

Appendix B

Analytical Results

B.1 Introduction

This appendix contains 1996 and 1997 analytical results for monitoring wells associated with WMA S-SX. Samples collected during this Phase I assessment from the Resource Conservation and Recovery Act (RCRA) monitoring network, as well as for selected older wells, are included. The data listed here, as well as for previous years, are available in the Hanford Environmental Information System (HEIS) data base. The samples were collected and analyzed in accordance with the procedures and quality assurance program described in Hartman and Dresel (1997). Special conditions associated with assessment sample collection during the 1996-1997 time period are described in the following narrative. References cited are included in Section 7.0 of the main text.

B.2 Data Tables

Results are listed separately for radionuclides (Table B.1) and chemical constituents (Table B.2). Limits of detection and limits of quantitation (Table B.3) for the primary constituents of interest are based on analysis of blank samples submitted (for radionuclides) or are based on method detection limit information requested (for chemical constituents) as part of the quality assurance program for the Hanford Site groundwater monitoring program. Methods for calculating these limits are described in Hartman and Dresel (1997).

Column headings (indicated in bold) for Tables B.1 and B.2 are described as follows:

Well: Well name descriptor as used in the Hanford Environmental Information System (HEIS) data base. The RCRA compliant wells are listed first in the tables and are followed by the non-RCRA wells.

Well Standard: Indicates if the well was constructed in accordance with RCRA standards (i.e., 20-ft stainless steel screens with nominally 15 ft in the saturated zone, sandpack around the screened section, bentonite annular seals, surface cement and guards). Non-RCRA wells are of an older design consisting of 6 to 8 inch diameter carbon steel casings that were perforated in the saturated zone and may or may not have annular seals. Attempts were made to seal older wells located near waste sources during the 1975-1985 time period. Because of the construction of these wells, results for certain metal constituents may not be reliable. The older well construction is not expected to impact radionuclides, pH, conductivity or major constituent results.

Constituent: Radioactive and chemical constituent names are spelled out and results are listed chronologically for each constituent.

Date: The date the sample was collected. Multiple entries for the same date are for replicate samples.

Result: Results from the HEIS data base were rounded to no more than three significant figures.

Total Error: The error terms for radionuclide results consist of the 2 sigma counting error and any associated processing error. Counting error is the dominant contributor to the overall error. Error estimates listed for chemical constituents are based on periodic analysis of replicates in the laboratory.

Units: Radionuclide results are in pCi/L except for uranium which is given in µg/L. Results for chemical constituents are in µg/L and mg/L.

Qualifier: Conditional indicators used in the HEIS data base for a result are defined as follows:

U: indicates result is a “non-detect;” the value shown is the vendor assigned method detection limit. These may vary from the values shown in Table B.3 which are derived from periodic analysis of blanks submitted to the vendor as samples.

J: Estimated value

B or L: Analyte concentration below contractual quantitation limit but above method detection limit

C: blank associated with analyte is elevated

D: result is based on analysis of a diluted sample (final result is dilution corrected)

E: exceeded calibration range

Filtered: A “Y” indicates the sample was filtered in the field as the sample bottles were filled. A “N” indicates the sample was not filtered. An unfiltered sample is acidified in the field and may solubilize particle-bound constituents if particulate debris is present in the sample. Generally, samples are not collected until the turbidity is less than 5 NTU (equivalent to about 5 mg/L of particulates). An elevated metal result, especially from a non-RCRA well, may be high as a result of the particle dissolution effect.

B.3 Sampling Procedures

Each RCRA compliant monitoring well is constructed to meet the Washington Administrative Code (WAC 173-160) (e.g., stainless steel casing and screen, sand pack, and full annular seal). Samples are collected after three casing volumes are withdrawn and after indicator parameters (pH, temperature and specific conductance) have stabilized. Indicator parameters are measured in a flow through chamber.

Turbidities must be equal to or below 5 NTU (nephelometric turbidity units; 1 NTU \approx 1 mg/L of solids) prior to sample collection. Non-RCRA wells are sampled with the same protocol except that the type of pump may vary. A bailer was used in a few cases where access is restricted (e.g., inside tank farms).

Samples for metal analysis are filtered but all other analyses are generally for unfiltered samples. Thus all radionuclide results are for unfiltered samples unless otherwise indicated in the data tables. Filtered samples may be used if there is a turbidity problem or to determine the particulate nature of a positive occurrence or anomaly. Filtered samples are obtained at the well head with an in-line membrane filter (0.4 μm).

Sample preservatives are added to the collection bottles in the laboratory prior to their use in the field. Duplicates, travel blanks and field equipment blanks are collected as part of the general quality control program. The sampling and analysis methods and procedures and associated quality control results are described in more detail in Hartman and Dresel (1997).

B.4 Special Conditions:

Sampling conditions that deviated from the standard protocol for the groundwater monitoring program (Hartman and Dresel 1997) are indicated as follows.

