Vanadium	mg/kg	19	90	4.0E+00	1.5E+01	4.5E+01	2.0E+01
	Zinc	mg/kg	90	90	1.1E+01	3.1E+01	8.8E+01	3.4E+01
	Aluminum	mg/kg	157	157	6.7E+02	4.7E+03	1.7E+04	5.1E+03
	Americium-241	pCi/g	23	88	5.0E-03	1.3E-01	1.0E+00	2.3E-01
	Antimony	mg/kg	4	194	8.0E-02	2.0E+01	7.6E+01	5.7E+01
	Arsenic	mg/kg	92	194	9.0E-01	5.1E+00	2.1E+02	9.6E+00
	Barium	mg/kg	147	194	1.1E+01	8.4E+01	4.1E+02	9.3E+01
	Beryllium	mg/kg	48	194	3.9E-01	8.4E-01	6.0E+00	1.1E+00
	Cadmium	mg/kg	30	194	6.2E-01	4.1E+00	4.7E+01	7.2E+00
	Calcium	mg/kg	132	157	3.6E+02	2.4E+03	2.3E+04	2.9E+03
	Cesium	mg/kg	13	27	3.0E-01	2.5E+00	9.1E+00	4.3E+00

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Cañada del Buey (Cont.)	Cesium-137	pCi/g	61	170	3.6E-02	3.0E-01	1.2E+00	3.7E-01
	Chromium, Total	mg/kg	178	194	1.3E+00	1.6E+01	8.1E+02	2.6E+01
	Cobalt	mg/kg	22	157	8.0E-01	7.6E+00	6.0E+01	1.4E+01
	Copper	mg/kg	122	157	8.1E-01	2.2E+02	8.1E+03	3.9E+02
	Cyanide, Total	mg/kg	1	2	1.2E+00	1.2E+00	1.2E+00	
	Iron	mg/kg	157	157	1.7E+03	7.3E+03	3.3E+04	8.1E+03
	Lead	mg/kg	190	194	2.9E+00	2.8E+02	4.4E+04	7.4E+02
	Lithium	mg/kg	9	27	2.1E+00	6.0E+00	2.2E+01	1.0E+01
	Magnesium	mg/kg	72	157	1.9E+02	1.3E+03	4.3E+03	1.4E+03
	Manganese	mg/kg	157	157	4.5E+01	2.2E+02	7.1E+02	2.4E+02
	Mercury	mg/kg	97	171	2.0E-02	5.6E+00	1.6E+02	9.9E+00
	Nickel	mg/kg	70	194	2.3E+00	2.4E+01	4.9E+02	4.1E+01
	Plutonium-238	pCi/g	53	100	4.5E-03	6.1E-01	1.7E+01	1.3E+00
	Plutonium-239	pCi/g	52	79	3.8E-03	5.8E-01	8.7E+00	9.5E-01
	Potassium	mg/kg	58	159	2.6E+02	1.2E+03	2.2E+03	1.4E+03
	Potassium-40	pCi/g	36	38	2.0E+01	3.2E+01	4.4E+01	3.4E+01
	Radium-226	pCi/g	22	37	1.8E+00	2.7E+00	4.2E+00	3.0E+00
	Selenium	mg/kg	11	194	6.2E-01	3.6E+01	3.6E+02	1.0E+02
	Silver	mg/kg	18	194	7.9E-01	4.3E+01	1.8E+02	7.2E+01
	Sodium	mg/kg	12	157	5.2E+01	2.0E+02	6.3E+02	3.2E+02
	Thallium	mg/kg	33	194	4.0E-02	7.0E+00	2.3E+02	2.1E+01
	Thorium-228	pCi/g	92	103	3.0E-02	5.2E-01	1.8E+00	6.0E-01
	Thorium-230	pCi/g	94	103	3.4E-02	4.2E-01	1.4E+00	4.9E-01
	Thorium-232	pCi/g	99	140	2.6E-02	7.1E-01	4.3E+00	8.8E-01
	Tritium	pCi/g	31	31	1.3E-02	6.2E-02	2.0E-01	7.6E-02
	Uranium-234	pCi/g	189	189	1.7E-01	1.1E+01	6.0E+02	2.0E+01

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Cañada del Buey (Cont.)	Uranium-235	pCi/g	97	206	2.0E-02	1.2E+00	4.2E+01	2.3E+00
	Uranium-238	pCi/g	189	226	1.7E-01	1.2E+00	1.7E+01	1.5E+00
	Vanadium	mg/kg	80	157	2.5E+00	1.5E+01	7.6E+01	1.7E+01
	Zinc	mg/kg	157	157	1.1E+01	1.5E+02	3.4E+03	2.1E+02
Chaquehui Canyon	Acetone	mg/kg	1	3	4.5E-02	4.5E-02	4.5E-02	
	Aluminum	mg/kg	138	138	1.4E+03	5.3E+03	1.4E+04	5.7E+03
	Antimony	mg/kg	58	348	2.2E-02	3.2E+00	7.0E+01	6.6E+00
	Arsenic	mg/kg	233	345	6.2E-01	2.8E+00	1.8E+01	3.2E+00
	Barium	mg/kg	332	345	2.0E+01	1.0E+02	1.3E+03	1.1E+02
	Beryllium	mg/kg	219	345	1.6E-01	7.0E-01	7.8E+00	7.8E-01
	Cadmium	mg/kg	73	345	4.0E-01	1.1E+01	6.2E+02	2.8E+01
	Calcium	mg/kg	126	139	5.9E+02	3.8E+03	3.8E+04	4.7E+03
	Cesium-137	pCi/g	123	323	4.0E-02	9.4E-01	1.7E+01	1.2E+00
	Chromium, Total	mg/kg	325	344	1.4E+00	1.1E+01	6.7E+02	1.5E+01
	Cobalt	mg/kg	33	139	1.6E+00	4.3E+00	1.9E+01	5.7E+00
	Copper	mg/kg	123	139	3.1E+00	9.0E+02	2.5E+04	1.5E+03
	Cyanide, Total	mg/kg	15	27	2.2E-01	9.3E-01	2.6E+00	1.3E+00
	Iron	mg/kg	139	139	2.3E+03	8.2E+03	6.1E+04	9.7E+03
	Lead	mg/kg	323	350	2.9E+00	4.1E+01	2.0E+03	5.6E+01
	Magnesium	mg/kg	95	139	1.6E+02	1.4E+03	3.7E+03	1.5E+03
	Manganese	mg/kg	139	139	8.0E+01	2.3E+02	8.9E+02	2.5E+02
	Mercury	mg/kg	29	151	2.0E-02	2.0E+00	2.3E+01	3.9E+00
	Nickel	mg/kg	211	345	2.3E+00	4.2E+01	3.1E+03	7.4E+01
	Plutonium-238	pCi/g	1	112	1.7E-02	1.7E-02	1.7E-02	
	Plutonium-239	pCi/g	66	112	1.1E-02	5.4E-02	9.5E-01	8.4E-02
	Potassium	mg/kg	96	139	2.4E+02	1.4E+03	3.1E+03	1.6E+03

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Chaquehui Canyon (Cont.)	Selenium	mg/kg	27	345	5.8E-01	1.8E+00	1.1E+01	2.7E+00
	Silver	mg/kg	30	345	3.6E-01	1.0E+01	4.6E+01	1.5E+01
	Sodium	mg/kg	32	139	6.1E+01	1.3E+02	3.2E+02	1.6E+02
	Thallium	mg/kg	2	139	1.8E+00	2.0E+00	2.2E+00	2.4E+00
	Tritium	pCi/g	125	126	1.5E-02	1.9E+02	1.2E+04	4.1E+02
	Uranium	mg/kg	31	323	2.5E-01	8.3E+00	1.3E+02	1.7E+01
	Uranium-234	pCi/g	1	1	2.7E+00	2.7E+00	2.7E+00	
	Uranium-235	pCi/g	1	1	1.8E-01	1.8E-01	1.8E-01	
	Uranium-238	pCi/g	1	1	6.2E+00	6.2E+00	6.2E+00	
	Vanadium	mg/kg	57	139	4.2E+00	1.2E+01	2.8E+01	1.3E+01
DP Canyon (Part of Los Alamos Canyon)	Zinc	mg/kg	345	345	1.2E+01	1.1E+02	9.4E+03	1.7E+02
	Actinium-227	pCi/g	4	112	1.8E+01	5.5E+01	1.1E+02	9.5E+01
	Actinium-228	pCi/g	80	82	6.6E-01	3.6E+00	1.1E+02	6.7E+00
	Aluminum	mg/kg	713	936	6.3E+00	6.8E+03	3.4E+04	7.1E+03
	Americium-241	pCi/g	476	805	5.0E-03	1.1E+01	2.6E+03	2.2E+01
	Antimony	mg/kg	26	936	2.2E-01	1.4E+01	6.4E+01	2.0E+01
	Arsenic	mg/kg	649	935	4.8E-01	2.7E+00	3.5E+01	2.9E+00
	Barium	mg/kg	909	935	9.0E-01	1.5E+02	1.7E+03	1.6E+02
	Beryllium	mg/kg	462	936	1.1E-01	1.8E+00	1.2E+02	2.4E+00
	Bismuth-211	pCi/g	73	85	7.8E-02	3.7E+00	4.3E+01	4.9E+00
	Bismuth-212	pCi/g	22	76	8.7E-01	6.6E+00	7.4E+01	1.4E+01
	Bismuth-214	pCi/g	71	74	5.0E-01	1.1E+00	5.0E+00	1.3E+00
	Cadmium	mg/kg	205	936	6.0E-02	2.8E+00	1.1E+02	4.1E+00
	Cadmium-109	pCi/g	2	2	1.1E+00	6.6E+00	1.2E+01	1.8E+01
	Calcium	mg/kg	683	935	6.0E-02	3.1E+03	4.4E+04	3.3E+03
	Cerium-144	pCi/g	1	92	1.9E-01	1.9E-01	1.9E-01	