Well 299-W23-7. The 6/19/96 and 6/25/96 sample results for this non-RCRA well, located inside the S-SX Tank Farm fenceline and between the S and SX Tank Farms, are for samples collected with a bladder pump. The pump was lowered to about 12 ft below the static water level and pumped at 0.4 L/min. Even with this slow pumping rate, the water level was drawn down to the pump intake within a few hours. The water was highly turbid which was attributed to resuspension of sediments at the bottom of the well during attempts to position the pump at an optimum depth. After the well recovered from the first evacuation, the 6/19/96 samples were collected. The well was allowed to recover again and was resampled on 6/25/96. Both filtered and unfiltered water samples were collected as indicated in the "filtered" column in Tables B.1 and B.2. Turbidity of the samples (100 - 200 NTU) suggest cesium-137 associated with particulate material inside the well was 50 - 100 pCi/g. Spectral gamma log results for the well indicated about 1 pCi/g of cesium-137 suggesting the cesium-137 was associated with fine sediments inside the well.

Sample results listed for other than the above date are for bailed samples.

Well 299-W23-3. This well is located in the southeast corner of the SX Tank Farm and inside the tank farm fence. Samples for 7/10/97 were collected using a submersible pump after removal of three borehole dead volumes. Results for other dates in Tables B.1 and B.2 are for bailed samples.

Well 299-W23-6. This older well, located outside the SX fenceline along the southeast corner, had not been previously sampled, or at least no data were available in the Hanford groundwater data base. The well was cleaned (interior brushed), developed and a submersible pump set at 40 ft below the static

water level. Approximately 20 ft of drawdown occurred during purging and sampling. Because of the deviation in sampling conditions compared to the other wells (sample depth), results from this well should be considered as a qualitative indicator of the presence (or absence) of contaminants. Additional work is needed to remediate this well and to assess contaminant variation with depth.

Wells 299-W23-1 and -W23-2. These wells, located inside the S-SX fenceline, were both sampled with bailers. Attempts are being made to install permanent pumps in the older wells inside the S-SX Tank Farms that can be rehabilitated.

Replicate Analysis Study. Twelve replicate samples were collected on 8/8/96 from well 299-W23-14 to evaluate overall sampling and analysis variability for selected constituents (i.e., gross alpha, gross beta, and tritium).

B.5 Overview of Analytical Results

Results for the primary constituents of interest are discussed by individual constituent as follows. Note that for most chemical constituents units reported are $\mu\text{g}/\text{L}$ or mg/L , however, for discussion purpose ppb and ppm are used, respectively.

B.5.1 Radionuclides

Tritium. Very high concentrations of tritium occur in upgradient wells. This is attributed to the past disposal operations that discharged tritium bearing condensate from self boiling single-shell tanks to upgradient cribs.

Gross alpha and uranium. Except for two apparent outliers, the gross alpha results are near natural background of $2.5 \pm 1.5 \text{ pCi/L}$ (see Johnson 1993, Table A-1-2) or slightly above in a few cases. The outliers (200 pCi/L for the 8/6/97 sample for downgradient well 299-W22-45 and 75.8 pCi/L for the 5/7/97 sample from upgradient well 299-W23-13 appear to be off by 100 fold and 10 fold, respectively, from the previous and following sample results. Therefore, these results are attributed to a decimal point shift in either data entry or the laboratory computation. The mean gross alpha concentration for the most recent four quarters for well 299-W22-46 (well with covarying tank waste indicators) was $2.7 \pm 0.3 \text{ pCi/L}$. Thus natural background can account for all of the gross alpha during the period when the tank waste indicators in this well were at a maximum. Also, it is unlikely that significant concentrations of transuranics (e.g., neptunium-237, a potential mobile constituent of interest in tank waste [DOE 1997]) was present in these samples since gross alpha is almost identical to the natural background for Hanford groundwater upgradient of the 200 Areas. Other slightly elevated gross alpha results can be accounted for by the uranium present. For example, the gross alpha concentration for upgradient well 299-W23-9 was $13 \pm 4 \text{ pCi/L}$ on 5/22/96 as compared to uranium concentration of 21 $\mu\text{g}/\text{L}$ which is equivalent to a total alpha concentration of 14.2 pCi/L ($21 \mu\text{g}/\text{L} * 0.68 \text{ pCi}/\mu\text{g}$ [conversion factor] = 14.2 pCi/L). The conversion factor accounts for the two alpha emissions from uranium-238 and its daughter, uranium-234.

Cesium-137, cobalt-60, and strontium-90. These constituents are not expected to be very mobile in groundwater because of sorption on mineral grain surfaces. Complexing agents could modify this expectation. Thus, samples were analyzed to check for their presence. With few exceptions, these constituents are at or below limits of detection indicated in Table B.3. The notable exception was cesium-137 in well 299-W23-7 located inside the S-SX Tank Farm complex, as previously discussed under “special sampling conditions.” Strontium-90 (at about 1 pCi/L in the most recent samples) may also have been detected in this well. Additional evaluation of this low-level occurrence may be warranted during Phase II assessment period.

Technetium-99. This constituent was detectable in nearly all samples. Low concentrations (<100 pCi/L) are widespread in the vicinity of WMA S-SX because of upgradient sources. The highest concentration during the Phase I assessment occurred in well 299-W22-46 in which technetium-99 reached a maximum of 5,000 pCi/L on 5/8/97. Other downgradient wells were also elevated compared to upgradient wells (e.g., 299-W23-6, -W22-45, W22-39, -W23-1). An upward trend appears to be developing in well 299-W23-1 in the S Tank Farm. This well will be added to the quarterly schedule as soon as a pump can be installed.