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
DP Canyon (Part of Los Alamos Canyon) (Cont.)	Cesium-134	pCi/g	5	77	5.7E-02	1.4E+00	4.9E+00	3.3E+00
	Cesium-137	pCi/g	229	369	5.0E-02	3.7E+01	2.7E+03	6.6E+01
	Chromium, Total	mg/kg	857	936	1.7E+00	1.7E+01	1.0E+03	2.1E+01
	Cobalt	mg/kg	469	936	8.1E-01	7.1E+00	4.3E+02	9.8E+00
	Cobalt-57	pCi/g	4	85	5.2E-01	3.2E+00	8.1E+00	6.5E+00
	Cobalt-60	pCi/g	2	92	3.2E-02	4.5E-02	5.8E-02	7.1E-02
	Copper	mg/kg	731	936	1.4E+00	2.1E+01	1.9E+03	2.8E+01
	Cyanide, Total	mg/kg	3	5	7.6E-01	1.2E+00	2.0E+00	2.0E+00
	Europium-152	pCi/g	2	23	2.6E-01	4.9E-01	7.1E-01	9.4E-01
	Iron	mg/kg	705	936	5.9E+00	8.4E+03	1.1E+05	8.9E+03
	Lead	mg/kg	816	936	3.7E+00	4.1E+01	6.9E+03	5.9E+01
	Lead-210	pCi/g	46	162	1.7E+00	3.1E+00	1.1E+01	3.6E+00
	Lead-211	pCi/g	1	71	2.2E+01	2.2E+01	2.2E+01	
	Lead-212	pCi/g	205	207	3.4E-01	2.4E+00	1.2E+02	3.8E+00
	Lead-214	pCi/g	196	199	4.5E-01	1.2E+00	3.5E+00	1.2E+00
	Lithium	mg/kg	443	579	2.0E+00	1.6E+01	6.1E+01	1.7E+01
	Magnesium	mg/kg	619	936	1.1E+00	1.4E+03	4.7E+03	1.5E+03
	Manganese	mg/kg	933	935	1.2E+00	2.9E+02	9.2E+02	3.0E+02
	Manganese-54	pCi/g	4	72	3.7E-02	1.5E+00	4.9E+00	3.8E+00
	Mercury	mg/kg	91	355	4.0E-02	1.0E+00	1.8E+01	1.6E+00
	Molybdenum	mg/kg	29	601	1.6E+00	5.2E+00	2.1E+01	7.2E+00
	Nickel	mg/kg	338	935	1.9E+00	1.1E+01	2.7E+02	1.4E+01
	Plutonium-238	pCi/g	529	977	4.0E-04	1.2E+00	1.3E+02	1.8E+00
	Plutonium-239	pCi/g	910	946	3.9E-03	6.8E+00	7.7E+02	9.2E+00
	Potassium	mg/kg	556	937	1.4E+00	1.3E+03	4.2E+03	1.4E+03
	Potassium-40	pCi/g	214	221	1.4E+01	2.7E+01	7.2E+01	2.8E+01

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
DP Canyon (Part of Los Alamos Canyon) (Cont.)	Protactinium-231	pCi/g	18	72	2.1E+00	3.8E+00	1.2E+01	4.9E+00
	Protactinium-234M	pCi/g	6	72	9.3E+00	6.4E+01	2.9E+02	1.5E+02
	Radium-223	pCi/g	8	77	4.0E-01	9.8E+00	3.4E+01	1.9E+01
	Radium-224	pCi/g	90	107	5.0E-01	3.6E+00	5.8E+00	3.9E+00
	Radium-226	pCi/g	116	130	6.9E-01	2.5E+00	1.9E+01	2.9E+00
	Radium-228	pCi/g	1	1	1.4E+00	1.4E+00	1.4E+00	
	Radon-219	pCi/g	4	73	7.8E-01	1.1E+01	2.7E+01	2.4E+01
	Ruthenium-106	pCi/g	1	93	9.3E+00	9.3E+00	9.3E+00	
	Selenium	mg/kg	33	935	2.0E-01	2.5E+00	5.9E+01	6.0E+00
	Silver	mg/kg	33	933	2.0E-01	1.1E+01	1.1E+02	1.9E+01
	Sodium	mg/kg	263	855	4.0E+01	3.9E+02	2.1E+04	5.6E+02
	Sodium-22	pCi/g	2	94	2.3E-01	2.5E-01	2.7E-01	2.9E-01
	Strontium	mg/kg	577	587	2.5E+00	4.5E+01	2.7E+02	4.8E+01
	Strontium-85	pCi/g	1	2	1.8E-01	1.8E-01	1.8E-01	
	Strontium-90	pCi/g	169	969	3.7E-02	3.1E+01	1.8E+03	5.9E+01
	Thallium	mg/kg	44	938	1.1E-01	3.0E+00	5.9E+01	6.0E+00
	Thallium-208	pCi/g	119	121	1.4E-01	9.5E-01	3.8E+01	1.6E+00
	Thorium-227	pCi/g	13	75	4.3E+00	3.5E+01	2.4E+02	7.4E+01
	Thorium-228	pCi/g	114	130	7.0E-01	2.6E+00	9.1E+01	4.3E+00
	Thorium-229	pCi/g	1	3	2.9E-01	2.9E-01	2.9E-01	
	Thorium-230	pCi/g	109	114	6.0E-01	2.0E+00	5.7E+01	3.1E+00
	Thorium-232	pCi/g	111	114	6.4E-01	2.7E+00	1.1E+02	4.8E+00
	Thorium-234	pCi/g	98	166	1.1E+00	2.6E+00	1.6E+01	3.0E+00
	Tritium	pCi/g	386	406	1.7E-03	7.9E+00	8.9E+02	1.4E+01
	Uranium-234	pCi/g	178	178	5.8E-01	5.7E+02	7.2E+04	1.4E+03
	Uranium-235	pCi/g	78	306	3.0E-02	1.7E+02	4.6E+03	3.3E+02

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
DP Canyon (Part of Los Alamos Canyon) (Cont.)	Uranium-238	pCi/g	179	180	6.3E-01	5.7E+00	3.7E+02	1.1E+01
	Vanadium	mg/kg	826	936	2.6E+00	1.8E+01	1.3E+02	1.9E+01
	Zinc	mg/kg	934	936	2.4E+00	7.2E+01	3.0E+03	8.2E+01
Frijoles Canyon	Actinium-228	pCi/g	6	6	9.8E-01	1.4E+00	1.9E+00	1.7E+00
	Bismuth-214	pCi/g	6	6	6.0E-01	8.8E-01	1.0E+00	1.0E+00
	Cesium-137	pCi/g	5	6	3.3E-01	5.0E-01	1.0E+00	7.7E-01
	Lead	mg/kg	3	3	6.1E+00	1.3E+01	1.8E+01	2.0E+01
	Lead-212	pCi/g	6	6	1.1E+00	1.4E+00	1.7E+00	1.6E+00
	Lead-214	pCi/g	6	6	7.2E-01	1.0E+00	1.2E+00	1.2E+00
	Neptunium-237	pCi/g	1	6	9.4E-01	9.4E-01	9.4E-01	
	Potassium-40	pCi/g	6	6	2.5E+01	3.0E+01	3.5E+01	3.3E+01
	Radium-226	pCi/g	6	6	6.0E-01	8.8E-01	1.0E+00	1.0E+00
	Thallium-208	pCi/g	6	6	2.9E-01	4.1E-01	4.9E-01	4.7E-01
Graduation Canyon (Part of Pueblo/Acid Canyon)	Aluminum	mg/kg	8	8	3.6E+03	4.8E+03	6.6E+03	5.6E+03
	Americium-241	pCi/g	8	8	1.5E-02	2.2E-02	2.5E-02	2.4E-02
	Antimony	mg/kg	6	8	2.7E-01	4.6E-01	6.5E-01	6.0E-01
	Arsenic	mg/kg	7	8	1.1E+00	2.1E+00	3.2E+00	2.7E+00
	Barium	mg/kg	8	8	4.6E+01	8.5E+01	1.2E+02	1.0E+02
	Beryllium	mg/kg	8	8	3.9E-01	4.9E-01	5.5E-01	5.3E-01
	Cadmium	mg/kg	4	8	7.2E-01	8.5E-01	9.5E-01	9.5E-01
	Calcium	mg/kg	8	8	3.0E+03	4.8E+03	6.9E+03	6.0E+03
	Cesium-137	pCi/g	5	8	7.3E-01	1.5E+00	1.8E+00	1.9E+00
	Chromium, Total	mg/kg	8	8	3.0E+00	5.0E+00	7.2E+00	6.1E+00
	Cobalt	mg/kg	2	8	2.4E+00	3.0E+00	3.5E+00	4.1E+00
	Copper	mg/kg	8	8	4.4E+00	7.6E+00	1.6E+01	1.0E+01

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Graduation Canyon (Part of Pueblo/Acid Canyon) (Cont.)	Iron	mg/kg	8	8	4.5E+03	6.2E+03	8.1E+03	7.0E+03
	Lead	mg/kg	8	8	2.0E+01	3.2E+01	4.7E+01	3.9E+01
	Lithium	mg/kg	8	8	2.8E+00	4.4E+00	5.6E+00	5.0E+00
	Magnesium	mg/kg	8	8	8.2E+02	1.2E+03	1.7E+03	1.4E+03
	Manganese	mg/kg	8	8	2.2E+02	3.1E+02	4.0E+02	3.5E+02
	Nickel	mg/kg	4	8	3.5E+00	4.6E+00	5.8E+00	5.5E+00
	Plutonium-239	pCi/g	8	8	1.7E-01	3.8E-01	6.2E-01	4.8E-01
	Potassium	mg/kg	8	8	4.9E+02	1.0E+03	1.6E+03	1.3E+03
	Selenium	mg/kg	1	8	6.4E-01	6.4E-01	6.4E-01	
	Strontium	mg/kg	8	8	1.7E+01	2.5E+01	4.0E+01	3.1E+01
	Tritium	pCi/g	7	8	1.1E-01	3.1E-01	7.9E-01	4.8E-01
	Uranium-234	pCi/g	8	8	1.9E+00	2.2E+00	2.8E+00	2.4E+00
	Uranium-238	pCi/g	8	8	1.8E+00	2.3E+00	3.0E+00	2.5E+00
	Vanadium	mg/kg	8	8	5.2E+00	9.2E+00	1.3E+01	1.1E+01
	Zinc	mg/kg	8	8	3.7E+01	4.9E+01	6.6E+01	5.6E+01
Los Alamos Canyon	Actinium-228	pCi/g	24	34	9.2E-01	1.6E+00	2.0E+00	1.7E+00
	Aluminum	mg/kg	133	145	3.7E+02	4.1E+03	2.7E+04	4.7E+03
	Americium-241	pCi/g	49	121	7.0E-03	3.2E-01	3.3E+00	5.2E-01
	Antimony	mg/kg	55	421	4.0E-02	2.1E+01	1.1E+02	3.0E+01
	Arsenic	mg/kg	277	416	2.6E-01	1.9E+00	1.8E+01	2.1E+00
	Barium	mg/kg	368	382	5.8E+00	8.0E+01	9.2E+02	8.9E+01
	Beryllium	mg/kg	163	383	4.0E-02	1.2E+00	1.0E+01	1.4E+00
	Bismuth-211	pCi/g	12	33	6.5E-01	9.4E-01	1.8E+00	1.1E+00
	Bismuth-214	pCi/g	18	34	8.4E-01	1.3E+00	2.1E+00	1.5E+00
	Boron	mg/kg	1	21	1.4E+00	1.4E+00	1.4E+00	
	Cadmium	mg/kg	51	383	5.0E-02	7.7E-01	5.6E+00	1.0E+00

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Los Alamos Canyon (Cont.)	Calcium	mg/kg	129	145	3.1E+02	2.5E+03	2.2E+04	3.0E+03
	Cesium-137	pCi/g	78	147	8.2E-02	3.1E+00	4.5E+01	4.5E+00
	Chromium, Total	mg/kg	334	411	3.8E-01	2.9E+01	4.4E+02	3.7E+01
	Cobalt	mg/kg	102	145	5.2E-01	3.0E+00	1.6E+01	3.3E+00
	Cobalt-60	pCi/g	7	74	1.8E-01	7.4E-01	1.8E+00	1.3E+00
	Copper	mg/kg	123	145	1.6E+00	9.1E+00	1.7E+02	1.2E+01
	Europium-152	pCi/g	2	53	2.5E-01	3.2E-01	3.8E-01	4.5E-01
	Iron	mg/kg	132	144	2.1E+03	6.5E+03	2.2E+04	7.0E+03
	Lead	mg/kg	370	418	1.9E+00	5.2E+01	1.6E+03	6.4E+01
	Lead-210	pCi/g	1	12	7.9E+00	7.9E+00	7.9E+00	
	Lead-212	pCi/g	33	35	4.3E-01	1.5E+00	2.3E+00	1.6E+00
	Lead-214	pCi/g	22	35	7.1E-01	1.2E+00	1.8E+00	1.3E+00
	Lithium	mg/kg	24	109	5.7E+00	1.4E+01	2.5E+01	1.7E+01
	Magnesium	mg/kg	130	145	2.2E+02	8.9E+02	3.9E+03	9.9E+02
	Manganese	mg/kg	145	145	1.0E+02	2.6E+02	1.3E+03	2.8E+02
	Mercury	mg/kg	218	331	1.0E-04	1.9E+01	6.4E+02	2.8E+01
	Nickel	mg/kg	116	383	1.2E+00	8.0E+00	3.9E+01	9.4E+00
	Plutonium-238	pCi/g	107	451	5.0E-03	1.5E+00	4.4E+01	2.7E+00
	Plutonium-239	pCi/g	304	385	1.4E-02	9.7E+01	7.3E+03	1.6E+02
	Potassium	mg/kg	112	145	1.8E+02	8.3E+02	2.6E+03	9.0E+02
	Potassium-40	pCi/g	66	67	1.7E+01	2.6E+01	3.4E+01	2.7E+01
	Radium-224	pCi/g	1	33	1.4E+00	1.4E+00	1.4E+00	
	Radium-226	pCi/g	14	34	1.1E+00	1.8E+00	6.2E+00	2.5E+00
	Selenium	mg/kg	56	417	1.2E-01	2.7E+01	7.0E+01	3.3E+01
	Silicon	mg/kg	3	7	5.8E+01	6.9E+01	8.3E+01	8.4E+01
	Silver	mg/kg	34	383	5.2E-01	1.6E+01	1.5E+02	2.5E+01

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Los Alamos Canyon (Cont.)	Sodium	mg/kg	82	144	2.8E+01	1.3E+02	5.7E+02	1.5E+02
	Strontium	mg/kg	98	109	4.8E+00	2.3E+01	1.3E+02	2.8E+01
	Strontium-90	pCi/g	4	122	1.8E-01	3.5E+00	1.2E+01	9.1E+00
	Thallium	mg/kg	21	392	2.0E-01	3.8E+01	1.7E+02	6.2E+01
	Thallium-208	pCi/g	29	34	2.8E-01	4.9E-01	8.1E-01	5.4E-01
	Thorium-228	pCi/g	5	5	7.3E-01	1.5E+00	2.3E+00	2.0E+00
	Thorium-230	pCi/g	5	5	5.7E-01	1.4E+00	1.9E+00	1.8E+00
	Thorium-232	pCi/g	5	5	7.0E-01	1.5E+00	2.1E+00	1.9E+00
	Thorium-234	pCi/g	1	33	6.6E+00	6.6E+00	6.6E+00	
	Tritium	pCi/g	11	12	1.8E-02	8.9E-02	1.8E-01	1.2E-01
	Uranium	mg/kg	14	253	3.7E-01	1.2E+00	2.2E+00	1.5E+00
	Uranium-234	pCi/g	155	155	3.4E-01	2.7E+00	4.4E+01	3.5E+00
	Uranium-235	pCi/g	53	177	3.2E-02	2.4E-01	1.3E+00	3.2E-01
	Uranium-238	pCi/g	155	155	3.0E-01	2.7E+00	3.9E+01	3.5E+00
	Vanadium	mg/kg	139	145	2.4E+00	9.9E+00	5.9E+01	1.1E+01
	Zinc	mg/kg	141	145	1.3E+01	5.2E+01	3.7E+02	6.1E+01
Mortandad Canyon	Actinium-228	pCi/g	23	25	8.1E-01	1.5E+00	7.2E+00	2.0E+00
	Aluminum	mg/kg	74	74	5.0E+02	6.0E+03	5.0E+04	7.8E+03
	Americium-241	pCi/g	23	100	7.1E-03	5.9E+00	2.4E+01	9.1E+00
	Antimony	mg/kg	23	100	8.5E-02	4.8E-01	1.6E+00	6.3E-01
	Arsenic	mg/kg	82	100	4.8E-01	2.0E+00	5.2E+00	2.2E+00
	Barium	mg/kg	102	102	1.1E+01	1.7E+02	4.6E+03	2.8E+02
	Beryllium	mg/kg	60	102	1.6E-01	1.4E+00	4.8E+01	3.0E+00
	Bismuth-212	pCi/g	1	25	3.8E+00	3.8E+00	3.8E+00	
	Bismuth-214	pCi/g	23	25	7.2E-01	1.1E+00	6.5E+00	1.6E+00
	Cadmium	mg/kg	17	102	1.2E-01	4.5E+00	5.4E+01	1.1E+01

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Mortandad Canyon (Cont.)	Cadmium-109	pCi/g	6	25	2.2E+00	2.7E+00	3.8E+00	3.2E+00
	Calcium	mg/kg	73	73	2.1E+02	2.4E+03	5.7E+04	3.9E+03
	Cesium-137	pCi/g	49	79	4.7E-02	9.4E+00	7.8E+01	1.4E+01
	Chromium, Hexavalent	mg/kg	1	1	5.9E+00	5.9E+00	5.9E+00	
	Chromium, Total	mg/kg	90	102	8.8E-01	1.9E+01	4.5E+02	3.2E+01
	Cobalt	mg/kg	49	72	7.0E-01	2.4E+00	5.0E+00	2.7E+00
	Cobalt-60	pCi/g	14	79	9.3E-01	1.9E+00	3.2E+00	2.3E+00
	Copper	mg/kg	61	74	8.3E-01	2.7E+02	5.4E+03	5.2E+02
	Iron	mg/kg	74	74	1.4E+03	7.8E+03	5.0E+04	9.6E+03
	Lead	mg/kg	85	100	3.0E+00	4.4E+01	1.0E+03	7.5E+01
	Lead-212	pCi/g	25	25	1.1E+00	1.6E+00	8.2E+00	2.1E+00
	Lead-214	pCi/g	23	25	7.1E-01	1.2E+00	5.7E+00	1.6E+00
	Lithium	mg/kg	12	12	3.0E+00	7.0E+00	1.4E+01	9.4E+00
	Magnesium	mg/kg	73	73	1.3E+02	1.0E+03	8.8E+03	1.3E+03
	Manganese	mg/kg	74	74	5.9E+01	2.4E+02	1.6E+03	2.9E+02
	Mercury	mg/kg	16	63	4.0E-02	8.6E+00	4.6E+01	1.6E+01
	Molybdenum	mg/kg	2	12	1.8E+00	2.5E+00	3.2E+00	3.9E+00
	Nickel	mg/kg	86	102	1.3E+00	1.1E+01	5.3E+02	2.3E+01
	Plutonium-238	pCi/g	73	122	2.0E-03	1.3E+00	8.4E+00	1.9E+00
	Plutonium-239	pCi/g	76	108	5.0E-03	3.6E+00	2.8E+01	5.0E+00
	Potassium	mg/kg	74	74	1.5E+02	8.3E+02	5.6E+03	1.0E+03
	Potassium-40	pCi/g	54	54	2.1E+01	3.3E+01	2.2E+02	4.0E+01
	Protactinium-231	pCi/g	1	25	3.5E+00	3.5E+00	3.5E+00	
	Radium-224	pCi/g	3	25	1.7E+00	4.4E+00	8.9E+00	8.9E+00
	Radium-226	pCi/g	18	53	1.7E+00	2.8E+00	4.6E+00	3.1E+00
	Selenium	mg/kg	7	100	5.5E-01	8.0E-01	1.2E+00	9.8E-01