Iodine-129. This mobile fission product is expected in tank waste; however, it was not detected in the sample with the highest technetium-99 concentration. Based on ratios of iodine-129 to technetium-99 in tank waste, it could be present but at concentrations below the detection limit.

B.5.2 Chemical Constituents

pH. Elevated pH might be indicative of a tank waste because of the excess sodium hydroxide added to neutralize the waste. The only anomalous pH value (above a pH of 8.5) was 9.3 in well 23-W23-7 located inside the S-SX Tank Farms. Since this occurred for two separate sampling events (one in 1996 and again in August 1997), data entry error or sampling/calibration problems are unlikely explanations. Cement, however, (from the earlier attempts to seal this well) may have come in contact with the perforated zone (which could also explain the extremely slow recovery of the well during pumping). Water in contact with cement can cause the pH to increase above ambient groundwater levels.

Conductivity. Specific conductance or conductivity is a measure of the salt content of the sample. For Hanford groundwater, 1.7 $\mu\text{mho}/\text{cm}$ is equivalent to approximately 1 mg/L of dissolved salt. The values for the RCRA compliant monitoring wells are all generally below the mean natural background value of 344 umhos/cm for groundwater upgradient of Hanford facilities (see Johnson 1993, Table A-1-2). This is attributable to past discharges of large amounts of cooling water (Columbia River water with an average specific conductance of about 140 $\mu\text{mho}/\text{cm}$). The addition of nitrate to this general background from a waste source would increase the low ambient conductivity (approximately 225-260 $\mu\text{mhos}/\text{cm}$ for upgradient RCRA wells 299-W23-13 and 299-W23-14 during the most recent two quarters). The only increase in downgradient conductivity relative to the nearest upgradient well for the 1996-97 period was for well 299-W22-46. This well peaked at 322 $\mu\text{mhos}/\text{cm}$ in May 1997 and appears to be declining after this date. This pattern is consistent with the time series results for other mobile constituents for this well. If large amounts of tank waste were migrating to groundwater in this area,

conductivity should be greatly elevated (as well as other constituents). Even the highest conductivities are within the range of natural levels for the Hanford Site (i.e., natural background upgradient of the 200 Areas).

Aluminum. Large amounts of aluminum are present in tank waste from dissolution of the aluminum alloy cladding used for much of the older nuclear fuel used in the Hanford plutonium production reactors. Anionic species of aluminum can theoretically exist at the high pH of tank waste. Thus, this is another potential mobile tank waste co-contaminant. There does not appear to be any pattern, however, in the aluminum results and most are at or near detection limit. Elevated values occur for the two unfiltered samples for well 299-W23-7 but this result is attributed to acid (preservative) dissolution of aluminosilicate mineral phases resulting from the high turbidities induced during attempts to use a pump in this well.

Nitrate. Large amounts of sodium nitrate are present in tank waste from the addition of excess sodium hydroxide to neutralize the nitric acid in the waste from the nuclear fuel dissolution and plutonium separation process. Because of its high mobility, nitrate should be a good indicator of tank waste. Other upgradient sources of nitrate from past disposal operations, however, contribute to a general background of nitrate in the vicinity of WMA S-SX. The highest concentration (130 ppm) attributable to an upgradient source occurred in well 299-W23-9, located west of the SX Tank Farm. The only consistent pattern observed during the report period was for well 299-W22-46 that showed an increase with a maximum of 52 ppm that occurred in May 1997 and then appeared to decline after this date. This pattern follows the specific conductance discussed previously. Although nitrate by itself is not a definitive tank waste indicator, it can be indicative in those cases where it covaries with other indicators (e.g., chromate and technetium-99).

Chromium. Hexavalent chromium was used in the REDOX process to change oxidation states of the plutonium to facilitate its separation. It is theoretically soluble as an oxyanion even at the high pH of tank waste (up to a pH of 13 - 14). Because of its mobility in the anionic state, it is also a good indicator of S-SX tank farm waste. The only significant pattern of anomalous occurrences for this indicator are in well 299-W22-46 where it appears to be covariant with the nitrate, technetium-99, and conductivity. The maximum concentration (39 ppb) in this well occurred in May 1997, along with other tank waste indicators (conductivity, nitrate, and technetium-99). Values for upgradient wells are at or below the quantitation limit (11 ppb). Also, one elevated value (53 ppb) occurred in an unfiltered sample from 299-W23-7.