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Mortandad Canyon (Cont.)	Silver	mg/kg	1	102	1.5E-01	1.5E-01	1.5E-01	
	Sodium	mg/kg	41	73	8.3E-01	1.7E+02	4.6E+02	2.0E+02
	Strontium	mg/kg	12	12	4.2E+00	2.3E+01	1.4E+02	4.5E+01
	Strontium-90	pCi/g	13	43	1.2E+00	2.0E+00	5.1E+00	2.6E+00
	Thallium	mg/kg	30	100	2.0E-02	1.1E-01	4.0E-01	1.4E-01
	Thallium-208	pCi/g	19	25	3.2E-01	5.9E-01	3.3E+00	9.0E-01
	Thorium-228	pCi/g	59	60	5.3E-01	1.2E+00	2.0E+00	1.3E+00
	Thorium-230	pCi/g	61	61	4.0E-01	9.4E-01	3.9E+00	1.1E+00
	Thorium-232	pCi/g	63	89	6.5E-01	1.3E+00	4.4E+00	1.5E+00
	Tritium	pCi/g	28	29	5.2E-02	8.6E+00	9.8E+01	1.7E+01
	Uranium-234	pCi/g	122	128	3.2E-01	1.7E+00	2.6E+01	2.1E+00
	Uranium-235	pCi/g	23	141	2.0E-02	1.3E-01	4.0E-01	1.7E-01
	Uranium-238	pCi/g	121	156	1.4E-01	1.7E+00	2.6E+01	2.2E+00
	Vanadium	mg/kg	74	74	1.1E+00	1.8E+01	6.0E+02	3.5E+01
	Zinc	mg/kg	74	74	7.4E+00	6.4E+01	1.2E+03	1.0E+02
Pajarito Canyon	Actinium-228	pCi/g	13	17	5.9E-01	1.0E+00	1.7E+00	1.2E+00
	Aluminum	mg/kg	118	118	5.4E+02	6.1E+03	2.6E+04	7.0E+03
	Antimony	mg/kg	3	117	1.8E+01	1.0E+02	2.7E+02	2.7E+02
	Arsenic	mg/kg	59	118	7.8E-01	5.8E+00	1.1E+02	9.6E+00
	Barium	mg/kg	109	118	2.4E+01	2.1E+02	2.1E+03	2.9E+02
	Beryllium	mg/kg	16	118	4.5E-01	7.9E-01	1.3E+00	9.5E-01
	Bismuth-211	pCi/g	4	17	6.1E-01	1.0E+00	1.6E+00	1.5E+00
	Bismuth-212	pCi/g	2	17	1.6E+00	2.1E+00	2.6E+00	3.1E+00
	Bismuth-214	pCi/g	14	17	1.6E-01	7.8E-01	2.4E+00	1.1E+00
	Cadmium	mg/kg	46	118	1.2E-01	5.0E+00	2.6E+01	6.7E+00
	Calcium	mg/kg	110	118	8.6E+02	6.8E+03	1.2E+05	1.0E+04

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Pajarito Canyon (Cont.)	Cesium-137	pCi/g	22	31	7.1E-02	4.2E-01	1.9E+00	6.0E-01
	Chromium, Total	mg/kg	113	119	1.7E+00	9.1E+00	7.3E+01	1.1E+01
	Cobalt	mg/kg	18	118	1.1E+00	8.1E+00	2.5E+01	1.2E+01
	Cobalt-60	pCi/g	1	28	1.5E-01	1.5E-01	1.5E-01	
	Copper	mg/kg	92	118	2.7E+00	2.9E+02	1.0E+04	5.5E+02
	Cyanide, Total	mg/kg	10	40	5.2E-01	9.5E-01	4.2E+00	1.7E+00
	Iron	mg/kg	118	118	4.9E+02	1.2E+04	8.9E+04	1.4E+04
	Lead	mg/kg	117	117	3.1E+00	3.9E+02	1.2E+04	7.1E+02
	Lead-212	pCi/g	14	17	3.8E-01	1.0E+00	1.6E+00	1.2E+00
	Lead-214	pCi/g	12	17	4.1E-01	7.7E-01	1.1E+00	8.8E-01
	Magnesium	mg/kg	73	117	4.9E+02	2.0E+03	1.0E+04	2.4E+03
	Manganese	mg/kg	117	117	3.6E+00	3.5E+02	1.3E+03	3.9E+02
	Mercury	mg/kg	18	165	8.0E-02	2.0E+00	2.9E+01	5.1E+00
	Nickel	mg/kg	34	117	2.3E+00	2.3E+01	8.6E+01	3.1E+01
	Plutonium-238	pCi/g	8	18	1.0E-02	1.9E-01	1.0E+00	4.2E-01
	Plutonium-239	pCi/g	8	18	1.0E-02	1.1E-01	7.0E-01	2.8E-01
	Potassium	mg/kg	84	117	4.4E+02	1.4E+03	3.2E+03	1.6E+03
	Potassium-40	pCi/g	21	24	1.4E+01	2.5E+01	4.0E+01	2.8E+01
	Protactinium-234M	pCi/g	1	17	9.8E+00	9.8E+00	9.8E+00	
	Radium-224	pCi/g	12	17	1.2E+00	2.4E+00	5.8E+00	3.4E+00
	Radium-226	pCi/g	9	17	1.2E+00	2.0E+00	2.8E+00	2.3E+00
	Selenium	mg/kg	3	117	8.3E-01	1.2E+00	1.7E+00	1.7E+00
	Silver	mg/kg	23	119	1.0E+00	4.4E+01	1.8E+02	6.5E+01
	Sodium	mg/kg	12	117	7.4E+01	4.7E+02	1.5E+03	6.8E+02
	Sodium-22	pCi/g	1	28	1.3E-02	1.3E-02	1.3E-02	
	Strontium-90	pCi/g	2	15	6.7E-01	1.6E+00	2.5E+00	3.3E+00

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Pajarito Canyon (Cont.)	Thallium-208	pCi/g	13	17	2.6E-01	3.6E-01	5.2E-01	4.0E-01
	Thorium-227	pCi/g	3	17	8.1E-01	9.0E-01	9.6E-01	9.8E-01
	Thorium-228	pCi/g	34	34	5.3E-02	1.1E+00	2.5E+00	1.3E+00
	Thorium-230	pCi/g	32	34	7.1E-02	1.2E+00	5.6E+00	1.6E+00
	Thorium-232	pCi/g	34	34	7.4E-02	1.1E+00	2.5E+00	1.3E+00
	Uranium	mg/kg	8	69	2.2E+00	3.3E+00	5.0E+00	4.0E+00
	Uranium-234	pCi/g	5	5	5.2E-01	3.1E+01	1.5E+02	9.1E+01
	Uranium-235	pCi/g	5	22	2.9E-02	1.4E+00	7.0E+00	4.2E+00
	Uranium-238	pCi/g	5	5	5.3E-01	3.1E+01	1.5E+02	9.0E+01
	Vanadium	mg/kg	71	117	3.7E+00	1.6E+01	3.6E+01	1.8E+01
Pueblo Canyon (Part of Pueblo/Acid Canyon)	Zinc	mg/kg	117	117	1.1E+01	2.6E+02	4.6E+03	3.8E+02
	Actinium-228	pCi/g	6	7	8.2E-01	1.6E+00	2.1E+00	2.0E+00
	Aluminum	mg/kg	7	7	8.8E+02	3.1E+03	4.8E+03	3.9E+03
	Arsenic	mg/kg	5	7	1.5E+00	1.8E+00	2.6E+00	2.2E+00
	Barium	mg/kg	7	7	1.5E+01	4.8E+01	8.9E+01	6.5E+01
	Beryllium	mg/kg	5	7	6.0E-01	7.0E-01	7.6E-01	7.6E-01
	Bismuth-214	pCi/g	6	7	1.0E+00	1.4E+00	2.1E+00	1.7E+00
	Cadmium-109	pCi/g	2	7	6.5E+00	6.7E+00	6.9E+00	7.0E+00
	Calcium	mg/kg	7	7	3.7E+02	1.5E+03	3.6E+03	2.2E+03
	Cesium-137	pCi/g	2	7	3.3E-01	4.5E-01	5.6E-01	6.8E-01
	Chromium, Total	mg/kg	7	7	1.3E+00	3.2E+00	5.3E+00	4.1E+00
	Cobalt	mg/kg	7	7	1.3E+00	2.3E+00	3.3E+00	2.8E+00
	Copper	mg/kg	7	7	3.9E+00	7.0E+00	9.7E+00	8.8E+00
	Iron	mg/kg	7	7	4.4E+03	6.0E+03	7.4E+03	6.8E+03
	Lead	mg/kg	7	7	6.4E+00	1.5E+01	2.4E+01	2.0E+01
	Lead-212	pCi/g	7	7	6.0E-01	1.6E+00	2.4E+00	2.1E+00