Table B.1. Analytical Results for Radionuclides of Interest in WMA S-SX Monitoring Wells

Well	Well Standard	Constituent	Date	Result	Total Error	Unit	Qualifier	Filtered
299-W22-39	RCRA	Gross Alpha	2/8/96	3.0	1.6	pCi/L		N
299-W22-39	RCRA	Gross Alpha	8/12/96	2.1	1.3	pCi/L		N
299-W22-39	RCRA	Gross Alpha	11/12/96	3.3	1.2	pCi/L		N
299-W22-39	RCRA	Gross Alpha	2/4/97	2.7	1.2	pCi/L	J	N
299-W22-39	RCRA	Gross Alpha	5/13/97	1.8	1.0	pCi/L	J	N
299-W22-39	RCRA	Gross Alpha	8/7/97	1.5	0.9	pCi/L	J	N
299-W22-39	RCRA	Gross Alpha	11/11/97	2.3	1.0	pCi/L	J	N
299-W22-39	RCRA	Gross Beta	2/8/96	249.1	20.2	pCi/L		N
299-W22-39	RCRA	Gross Beta	8/12/96	132.6	14.3	pCi/L		N
299-W22-39	RCRA	Gross Beta	11/12/96	120.0	11.9	pCi/L		N
299-W22-39	RCRA	Gross Beta	2/4/97	87.7	9.1	pCi/L		N
299-W22-39	RCRA	Gross Beta	5/13/97	104.0	12.4	pCi/L		N
299-W22-39	RCRA	Gross Beta	8/7/97	40.1	4.9	pCi/L		N
299-W22-39	RCRA	Gross Beta	11/11/97	34.2	4.3	pCi/L		N
299-W22-39	RCRA	Cobalt-60	11/12/96	-1.1	5.6	pCi/L	U	N
299-W22-39	RCRA	Cobalt-60	2/4/97	1.1	3.8	pCi/L	U	N
299-W22-39	RCRA	Cobalt-60	5/13/97	3.0	2.7	pCi/L	U	N
299-W22-39	RCRA	Cobalt-60	8/7/97	-2.1	3.3	pCi/L	UJ	N
299-W22-39	RCRA	Cobalt-60	11/11/97	0.6	3.4	pCi/L	U	N
299-W22-39	RCRA	Cesium-137	11/12/96	3.3	3.9	pCi/L	U	N
299-W22-39	RCRA	Cesium-137	2/4/97	0.1	4.3	pCi/L	U	N
299-W22-39	RCRA	Cesium-137	5/13/97	4.9	3.3	pCi/L	U	N
299-W22-39	RCRA	Cesium-137	8/7/97	-1.4	2.3	pCi/L	UJ	N
299-W22-39	RCRA	Cesium-137	11/11/97	7.8	4.1	pCi/L	U	N
299-W22-39	RCRA	Strontium-90	2/4/97	0.2	0.3	pCi/L	U	N
299-W22-39	RCRA	Strontium-90	5/13/97	0.1	0.2	pCi/L	U	N
299-W22-39	RCRA	Strontium-90	8/7/97	0	0.2	pCi/L	U	N
299-W22-39	RCRA	Strontium-90	11/11/97	-0.1	0.2	pCi/L	U	N
299-W22-39	RCRA	Technetium-99	2/8/96	74	10	pCi/L		N
299-W22-39	RCRA	Technetium-99	8/12/96	620	69	pCi/L		N
299-W22-39	RCRA	Technetium-99	11/12/96	340	41	pCi/L		N
299-W22-39	RCRA	Technetium-99	2/4/97	300	36	pCi/L		N
299-W22-39	RCRA	Technetium-99	5/13/97	180	23	pCi/L		N
299-W22-39	RCRA	Technetium-99	8/7/97	100	25	pCi/L		N
299-W22-39	RCRA	Technetium-99	11/11/97	94	25	pCi/L		N
299-W22-39	RCRA	Tritium	2/8/96	3100	390	pCi/L		N
299-W22-39	RCRA	Tritium	8/12/96	4900	550	pCi/L		N
299-W22-39	RCRA	Tritium	11/12/96	5500	600	pCi/L		N
299-W22-39	RCRA	Tritium	2/4/97	5800	610	pCi/L		N
299-W22-39	RCRA	Tritium	5/13/97	8000	770	pCi/L		N
299-W22-39	RCRA	Tritium	8/7/97	8400	800	pCi/L		N
299-W22-39	RCRA	Tritium	11/11/97	11000	960	pCi/L		N
299-W22-44	RCRA	Gross Alpha	2/13/96	2.6	1.5	pCi/L		N

Table B.1. (contd)