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Pueblo Canyon (Part of Pueblo/ Acid Canyon) (Cont.)	Lead-214	pCi/g	7	7	4.2E-01	1.3E+00	2.2E+00	1.8E+00
	Magnesium	mg/kg	7	7	2.2E+02	6.7E+02	1.2E+03	8.8E+02
	Manganese	mg/kg	7	7	1.6E+02	2.6E+02	3.4E+02	3.0E+02
	Mercury	mg/kg	1	7	1.5E-01	1.5E-01	1.5E-01	
	Nickel	mg/kg	5	7	2.8E+00	3.6E+00	5.0E+00	4.4E+00
	Plutonium-238	pCi/g	1	51	2.0E-01	2.0E-01	2.0E-01	
	Plutonium-239	pCi/g	7	8	2.3E-01	1.1E+01	4.7E+01	2.4E+01
	Potassium	mg/kg	7	7	2.4E+02	8.3E+02	1.3E+03	1.1E+03
	Potassium-40	pCi/g	7	7	2.2E+01	2.6E+01	2.9E+01	2.8E+01
	Radium-226	pCi/g	2	6	3.6E+00	4.3E+00	5.1E+00	5.8E+00
	Selenium	mg/kg	4	7	5.0E-01	6.9E-01	9.8E-01	8.9E-01
	Sodium	mg/kg	2	7	1.5E+02	1.5E+02	1.5E+02	1.6E+02
	Thallium-208	pCi/g	6	7	3.7E-01	5.2E-01	7.6E-01	6.2E-01
	Vanadium	mg/kg	7	7	5.5E+00	7.6E+00	1.2E+01	9.1E+00
	Zinc	mg/kg	7	7	2.8E+01	3.5E+01	4.4E+01	3.9E+01
Rendija Canyon (Part of Guaje Canyon)	Aluminum	mg/kg	5	5	2.5E+03	6.3E+03	1.4E+04	1.1E+04
	Arsenic	mg/kg	3	5	1.1E+00	2.4E+00	3.9E+00	4.0E+00
	Barium	mg/kg	5	5	2.1E+01	5.6E+01	1.2E+02	9.9E+01
	Beryllium	mg/kg	5	5	2.0E-01	5.2E-01	1.0E+00	8.2E-01
	Calcium	mg/kg	5	5	1.0E+03	1.6E+03	2.2E+03	2.1E+03
	Chromium, Total	mg/kg	4	5	1.8E+00	6.0E+00	1.1E+01	1.1E+01
	Cobalt	mg/kg	2	5	5.0E+00	5.5E+00	6.0E+00	6.5E+00
	Copper	mg/kg	11	11	1.7E+00	4.4E+00	7.2E+00	5.5E+00
	Iron	mg/kg	5	5	2.6E+03	6.1E+03	1.2E+04	9.8E+03
	Lead	mg/kg	6	11	1.6E+00	8.2E+00	1.7E+01	1.3E+01
	Magnesium	mg/kg	5	5	5.7E+02	1.2E+03	2.4E+03	1.9E+03

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Rendija Canyon (Part of Guaje Canyon) (Cont.)	Manganese	mg/kg	5	5	6.7E+01	1.9E+02	3.4E+02	3.1E+02
	Nickel	mg/kg	2	5	7.6E+00	8.8E+00	1.0E+01	1.1E+01
	Potassium	mg/kg	5	5	3.3E+02	9.4E+02	1.9E+03	1.5E+03
	Selenium	mg/kg	1	5	8.0E-01	8.0E-01	8.0E-01	
	Sodium	mg/kg	5	5	8.1E+01	2.3E+02	4.3E+02	3.9E+02
	Vanadium	mg/kg	5	5	4.0E+00	1.0E+01	2.2E+01	1.8E+01
	Zinc	mg/kg	11	11	1.8E+01	3.1E+01	8.0E+01	4.2E+01
Rio Grande	Aluminum	mg/kg	6	6	3.0E+03	4.4E+03	6.9E+03	5.5E+03
	Arsenic	mg/kg	3	6	2.6E+00	1.8E+01	3.0E+01	3.4E+01
	Barium	mg/kg	6	6	5.4E+01	2.4E+02	5.3E+02	4.2E+02
	Cadmium	mg/kg	3	6	2.2E+00	2.6E+00	3.1E+00	3.1E+00
	Calcium	mg/kg	5	6	1.1E+03	2.4E+03	3.7E+03	3.5E+03
	Chromium, Total	mg/kg	5	6	2.6E+00	3.3E+00	3.9E+00	3.7E+00
	Copper	mg/kg	3	6	5.6E+00	6.5E+00	7.2E+00	7.4E+00
	Iron	mg/kg	6	6	4.0E+03	6.0E+03	8.2E+03	7.1E+03
	Lead	mg/kg	6	6	7.6E+00	5.5E+01	1.9E+02	1.1E+02
	Magnesium	mg/kg	1	6	1.3E+03	1.3E+03	1.3E+03	
	Manganese	mg/kg	6	6	2.5E+02	4.1E+02	8.6E+02	6.1E+02
	Mercury	mg/kg	3	6	4.3E-01	7.4E-01	1.1E+00	1.1E+00
	Potassium	mg/kg	1	6	1.4E+03	1.4E+03	1.4E+03	
	Zinc	mg/kg	6	6	3.5E+01	4.1E+01	5.2E+01	4.6E+01
Sandia Canyon	Actinium-228	pCi/g	12	13	1.1E+00	1.6E+00	2.1E+00	1.8E+00
	Aluminum	mg/kg	105	105	5.9E+02	5.8E+03	1.5E+04	6.2E+03
	Americium-241	pCi/g	1	60	6.8E-02	6.8E-02	6.8E-02	
	Antimony	mg/kg	37	135	3.0E-02	5.4E-01	5.5E+00	9.2E-01
	Arsenic	mg/kg	79	132	4.8E-01	3.5E+00	1.9E+01	4.1E+00

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Sandia Canyon (Cont.)	Barium	mg/kg	117	132	2.3E+01	9.9E+01	3.4E+02	1.1E+02
	Beryllium	mg/kg	76	133	1.2E-01	6.9E-01	2.3E+00	7.8E-01
	Bismuth-211	pCi/g	8	13	3.6E+00	4.2E+00	4.9E+00	4.5E+00
	Bismuth-212	pCi/g	1	8	1.9E+00	1.9E+00	1.9E+00	
	Bismuth-214	pCi/g	11	13	1.2E+00	1.5E+00	2.2E+00	1.7E+00
	Cadmium	mg/kg	54	132	1.4E-01	3.2E+00	3.0E+01	4.5E+00
	Cadmium-109	pCi/g	3	4	1.7E+00	3.6E+00	4.7E+00	5.6E+00
	Calcium	mg/kg	97	105	5.5E+02	3.1E+03	1.6E+04	3.6E+03
	Cesium-137	pCi/g	40	87	6.7E-02	4.0E-01	2.4E+00	5.5E-01
	Chromium, Total	mg/kg	121	132	1.5E+00	2.2E+01	2.4E+02	3.0E+01
	Cobalt	mg/kg	51	105	9.5E-01	3.5E+00	7.2E+00	3.9E+00
	Cobalt-60	pCi/g	1	60	7.0E-02	7.0E-02	7.0E-02	
	Copper	mg/kg	106	124	1.8E+00	7.6E+01	5.7E+02	1.0E+02
	Cyanide, Total	mg/kg	5	25	9.3E-01	1.2E+01	3.4E+01	2.5E+01
	Europium-152	pCi/g	6	56	2.1E-01	3.0E-01	4.4E-01	3.7E-01
	Iron	mg/kg	104	104	2.9E+03	7.4E+03	1.7E+04	7.9E+03
	Lead	mg/kg	135	135	3.4E+00	7.1E+01	1.6E+03	1.1E+02
	Lead-212	pCi/g	12	13	9.6E-01	1.6E+00	1.9E+00	1.7E+00
	Lead-214	pCi/g	12	13	7.6E-01	1.7E+00	2.6E+00	2.0E+00
	Magnesium	mg/kg	79	105	4.9E+02	1.4E+03	3.6E+03	1.5E+03
	Manganese	mg/kg	124	124	5.4E+01	2.2E+02	1.4E+03	2.4E+02
	Mercury	mg/kg	85	155	2.4E-03	1.5E+02	5.7E+03	3.0E+02
	Nickel	mg/kg	68	132	2.5E+00	8.5E+00	4.4E+01	1.0E+01
	Plutonium-238	pCi/g	29	42	2.0E-03	4.1E-02	2.1E-01	6.2E-02
	Plutonium-239	pCi/g	32	36	5.0E-03	3.0E-01	1.4E+00	4.3E-01
	Potassium	mg/kg	62	105	3.1E+02	1.2E+03	2.0E+03	1.3E+03

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Sandia Canyon (Cont.)	Potassium-40	pCi/g	12	13	3.0E+01	3.3E+01	3.9E+01	3.5E+01
	Protactinium-234M	pCi/g	3	8	4.6E+01	5.4E+01	6.5E+01	6.5E+01
	Radium-226	pCi/g	7	10	8.7E-01	2.3E+00	4.4E+00	3.5E+00
	Selenium	mg/kg	29	132	1.6E-01	9.9E-01	2.6E+00	1.2E+00
	Silver	mg/kg	37	132	5.6E-01	2.6E+01	1.1E+02	3.6E+01
	Sodium	mg/kg	45	105	4.1E+01	1.9E+02	8.4E+02	2.4E+02
	Strontium-90	pCi/g	1	60	6.6E-01	6.6E-01	6.6E-01	
	Thallium	mg/kg	35	132	1.4E-01	4.5E-01	2.2E+00	5.7E-01
	Thallium-208	pCi/g	12	13	3.0E-01	5.2E-01	6.7E-01	5.8E-01
	Thorium-234	pCi/g	10	12	2.9E+00	1.0E+01	3.6E+01	1.8E+01
	Tritium	pCi/g	23	23	3.2E-02	8.3E+01	5.6E+02	1.6E+02
	Tritium		6	0				
	Uranium	mg/kg	47	48	1.5E+00	6.0E+00	6.9E+01	9.8E+00
	Uranium-234	pCi/g	67	69	4.8E-01	2.3E+00	3.5E+01	3.7E+00
	Uranium-235	pCi/g	46	73	1.1E-02	2.8E-01	2.0E+00	4.3E-01
Starmer's Gulch (Part of Pajarito Canyon)	Uranium-238	mg/kg	1	1	5.3E-04	5.3E-04	5.3E-04	
	Uranium-238	pCi/g	64	68	5.0E-01	1.1E+00	2.6E+00	1.3E+00
	Vanadium	mg/kg	93	124	4.3E+00	1.7E+01	3.4E+01	1.8E+01
	Zinc	mg/kg	124	124	2.2E-02	1.2E+02	8.4E+02	1.5E+02
	Aluminum	mg/kg	37	37	4.4E+03	7.7E+03	1.6E+04	8.5E+03
	Arsenic	mg/kg	16	37	2.2E+00	7.3E+00	2.1E+01	1.0E+01
	Barium	mg/kg	43	47	4.7E+01	1.9E+02	5.3E+02	2.2E+02