Well	Well Standard	Constituent	Date	Result	Total Error	Unit	Qualifier	Filtered
299-W22-44	RCRA	Gross Alpha	8/12/96	1.8	1.2	pCi/L		N
299-W22-44	RCRA	Gross Alpha	11/12/96	2.0	0.8	pCi/L	J	N
299-W22-44	RCRA	Gross Alpha	2/4/97	2.6	1.1	pCi/L	J	N
299-W22-44	RCRA	Gross Alpha	5/13/97	2.6	1.1	pCi/L	J	N
299-W22-44	RCRA	Gross Alpha	8/7/97	2.7	1.1	pCi/L	J	N
299-W22-44	RCRA	Gross Beta	2/13/96	2.2	2.3	pCi/L	U	N
299-W22-44	RCRA	Gross Beta	8/12/96	4.1	2.5	pCi/L		N
299-W22-44	RCRA	Gross Beta	11/12/96	6.0	1.9	pCi/L		N
299-W22-44	RCRA	Gross Beta	2/4/97	6.4	1.9	pCi/L		N
299-W22-44	RCRA	Gross Beta	5/13/97	6.3	1.7	pCi/L		N
299-W22-44	RCRA	Gross Beta	8/7/97	6.3	1.7	pCi/L		N
299-W22-44	RCRA	Cobalt-60	11/12/96	-6.1	5.8	pCi/L	U	N
299-W22-44	RCRA	Cobalt-60	2/4/97	-4.1	5.4	pCi/L	U	N
299-W22-44	RCRA	Cobalt-60	5/13/97	1.7	4.6	pCi/L	U	N
299-W22-44	RCRA	Cobalt-60	8/7/97	-2.2	2.9	pCi/L	UJ	N
299-W22-44	RCRA	Cesium-137	11/12/96	2.5	4.4	pCi/L	U	N
299-W22-44	RCRA	Cesium-137	2/4/97	0.1	3.6	pCi/L	U	N
299-W22-44	RCRA	Cesium-137	5/13/97	5.0	4.0	pCi/L	U	N
299-W22-44	RCRA	Cesium-137	8/7/97	2.2	1.6	pCi/L	J	N
299-W22-44	RCRA	Strontium-90	2/4/97	0	0.2	pCi/L	U	N
299-W22-44	RCRA	Strontium-90	5/13/97	0.1	0.2	pCi/L	U	N
299-W22-44	RCRA	Strontium-90	8/7/97	0.1	0.2	pCi/L	U	N
299-W22-44	RCRA	Technetium-99	2/13/96	2.6	2.5	pCi/L		N
299-W22-44	RCRA	Technetium-99	8/12/96	2.6	2.5	pCi/L		N
299-W22-44	RCRA	Technetium-99	11/12/96	5.6	5.0	pCi/L	J	N
299-W22-44	RCRA	Technetium-99	2/4/97	3.0	4.6	pCi/L	U	N
299-W22-44	RCRA	Technetium-99	5/13/97	6.6	4.8	pCi/L	J	N
299-W22-44	RCRA	Technetium-99	8/7/97	-0.6	15.9	pCi/L	U	N
299-W22-44	RCRA	Tritium	2/13/96	-82	200	pCi/L	U	N
299-W22-44	RCRA	Tritium	8/12/96	53	210	pCi/L		N
299-W22-44	RCRA	Tritium	11/12/96	61	220	pCi/L	U	N
299-W22-44	RCRA	Tritium	2/4/97	-100	200	pCi/L	U	N
299-W22-44	RCRA	Tritium	5/13/97	220	220	pCi/L	U	N
299-W22-44	RCRA	Tritium	8/7/97	230	220	pCi/L	U	N
299-W22-45	RCRA	Gross Alpha	2/13/96	4.5	2.1	pCi/L		N
299-W22-45	RCRA	Gross Alpha	8/14/96	2.8	1.5	pCi/L		N
299-W22-45	RCRA	Gross Alpha	11/12/96	3.6	1.3	pCi/L		N
299-W22-45	RCRA	Gross Alpha	2/4/97	3.3	1.3	pCi/L		N
299-W22-45	RCRA	Gross Alpha	5/20/97	3.2	1.2	pCi/L		N
299-W22-45	RCRA	Gross Alpha	8/6/97	200 ^(a)	33	pCi/L		N
299-W22-45	RCRA	Gross Alpha	11/11/97	2.9	1.2	pCi/L	J	N
299-W22-45	RCRA	Gross Beta	2/13/96	8.4	2.9	pCi/L		N
299-W22-45	RCRA	Gross Beta	8/14/96	11	3	pCi/L		N

Table B.1. (contd)