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Starmer's Gulch (Part of Pajarito Canyon) (Cont.)	Chromium, Hexavalent	mg/kg	2	5	1.7E-01	1.8E-01	1.9E-01	2.0E-01
	Chromium, Total	mg/kg	49	49	3.5E+00	6.0E+01	5.9E+02	9.7E+01
	Cobalt	mg/kg	7	37	3.1E+00	8.8E+00	1.7E+01	1.3E+01
	Copper	mg/kg	35	37	6.0E+00	1.1E+03	1.2E+04	2.0E+03
	Cyanide, Total	mg/kg	3	21	1.0E+00	1.1E+00	1.1E+00	1.1E+00
	Iron	mg/kg	37	37	6.4E+03	1.2E+04	5.2E+04	1.5E+04
	Lead	mg/kg	43	49	7.6E+00	6.7E+01	4.2E+02	9.3E+01
	Magnesium	mg/kg	31	37	7.0E+02	1.4E+03	2.7E+03	1.6E+03
	Manganese	mg/kg	37	37	8.2E+01	3.5E+02	9.9E+02	4.2E+02
	Mercury	mg/kg	9	47	4.0E-02	2.1E-01	5.6E-01	3.2E-01
	Nickel	mg/kg	10	37	1.4E+02	8.2E+02	1.5E+03	1.1E+03
	Platinum	mg/kg	5	5	1.7E+01	2.0E+01	2.2E+01	2.1E+01
	Potassium	mg/kg	27	37	6.9E+02	1.4E+03	2.8E+03	1.5E+03
	Silver	mg/kg	14	39	2.5E+00	1.2E+01	3.4E+01	1.7E+01
	Sodium	mg/kg	6	37	1.0E+02	1.3E+02	1.6E+02	1.5E+02
Ten-Site Canyon (Part of Mortandad Canyon)	Strontium-90	pCi/g	6	9	7.1E-01	1.0E+00	1.7E+00	1.4E+00
	Thallium	mg/kg	1	37	1.9E+00	1.9E+00	1.9E+00	
	Vanadium	mg/kg	36	37	1.3E+01	2.3E+01	8.8E+01	2.8E+01
	Zinc	mg/kg	36	37	2.2E+01	8.0E+01	2.1E+02	9.8E+01
	Actinium-228	pCi/g	37	61	4.2E-01	1.4E+00	2.2E+00	1.5E+00
	Aluminum	mg/kg	108	108	1.6E+02	5.1E+03	1.5E+04	5.9E+03
	Americium-241	pCi/g	55	356	8.0E-03	3.6E+00	1.7E+02	9.8E+00
Ten-Site Canyon (Part of Mortandad Canyon)	Antimony	mg/kg	23	266	3.0E-02	8.1E-01	8.2E+00	1.7E+00
	Arsenic	mg/kg	215	267	2.4E-01	2.3E+00	1.2E+01	2.5E+00
	Barium	mg/kg	249	266	5.4E-01	8.9E+01	8.0E+02	9.8E+01
	Beryllium	mg/kg	212	266	6.0E-02	1.4E+00	1.5E+02	2.8E+00

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Ten-Site Canyon (Part of Mortandad Canyon) (Cont.)	Bismuth-211	pCi/g	7	61	1.6E+00	2.6E+00	3.7E+00	3.3E+00
	Bismuth-214	pCi/g	43	61	4.8E-01	9.1E-01	1.3E+00	9.8E-01
	Cadmium	mg/kg	42	266	3.6E-02	7.6E+00	1.7E+02	1.7E+01
	Calcium	mg/kg	107	108	1.6E+02	2.5E+03	1.1E+04	2.8E+03
	Cesium-137	pCi/g	58	292	1.2E-01	3.3E+00	7.3E+01	6.7E+00
	Chromium, Hexavalent	mg/kg	2	5	9.8E-01	1.7E+00	2.5E+00	3.3E+00
	Chromium, Total	mg/kg	256	267	1.1E+00	1.2E+01	8.1E+02	1.9E+01
	Cobalt	mg/kg	62	108	3.3E-01	3.2E+00	1.1E+01	3.6E+00
	Cobalt-60	pCi/g	8	292	1.0E-01	6.9E-01	1.5E+00	1.1E+00
	Copper	mg/kg	100	108	1.1E+00	2.6E+01	4.3E+02	3.7E+01
	Europium-152	pCi/g	3	134	3.6E-01	4.2E-01	4.7E-01	4.8E-01
	Iron	mg/kg	108	108	4.6E+02	6.6E+03	1.5E+04	7.3E+03
	Lead	mg/kg	249	272	1.1E+00	1.5E+01	9.8E+01	1.6E+01
	Lead-210	pCi/g	3	19	3.2E+00	4.7E+00	5.6E+00	6.3E+00
	Lead-212	pCi/g	59	62	1.9E-01	1.3E+00	3.3E+00	1.4E+00
	Lead-214	pCi/g	49	62	4.0E-01	9.2E-01	1.5E+00	1.0E+00
	Lithium	mg/kg	2	4	6.5E+00	6.7E+00	6.8E+00	7.0E+00
	Magnesium	mg/kg	102	108	4.0E+01	1.0E+03	2.7E+03	1.1E+03
	Manganese	mg/kg	108	108	1.7E+00	1.8E+02	3.7E+02	1.9E+02
	Mercury	mg/kg	36	168	2.0E-02	4.2E-01	4.0E+00	6.7E-01
	Nickel	mg/kg	187	266	2.0E+00	1.2E+01	8.7E+02	2.1E+01
	Plutonium-238	pCi/g	114	328	3.0E-03	4.8E+01	5.2E+03	1.4E+02
	Plutonium-239	pCi/g	185	262	2.0E-03	3.4E+00	4.5E+02	8.3E+00
	Potassium	mg/kg	102	110	6.9E+01	9.4E+02	3.1E+03	1.1E+03
	Potassium-40	pCi/g	228	282	7.0E+00	2.7E+01	4.7E+01	2.8E+01
	Radium-224	pCi/g	7	61	4.6E+00	1.3E+01	1.5E+01	1.5E+01

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Ten-Site Canyon (Part of Mortandad Canyon) (Cont.)	Radium-226	pCi/g	55	223	1.5E+00	3.2E+00	6.7E+00	3.5E+00
	Ruthenium-106	pCi/g	1	132	5.6E-01	5.6E-01	5.6E-01	
	Selenium	mg/kg	18	267	2.3E-01	5.9E-01	1.0E+00	6.8E-01
	Silver	mg/kg	25	266	3.9E-01	2.8E+01	4.1E+02	6.1E+01
	Sodium	mg/kg	91	108	2.6E+01	1.5E+02	3.7E+02	1.7E+02
	Strontium	mg/kg	3	4	3.8E+00	1.1E+01	1.5E+01	1.8E+01
	Strontium-90	pCi/g	12	223	1.2E+00	1.1E+02	9.0E+02	2.6E+02
	Thallium	mg/kg	122	268	3.0E-02	1.4E+00	1.4E+02	3.7E+00
	Thallium-208	pCi/g	40	62	1.7E-01	5.3E-01	1.6E+00	6.3E-01
	Thorium-227	pCi/g	3	61	2.0E+00	2.1E+00	2.2E+00	2.2E+00
	Thorium-228	pCi/g	5	5	1.9E-01	4.7E-01	7.2E-01	7.0E-01
	Thorium-230	pCi/g	4	5	2.9E-01	6.3E-01	8.2E-01	8.7E-01
	Thorium-232	pCi/g	27	164	2.1E-01	2.9E+00	4.8E+00	3.4E+00
	Tritium	pCi/g	185	217	4.7E-03	2.0E+00	1.8E+02	4.1E+00
	Uranium-234	pCi/g	328	383	1.6E-01	1.4E+00	4.9E+01	1.8E+00
	Uranium-235	pCi/g	56	521	2.0E-02	1.4E-01	1.5E+00	2.1E-01
	Uranium-238	pCi/g	328	435	1.5E-01	1.2E+00	3.6E+00	1.2E+00
Three-Mile Canyon (Part of Pajarito Canyon)	Vanadium	mg/kg	94	108	8.6E-01	1.3E+01	6.9E+01	1.5E+01
	Zinc	mg/kg	105	105	3.9E+00	7.2E+01	7.5E+02	9.6E+01
	Actinium-228	pCi/g	2	2	1.5E+00	1.7E+00	1.8E+00	1.9E+00
	Aluminum	mg/kg	145	145	6.1E+02	6.1E+03	9.7E+04	7.5E+03
	Antimony	mg/kg	25	145	1.1E-01	3.1E+00	1.8E+01	5.5E+00
	Arsenic	mg/kg	59	145	1.7E+00	1.2E+01	5.2E+02	2.9E+01
	Barium	mg/kg	130	145	2.8E+01	1.1E+02	8.7E+02	1.3E+02
	Beryllium	mg/kg	67	146	3.2E-01	7.3E+00	1.0E+02	1.1E+01
	Bismuth-211	pCi/g	2	2	6.0E-01	1.1E+00	1.6E+00	2.0E+00

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Three-Mile Canyon (Part of Pajarito Canyon) (Cont.)	Bismuth-212	pCi/g	1	2	2.3E+00	2.3E+00	2.3E+00	
	Bismuth-214	pCi/g	2	2	1.1E+00	1.2E+00	1.3E+00	1.3E+00
	Cadmium	mg/kg	38	145	1.3E-02	6.8E-01	2.7E+00	9.6E-01
	Calcium	mg/kg	138	145	5.3E+02	2.6E+03	2.0E+04	3.0E+03
	Cesium-137	pCi/g	12	17	6.4E-02	5.5E-01	2.5E+00	9.3E-01
	Chromium, Total	mg/kg	140	144	1.3E+00	2.4E+01	8.8E+02	3.9E+01
	Cobalt	mg/kg	31	145	1.8E+00	5.4E+00	1.3E+01	6.2E+00
	Copper	mg/kg	126	145	2.8E+00	4.7E+02	7.2E+03	6.7E+02
	Cyanide, Total	mg/kg	3	5	1.6E+00	4.5E+01	1.3E+02	1.3E+02
	Europium-152	pCi/g	1	14	2.6E-01	2.6E-01	2.6E-01	
	Iron	mg/kg	145	145	1.0E+03	8.4E+03	9.8E+04	9.9E+03
	Lead	mg/kg	146	147	2.4E+00	1.0E+03	1.3E+05	2.8E+03
	Lead-212	pCi/g	4	4	1.5E+00	1.6E+00	1.8E+00	1.7E+00
	Lead-214	pCi/g	4	4	8.8E-01	1.2E+00	1.4E+00	1.4E+00
	Magnesium	mg/kg	100	145	3.8E+02	1.2E+03	2.8E+03	1.3E+03
	Manganese	mg/kg	145	145	6.5E+01	2.7E+02	1.3E+03	3.0E+02
	Mercury	mg/kg	36	207	5.1E-03	3.9E-01	2.8E+00	6.4E-01
	Nickel	mg/kg	46	145	4.3E+00	2.9E+01	4.1E+02	5.0E+01
	Plutonium-238	pCi/g	5	10	9.0E-03	1.8E-02	3.0E-02	2.5E-02
	Plutonium-239	pCi/g	1	10	7.0E-03	7.0E-03	7.0E-03	
	Potassium	mg/kg	104	145	2.6E+02	1.1E+03	2.8E+03	1.2E+03
	Potassium-40	pCi/g	4	4	2.0E+01	2.5E+01	2.9E+01	2.9E+01
	Protactinium-231	pCi/g	1	17	4.9E+00	4.9E+00	4.9E+00	
	Protactinium-234	pCi/g	1	17	8.2E-01	8.2E-01	8.2E-01	
	Protactinium-234M	pCi/g	1	17	5.6E+02	5.6E+02	5.6E+02	
	Radium-224	pCi/g	2	2	2.1E+00	2.5E+00	2.9E+00	3.2E+00

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Three-Mile Canyon (Part of Pajarito Canyon) (Cont.)	Radium-226	pCi/g	4	4	9.6E-01	1.6E+00	2.9E+00	2.5E+00
	Ruthenium-106	pCi/g	1	16	6.6E-01	6.6E-01	6.6E-01	
	Selenium	mg/kg	11	145	1.4E-01	9.5E-01	2.0E+00	1.3E+00
	Silver	mg/kg	14	145	3.1E+00	1.1E+02	4.1E+02	1.9E+02
	Sodium	mg/kg	25	145	5.4E+01	1.4E+02	7.8E+02	2.1E+02
	Thallium	mg/kg	3	145	2.0E-01	2.2E+00	4.6E+00	4.8E+00
	Thallium-208	pCi/g	3	3	4.5E-01	5.2E-01	6.0E-01	6.1E-01
	Thorium-228	pCi/g	29	29	1.8E-01	1.1E+00	3.0E+00	1.3E+00
	Thorium-230	pCi/g	44	44	1.2E-01	1.0E+00	1.8E+00	1.1E+00
	Thorium-231	pCi/g	1	15	9.0E-01	9.0E-01	9.0E-01	
	Thorium-232	pCi/g	29	29	1.4E-01	1.1E+00	2.4E+00	1.2E+00
	Thorium-234	pCi/g	15	17	2.9E+00	2.2E+01	2.8E+02	5.9E+01
	Tritium	pCi/g	27	32	3.9E-01	1.1E+01	3.8E+01	1.5E+01
	Uranium-234	pCi/g	20	20	9.1E-01	1.4E+00	1.8E+00	1.5E+00
	Uranium-235	pCi/g	8	22	4.1E-02	2.3E+00	1.7E+01	6.4E+00
	Uranium-238	pCi/g	11	20	8.6E-01	2.7E+01	2.6E+02	7.5E+01
Two-Mile Canyon (Part of Pajarito Canyon)	Vanadium	mg/kg	97	145	4.5E+00	1.2E+01	2.8E+01	1.4E+01
	Zinc	mg/kg	145	145	1.2E+01	9.5E+01	2.9E+03	1.4E+02
	Acetone	mg/kg	1	61	2.2E-02	2.2E-02	2.2E-02	
	Actinium-228	pCi/g	2	16	1.6E+00	1.8E+00	2.0E+00	2.2E+00
	Aluminum	mg/kg	267	267	1.2E+03	6.9E+03	2.5E+04	7.4E+03
	Antimony	mg/kg	19	273	1.0E-01	7.7E+00	2.3E+01	1.1E+01
	Arsenic	mg/kg	201	273	3.7E-01	5.5E+00	1.7E+02	7.5E+00
	Barium	mg/kg	254	273	2.8E+01	3.2E+02	1.6E+04	5.1E+02
	Beryllium	mg/kg	106	274	1.0E-01	6.4E-01	3.3E+00	7.2E-01
	Bismuth-214	pCi/g	1	16	1.5E+00	1.5E+00	1.5E+00	

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Two-Mile Canyon (Part of Pajarito Canyon) (Cont.)	Cadmium	mg/kg	82	273	5.0E-02	8.5E+00	1.4E+02	1.3E+01
	Calcium	mg/kg	249	267	6.1E+02	4.3E+03	1.9E+05	6.2E+03
	Cesium-137	pCi/g	119	159	3.9E-02	7.9E-01	5.4E+00	9.1E-01
	Chromium, Total	mg/kg	268	273	1.2E+00	5.0E+01	1.7E+03	7.3E+01
	Cobalt	mg/kg	110	267	7.7E-01	6.0E+00	2.3E+01	6.8E+00
	Copper	mg/kg	234	273	1.1E+00	5.5E+02	2.8E+04	8.9E+02
	Cyanide, Total	mg/kg	24	160	3.8E-01	2.0E+00	6.6E+00	2.8E+00
	Fluorine	mg/kg	12	12	2.0E+00	5.2E+00	1.1E+01	7.0E+00
	Gold	mg/kg	5	25	7.1E+00	7.0E+02	3.1E+03	1.9E+03
	Iron	mg/kg	267	267	1.4E+03	1.1E+04	2.2E+05	1.3E+04
	Lead	mg/kg	273	273	1.0E+00	1.1E+02	7.3E+03	1.8E+02
	Lead-212	pCi/g	4	16	7.8E-01	1.3E+00	1.7E+00	1.7E+00
	Lead-214	pCi/g	4	16	5.3E-01	1.0E+00	1.4E+00	1.3E+00
	Magnesium	mg/kg	218	267	3.8E+02	1.4E+03	4.3E+03	1.5E+03
	Manganese	mg/kg	273	273	1.7E+01	3.4E+02	4.0E+03	3.7E+02
	Mercury	mg/kg	39	278	5.0E-02	1.2E+01	1.2E+02	2.0E+01
	Nickel	mg/kg	147	273	1.4E+00	1.1E+02	1.6E+03	1.6E+02
	Platinum	mg/kg	17	25	1.4E+01	4.6E+01	1.9E+02	6.7E+01
	Plutonium-238	pCi/g	2	7	1.4E-02	2.1E-02	2.8E-02	3.5E-02
	Plutonium-239	pCi/g	5	7	3.8E-02	6.1E-01	1.6E+00	1.1E+00
	Potassium	mg/kg	195	267	1.0E+02	1.3E+03	3.1E+03	1.4E+03
	Potassium-40	pCi/g	5	19	3.3E+01	3.4E+01	3.6E+01	3.5E+01
	Radium-226	pCi/g	6	16	5.6E-01	1.0E+00	1.4E+00	1.3E+00
	Selenium	mg/kg	27	273	2.2E-01	9.5E-01	5.7E+00	1.3E+00
	Silver	mg/kg	55	273	1.4E+00	2.3E+01	2.7E+02	3.4E+01
	Sodium	mg/kg	103	267	3.3E+01	1.1E+02	8.0E+02	1.3E+02

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Two-Mile Canyon (Part of Pajarito Canyon)	Strontium-90	pCi/g	35	153	1.7E-01	9.8E-01	8.4E+00	1.5E+00
	Thallium	mg/kg	15	273	1.2E-01	2.9E-01	5.5E-01	3.7E-01
	Thallium-208	pCi/g	10	16	2.0E-01	5.0E-01	6.5E-01	5.8E-01
	Thorium-234	pCi/g	1	16	4.1E+00	4.1E+00	4.1E+00	
	Tritium	pCi/g	6	6	2.2E-02	1.2E+01	3.5E+01	2.4E+01
	Uranium	mg/kg	21	22	1.4E+00	4.5E+00	9.3E+00	5.6E+00
	Uranium-234	pCi/g	80	80	3.7E-01	1.1E+00	1.2E+01	1.4E+00
	Uranium-235	pCi/g	76	96	2.0E-02	4.9E-02	4.8E-01	6.0E-02
	Uranium-238	pCi/g	80	80	3.6E-01	1.2E+00	1.2E+01	1.4E+00
	Vanadium	mg/kg	230	273	3.5E+00	2.2E+01	2.3E+02	2.4E+01
	Zinc	mg/kg	269	273	4.9E+00	1.7E+02	1.5E+04	2.8E+02
Walnut Canyon (Part of Pueblo/Acid Canyon)	Aluminum	mg/kg	5	5	1.7E+03	2.0E+03	2.6E+03	2.3E+03
	Americium-241	pCi/g	1	2	4.3E-01	4.3E-01	4.3E-01	
	Arsenic	mg/kg	5	5	1.1E+00	1.3E+00	1.6E+00	1.5E+00
	Barium	mg/kg	5	5	1.7E+01	3.1E+01	5.0E+01	4.4E+01
	Beryllium	mg/kg	2	5	1.9E-01	2.1E-01	2.2E-01	2.4E-01
	Cadmium	mg/kg	2	5	2.0E-01	2.1E-01	2.2E-01	2.3E-01
	Calcium	mg/kg	5	5	6.7E+02	9.9E+02	1.7E+03	1.4E+03
	Cesium-137	pCi/g	5	5	2.5E-01	3.6E-01	5.6E-01	4.8E-01
	Chromium, Total	mg/kg	4	5	3.1E+00	3.6E+00	4.9E+00	4.5E+00
	Cobalt	mg/kg	4	5	2.2E+00	3.0E+00	4.4E+00	3.9E+00
	Copper	mg/kg	2	2	6.7E+00	7.7E+00	8.7E+00	9.7E+00
	Iron	mg/kg	5	5	4.6E+03	6.4E+03	7.6E+03	7.5E+03
	Lead	mg/kg	5	5	2.5E+01	2.7E+01	3.2E+01	3.0E+01
	Magnesium	mg/kg	5	5	3.5E+02	4.5E+02	5.6E+02	5.3E+02
	Manganese	mg/kg	2	2	2.3E+02	3.3E+02	4.3E+02	5.3E+02