Well	Well Standard	Constituent	Date	Result	Total Error	Unit	Qualifier	Filtered
299-W22-45	RCRA	Gross Beta	11/12/96	13	3	pCi/L		N
299-W22-45	RCRA	Gross Beta	2/4/97	31	4	pCi/L		N
299-W22-45	RCRA	Gross Beta	5/20/97	79	10	pCi/L		N
299-W22-45	RCRA	Gross Beta	8/6/97	65	7	pCi/L		N
299-W22-45	RCRA	Gross Beta	11/11/97	83	9	pCi/L		N
299-W22-45	RCRA	Cobalt-60	11/12/96	-2.1	4.0	pCi/L	U	N
299-W22-45	RCRA	Cobalt-60	2/4/97	3.4	4.1	pCi/L	U	N
299-W22-45	RCRA	Cobalt-60	5/20/97	0.2	4.4	pCi/L	U	N
299-W22-45	RCRA	Cobalt-60	8/6/97	-0.4	2.2	pCi/L	UJ	N
299-W22-45	RCRA	Cobalt-60	11/11/97	-1.0	4.4	pCi/L	U	N
299-W22-45	RCRA	Cesium-137	11/12/96	-0.1	4.4	pCi/L	U	N
299-W22-45	RCRA	Cesium-137	2/4/97	5.4	3.7	pCi/L	U	N
299-W22-45	RCRA	Cesium-137	5/20/97	-3.9	4.6	pCi/L	U	N
299-W22-45	RCRA	Cesium-137	8/6/97	1.0	2.5	pCi/L	UJ	N
299-W22-45	RCRA	Cesium-137	11/11/97	2.8	3.8	pCi/L	U	N
299-W22-45	RCRA	Strontium-90	2/4/97	0.2	0.3	pCi/L	U	N
299-W22-45	RCRA	Strontium-90	5/20/97	0.3	0.3	pCi/L	U	N
299-W22-45	RCRA	Strontium-90	8/6/97	0.3	0.2	pCi/L	U	N
299-W22-45	RCRA	Strontium-90	11/11/97	0	0.2	pCi/L	U	N
299-W22-45	RCRA	Technetium-99	2/13/96	15	4	pCi/L		N
299-W22-45	RCRA	Technetium-99	8/14/96	3	2	pCi/L		N
299-W22-45	RCRA	Technetium-99	11/12/96	48	9	pCi/L		N
299-W22-45	RCRA	Technetium-99	2/4/97	80	12	pCi/L		N
299-W22-45	RCRA	Technetium-99	5/20/97	140	19	pCi/L		N
299-W22-45	RCRA	Technetium-99	8/6/97	210	36	pCi/L		N
299-W22-45	RCRA	Technetium-99	11/11/97	260	41	pCi/L		N
299-W22-45	RCRA	Tritium	2/13/96	900	270	pCi/L		N
299-W22-45	RCRA	Tritium	8/14/96	780	260	pCi/L		N
299-W22-45	RCRA	Tritium	11/12/96	860	270	pCi/L		N
299-W22-45	RCRA	Tritium	2/4/97	1200	290	pCi/L		N
299-W22-45	RCRA	Tritium	5/20/97	1500	300	pCi/L		N
299-W22-45	RCRA	Tritium	8/6/97	2000	350	pCi/L		N
299-W22-45	RCRA	Tritium	11/11/97	3800	460	pCi/L		N
299-W22-46	RCRA	Gross Alpha	2/8/96	5.8	2.5	pCi/L		N
299-W22-46	RCRA	Gross Alpha	8/12/96	0.5	0.8	pCi/L		N
299-W22-46	RCRA	Gross Alpha	11/11/96	1.6	0.8	pCi/L	J	N
299-W22-46	RCRA	Gross Alpha	2/4/97	2.4	1.1	pCi/L	J	N
299-W22-46	RCRA	Gross Alpha	5/8/97	2.3	1.8	pCi/L	U	N
299-W22-46	RCRA	Gross Alpha	5/8/97	2.7	1.2	pCi/L	J	N
299-W22-46	RCRA	Gross Alpha	8/7/97	3.0	2.0	pCi/L		N
299-W22-46	RCRA	Gross Alpha	11/11/97	2.9	1.2	pCi/L	J	N
299-W22-46	RCRA	Gross Beta	2/8/96	85	9	pCi/L		N
299-W22-46	RCRA	Gross Beta	8/12/96	67	9	pCi/L		N

Table B.1. (contd)

Well	Well Standard	Constituent	Date	Result	Total Error	Unit	Qualifier	Filtered
299-W22-46	RCRA	Gross Beta	11/11/96	940	84	pCi/L		N
299-W22-46	RCRA	Gross Beta	2/4/97	1200	110	pCi/L		N
299-W22-46	RCRA	Gross Beta	5/8/97	2300	210	pCi/L		N
299-W22-46	RCRA	Gross Beta	5/8/97	1100	100	pCi/L		N
299-W22-46	RCRA	Gross Beta	8/7/97	1800	150	pCi/L		N
299-W22-46	RCRA	Gross Beta	11/11/97	1200	110	pCi/L		N
299-W22-46	RCRA	Cobalt-60	2/26/96	0.7	0.7	pCi/L		N
299-W22-46	RCRA	Cobalt-60	11/11/96	0.8	3.3	pCi/L	U	N
299-W22-46	RCRA	Cobalt-60	2/4/97	4.1	5.2	pCi/L	U	N
299-W22-46	RCRA	Cobalt-60	5/8/97	0.3	5.4	pCi/L	U	N
299-W22-46	RCRA	Cobalt-60	5/8/97	-1.7	3.5	pCi/L	UJ	N
299-W22-46	RCRA	Cobalt-60	8/7/97	1.6	2.6	pCi/L	UJ	N
299-W22-46	RCRA	Cobalt-60	11/11/97	2.4	5.1	pCi/L	U	N
299-W22-46	RCRA	Cesium-137	2/26/96	0.6	0.9	pCi/L	U	N
299-W22-46	RCRA	Cesium-137	11/11/96	-4.1	5.4	pCi/L	U	N
299-W22-46	RCRA	Cesium-137	2/4/97	-0.3	5.3	pCi/L	U	N
299-W22-46	RCRA	Cesium-137	5/8/97	-0.8	4.9	pCi/L	U	N
299-W22-46	RCRA	Cesium-137	5/8/97	3.2	2.5	pCi/L	J	N
299-W22-46	RCRA	Cesium-137	8/7/97	-0.7	2.4	pCi/L	UJ	N
299-W22-46	RCRA	Cesium-137	11/11/97	-0.7	5.2	pCi/L	U	N
299-W22-46	RCRA	Iodine-129	2/26/96	0.27	0.27	pCi/L		N
299-W22-46	RCRA	Iodine-129	5/8/97	0.47	0.42	pCi/L	U	N
299-W22-46	RCRA	Strontium-90	2/4/97	0.08	0.24	pCi/L	U	N
299-W22-46	RCRA	Strontium-90	5/8/97	0.20	0.22	pCi/L	U	N
299-W22-46	RCRA	Strontium-90	5/8/97	-0.05	0.18	pCi/L	U	N
299-W22-46	RCRA	Strontium-90	8/7/97	0.02	0.19	pCi/L	U	N
299-W22-46	RCRA	Strontium-90	11/11/97	0.02	0.20	pCi/L	U	N
299-W22-46	RCRA	Technetium-99	2/8/96	290	33	pCi/L		N
299-W22-46	RCRA	Technetium-99	8/12/96	340	39	pCi/L		N
299-W22-46	RCRA	Technetium-99	11/11/96	2800	310	pCi/L		N
299-W22-46	RCRA	Technetium-99	2/4/97	3400	370	pCi/L		N
299-W22-46	RCRA	Technetium-99	5/8/97	5000	560	pCi/L		N
299-W22-46	RCRA	Technetium-99	5/8/97	4300	470	pCi/L		N
299-W22-46	RCRA	Technetium-99	8/7/97	4000	450	pCi/L		N
299-W22-46	RCRA	Technetium-99	11/11/97	3600	400	pCi/L		N
299-W22-46	RCRA	Tritium	2/8/96	6410	631	pCi/L		N
299-W22-46	RCRA	Tritium	8/12/96	14400	1240	pCi/L		N
299-W22-46	RCRA	Tritium	11/11/96	51300	3910	pCi/L		N
299-W22-46	RCRA	Tritium	2/4/97	55100	4190	pCi/L		N
299-W22-46	RCRA	Tritium	5/8/97	65200	4940	pCi/L		N
299-W22-46	RCRA	Tritium	5/23/97	64400	4880	pCi/L		N
299-W22-46	RCRA	Tritium	8/7/97	64700	4900	pCi/L		N
299-W22-46	RCRA	Tritium	11/11/97	60700	4600	pCi/L		N