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Walnut Canyon (Part of Pueblo/ Acid Canyon) (Cont.)	Mercury	mg/kg	2	5	6.0E-02	1.9E-01	3.2E-01	4.5E-01
	Nickel	mg/kg	2	5	1.0E+00	1.1E+00	1.2E+00	1.3E+00
	Plutonium-238	pCi/g	1	16	1.4E-01	1.4E-01	1.4E-01	
	Plutonium-239	pCi/g	3	3	5.2E+00	6.8E+00	8.4E+00	8.7E+00
	Potassium	mg/kg	2	5	3.7E+02	4.8E+02	5.9E+02	7.0E+02
	Potassium-40	pCi/g	2	2	2.7E+01	2.8E+01	2.9E+01	3.0E+01
	Silver	mg/kg	1	5	6.7E-01	6.7E-01	6.7E-01	
	Sodium	mg/kg	5	5	3.8E+01	8.8E+01	1.4E+02	1.3E+02
	Tritium	pCi/g	2	6	2.2E-02	2.3E-02	2.4E-02	2.5E-02
	Uranium-234	pCi/g	3	3	4.8E-01	6.1E-01	7.4E-01	7.6E-01
	Uranium-238	pCi/g	3	3	5.0E-01	5.1E-01	5.5E-01	5.5E-01
	Vanadium	mg/kg	5	5	5.6E+00	7.8E+00	9.2E+00	9.1E+00
	Zinc	mg/kg	5	5	3.4E+01	4.5E+01	5.8E+01	5.4E+01
Water Canyon	Actinium-228	pCi/g	17	24	5.8E-01	1.6E+00	2.5E+00	1.8E+00
	Aluminum	mg/kg	587	587	9.1E+02	7.9E+03	3.4E+04	8.3E+03
	Americium-241	pCi/g	3	112	2.0E-01	3.3E+00	5.8E+00	6.6E+00
	Antimony	mg/kg	118	587	3.8E-02	1.3E+00	1.4E+01	1.7E+00
	Arsenic	mg/kg	494	587	4.4E-01	2.7E+00	2.1E+01	2.8E+00
	Barium	mg/kg	564	587	2.4E+00	1.2E+03	3.8E+04	1.5E+03
	Beryllium	mg/kg	401	614	1.1E-01	1.7E+00	2.6E+02	3.0E+00
	Bismuth-211	pCi/g	8	18	3.1E-01	2.4E+00	3.9E+00	3.4E+00
	Bismuth-212	pCi/g	3	19	1.0E+00	1.2E+00	1.6E+00	1.6E+00
	Bismuth-214	pCi/g	13	20	1.2E-01	1.4E+00	3.4E+00	1.9E+00
	Cadmium	mg/kg	168	586	1.9E-02	1.0E+00	1.3E+01	1.2E+00
	Cadmium-109	pCi/g	1	10	4.9E+00	4.9E+00	4.9E+00	
	Calcium	mg/kg	556	587	3.1E+02	2.6E+03	3.9E+04	2.9E+03

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Water Canyon (Cont.)	Cesium-137	pCi/g	89	129	5.9E-02	5.2E-01	3.3E+00	6.4E-01
	Chromium, Total	mg/kg	571	587	7.6E-01	9.5E+00	4.1E+02	1.1E+01
	Cobalt	mg/kg	415	587	2.8E-01	5.2E+00	1.1E+02	5.9E+00
	Copper	mg/kg	567	603	9.1E-01	7.1E+01	7.7E+03	1.0E+02
	Cyanide, Total	mg/kg	4	216	8.1E-02	5.4E-01	1.6E+00	1.3E+00
	Europium-152	pCi/g	10	103	1.2E-01	2.1E-01	3.5E-01	2.5E-01
	Iron	mg/kg	586	587	9.2E+00	1.0E+04	1.1E+05	1.1E+04
	Lead	mg/kg	617	623	1.6E+00	3.8E+01	1.7E+03	4.6E+01
	Lead-210	pCi/g	11	27	1.8E+00	3.4E+00	8.6E+00	4.8E+00
	Lead-212	pCi/g	40	43	2.1E-01	1.5E+00	2.3E+00	1.6E+00
	Lead-214	pCi/g	43	47	2.8E-01	1.1E+00	2.4E+00	1.2E+00
	Magnesium	mg/kg	548	587	2.3E+02	1.4E+03	4.8E+03	1.5E+03
	Manganese	mg/kg	587	587	3.4E+01	3.3E+02	1.9E+03	3.4E+02
	Mercury	mg/kg	224	596	5.2E-03	5.2E-01	3.5E+01	8.6E-01
	Neodymium-147	pCi/g	1	1	3.9E+01	3.9E+01	3.9E+01	
	Neptunium-237	pCi/g	2	103	1.1E+00	1.3E+00	1.5E+00	1.7E+00
	Nickel	mg/kg	473	587	7.6E-01	1.4E+01	4.5E+02	1.7E+01
	Plutonium-238	pCi/g	18	33	2.0E-03	3.0E-02	1.0E-01	4.9E-02
	Plutonium-239	pCi/g	20	31	9.0E-03	5.6E-02	1.0E-01	7.3E-02
	Potassium	mg/kg	544	587	2.1E+02	1.3E+03	5.4E+03	1.4E+03
	Potassium-40	pCi/g	41	43	9.8E+00	2.3E+01	3.2E+01	2.4E+01
	Protactinium-231	pCi/g	26	64	2.9E-01	3.6E+00	5.0E+00	4.1E+00
	Protactinium-234	pCi/g	6	53	4.1E-01	6.5E+00	2.3E+01	1.4E+01
	Protactinium-234M	pCi/g	22	70	9.3E+00	3.1E+02	2.5E+03	5.4E+02
	Radium-224	pCi/g	10	23	2.3E+00	4.0E+00	5.1E+00	4.6E+00

TABLE C-9.—Soil Detection Statistics by Watershed and by Analyte (ER Risk Database [LANL 1998]—Inorganics and Radiochemistry)-Continued

WATERSHED	ANALYTE	UNITS	DETECTED	ANALYZED	MINIMUM	MEAN	MAXIMUM	UCL
Water Canyon	Radium-226	pCi/g	41	54	7.5E-01	1.8E+00	1.5E+01	2.4E+00
	Radium-228	pCi/g	1	1	2.0E+00	2.0E+00	2.0E+00	
	Selenium	mg/kg	101	595	7.0E-02	5.5E-01	4.6E+00	6.9E-01
	Silver	mg/kg	96	587	9.7E-02	5.5E+00	1.1E+02	8.6E+00
	Sodium	mg/kg	431	587	3.4E+01	2.8E+02	1.4E+04	3.5E+02
	Sodium-22	pCi/g	2	110	3.1E-02	4.5E-02	6.0E-02	7.4E-02
	Strontium-85	pCi/g	1	10	1.1E-01	1.1E-01	1.1E-01	
	Thallium	mg/kg	96	587	1.4E-01	6.4E-01	1.8E+00	7.4E-01
	Thallium-208	pCi/g	35	39	1.2E-01	5.0E-01	1.3E+00	5.8E-01
	Thorium-227	pCi/g	2	17	2.4E+01	2.7E+01	3.1E+01	3.4E+01
	Thorium-228	pCi/g	25	29	1.5E-01	1.7E+00	9.5E+00	2.6E+00
	Thorium-230	pCi/g	64	70	9.4E-02	1.1E+00	5.4E+00	1.3E+00
	Thorium-231	pCi/g	16	46	2.8E-01	4.5E-01	6.3E-01	5.0E-01
	Thorium-232	pCi/g	24	24	2.0E-01	1.1E+00	1.7E+00	1.3E+00
	Thorium-234	pCi/g	64	92	1.1E+00	7.2E+01	1.9E+03	1.4E+02
	Uranium	mg/kg	119	272	9.7E-01	3.3E+00	1.1E+01	3.7E+00
	Uranium-234	pCi/g	84	89	5.8E-01	2.1E+01	1.7E+03	6.0E+01
	Uranium-235	pCi/g	39	121	4.1E-02	6.2E+00	8.7E+01	1.2E+01
	Uranium-238	pCi/g	65	89	6.7E-01	4.4E+01	1.7E+03	9.7E+01
	Vanadium	mg/kg	547	587	8.9E-01	1.8E+01	1.1E+02	1.9E+01
	Zinc	mg/kg	587	587	9.3E+00	7.2E+01	1.6E+03	8.3E+01

Note: Watersheds are defined in ER Project FIMAD map G105700, July 24, 1997.

Note: The analytical data provided in these tables were obtained from the Facility for Information Management, Analysis, and Display (FIMAD) in August, 1998. The data represent analytical results for surface soil samples collected by the ER Project with a begin depth equal to 0 inches and an end depth less than or equal to 12 inches. The data were obtained from ER Project-approved fixed-site analytical laboratories using standard analytical methods (EPA methods for organics and inorganics; LANL-approved methods for radionuclides). Field measurements, non-standard measurements (e.g. x-ray fluorescence), and measurements for non-chemical specific data (e.g. gross radioactivity) were excluded. Quality assurance/quality control data were also excluded. The ER Project may have removed contaminated soil in voluntary corrective actions subsequent to sampling; therefore, some analytical results may represent contaminants that have been removed since the samples were taken.

REFERENCES

- Environmental Surveillance Report Data See individual entries for LANL Environmental Surveillance Reports (ESRs): LANL 1993 (1991 ESR), LANL 1994 (1992 ESR), LANL 1995 (1993 ESR), LANL 1996a (1994 ESR), LANL 1996b (1995 ESR), LANL 1997 (1996 ESR).
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