Table B.1. (contd)

Well	Well Standard	Constituent	Date	Result	Total Error	Unit	Qualifier	Filtered
299-W22-46	RCRA	Uranium	2/26/96	3.6	2.3	ug/L		N
299-W22-46	RCRA	Uranium	5/8/97	4.6	1.0	ug/L		N
299-W23-13	RCRA	Gross Alpha	2/7/96	8.4	2.8	pCi/L		N
299-W23-13	RCRA	Gross Alpha	8/8/96	9.1	2.9	pCi/L		N
299-W23-13	RCRA	Gross Alpha	11/7/96	6.5	1.8	pCi/L		N
299-W23-13	RCRA	Gross Alpha	2/6/97	7.2	1.6	pCi/L		N
299-W23-13	RCRA	Gross Alpha	5/7/97	75.8 ^(a)	12.5	pCi/L		N
299-W23-13	RCRA	Gross Alpha	8/7/97	7.7	2.1	pCi/L		N
299-W23-13	RCRA	Gross Alpha	11/11/97	10.9	2.6	pCi/L		N
299-W23-13	RCRA	Gross Beta	2/7/96	6	3	pCi/L		N
299-W23-13	RCRA	Gross Beta	8/8/96	10	3	pCi/L		N
299-W23-13	RCRA	Gross Beta	11/7/96	5	2	pCi/L		N
299-W23-13	RCRA	Gross Beta	2/6/97	11	2	pCi/L		N
299-W23-13	RCRA	Gross Beta	5/7/97	11	2	pCi/L		N
299-W23-13	RCRA	Gross Beta	8/7/97	14	3	pCi/L		N
299-W23-13	RCRA	Gross Beta	11/11/97	9	2	pCi/L		N
299-W23-13	RCRA	Cobalt-60	11/7/96	1.9	4.0	pCi/L	U	N
299-W23-13	RCRA	Cobalt-60	2/6/97	6.6	4.0	pCi/L	U	N
299-W23-13	RCRA	Cobalt-60	5/7/97	4.7	3.4	pCi/L	U	N
299-W23-13	RCRA	Cobalt-60	8/7/97	2.3	2.2	pCi/L	J	N
299-W23-13	RCRA	Cobalt-60	11/11/97	-1.5	5.7	pCi/L	U	N
299-W23-13	RCRA	Cesium-137	11/7/96	-1.2	4.8	pCi/L	U	N
299-W23-13	RCRA	Cesium-137	2/6/97	-1.6	4.8	pCi/L	U	N
299-W23-13	RCRA	Cesium-137	5/7/97	3.7	3.6	pCi/L	U	N
299-W23-13	RCRA	Cesium-137	8/7/97	3.4	2.2	pCi/L	J	N
299-W23-13	RCRA	Cesium-137	11/11/97	5.2	3.4	pCi/L	U	N
299-W23-13	RCRA	Strontium-90	2/6/97	0.46	0.31	pCi/L	J	N
299-W23-13	RCRA	Strontium-90	5/7/97	0.10	0.25	pCi/L	U	N
299-W23-13	RCRA	Strontium-90	8/7/97	0.10	0.20	pCi/L	U	N
299-W23-13	RCRA	Strontium-90	11/11/97	0.09	0.21	pCi/L	U	N
299-W23-13	RCRA	Technetium-99	2/7/96	1.7	2.4	pCi/L	U	N
299-W23-13	RCRA	Technetium-99	8/8/96	0.2	2.2	pCi/L		N
299-W23-13	RCRA	Technetium-99	11/7/96	0.8	4.6	pCi/L	U	N
299-W23-13	RCRA	Technetium-99	2/6/97	1.3	4.6	pCi/L	U	N
299-W23-13	RCRA	Technetium-99	5/7/97	1.9	4.5	pCi/L	U	N
299-W23-13	RCRA	Technetium-99	8/7/97	0.3	16.0	pCi/L	U	N
299-W23-13	RCRA	Technetium-99	11/11/97	0.8	16.5	pCi/L	U	N
299-W23-13	RCRA	Tritium	2/7/96	150	200	pCi/L	U	N
299-W23-13	RCRA	Tritium	8/8/96	160	230	pCi/L		N
299-W23-13	RCRA	Tritium	11/7/96	-81	220	pCi/L	U	N
299-W23-13	RCRA	Tritium	2/6/97	160	220	pCi/L	U	N
299-W23-13	RCRA	Tritium	5/7/97	180	220	pCi/L	U	N
299-W23-13	RCRA	Tritium	8/7/97	220	220	pCi/L	U	N

Table B.1. (contd)

Well	Well Standard	Constituent	Date	Result	Total Error	Unit	Qualifier	Filtered
299-W23-13	RCRA	Tritium	11/11/97	140	200	pCi/L	U	N
299-W23-14	RCRA	Gross Alpha	2/7/96	8.2	3.0	pCi/L		N
299-W23-14	RCRA	Gross Alpha	8/8/96	6.6		pCi/L		N
299-W23-14	RCRA	Gross Alpha	8/8/96	9.7		pCi/L		N
299-W23-14	RCRA	Gross Alpha	8/8/96	8.6		pCi/L		N
299-W23-14	RCRA	Gross Alpha	8/8/96	10.2	2.8	pCi/L		N
299-W23-14	RCRA	Gross Alpha	8/8/96	7.3	2.5	pCi/L		N
299-W23-14	RCRA	Gross Alpha	8/8/96	7.4	2.5	pCi/L		N
299-W23-14	RCRA	Gross Alpha	8/8/96	7.6	2.6	pCi/L		N
299-W23-14	RCRA	Gross Alpha	8/8/96	4.6	1.9	pCi/L		N
299-W23-14	RCRA	Gross Alpha	8/8/96	4.8	2.0	pCi/L		N
299-W23-14	RCRA	Gross Alpha	8/8/96	7.5	2.5	pCi/L		N
299-W23-14	RCRA	Gross Alpha	8/8/96	5.7	2.2	pCi/L		N
299-W23-14	RCRA	Gross Alpha	8/8/96	7.6		pCi/L		N
299-W23-14	RCRA	Gross Alpha	11/7/96	7.6	2.0	pCi/L		N
299-W23-14	RCRA	Gross Alpha	2/4/97	8.3	2.2	pCi/L		N
299-W23-14	RCRA	Gross Alpha	5/8/97	7.3	1.6	pCi/L		N
299-W23-14	RCRA	Gross Alpha	8/7/97	7.7	2.1	pCi/L		N
299-W23-14	RCRA	Gross Alpha	11/11/97	7.9	2.1	pCi/L		N
299-W23-14	RCRA	Gross Beta	2/7/96	15	3	pCi/L		N
299-W23-14	RCRA	Gross Beta	8/8/96	33		pCi/L		N
299-W23-14	RCRA	Gross Beta	8/8/96	32		pCi/L		N
299-W23-14	RCRA	Gross Beta	8/8/96	36		pCi/L		N
299-W23-14	RCRA	Gross Beta	8/8/96	48	4	pCi/L		N
299-W23-14	RCRA	Gross Beta	8/8/96	45	4	pCi/L		N
299-W23-14	RCRA	Gross Beta	8/8/96	45	4	pCi/L		N
299-W23-14	RCRA	Gross Beta	8/8/96	47	4	pCi/L		N
299-W23-14	RCRA	Gross Beta	8/8/96	23	4	pCi/L		N
299-W23-14	RCRA	Gross Beta	8/8/96	23	4	pCi/L		N
299-W23-14	RCRA	Gross Beta	8/8/96	22	4	pCi/L		N
299-W23-14	RCRA	Gross Beta	8/8/96	20	4	pCi/L		N
299-W23-14	RCRA	Gross Beta	8/8/96	34		pCi/L		N
299-W23-14	RCRA	Gross Beta	11/7/96	22	3	pCi/L		N
299-W23-14	RCRA	Gross Beta	2/4/97	15	3	pCi/L		N
299-W23-14	RCRA	Gross Beta	5/8/97	43	6	pCi/L		N
299-W23-14	RCRA	Gross Beta	8/7/97	20	3	pCi/L		N
299-W23-14	RCRA	Gross Beta	11/11/97	16	3	pCi/L		N
299-W23-14	RCRA	Cobalt-60	11/7/96	-2.3	4.9	pCi/L	U	N
299-W23-14	RCRA	Cobalt-60	2/4/97	-1.4	4.5	pCi/L	U	N
299-W23-14	RCRA	Cobalt-60	5/8/97	2.7	3.6	pCi/L	U	N
299-W23-14	RCRA	Cobalt-60	8/7/97	0	1.9	pCi/L	UJ	N
299-W23-14	RCRA	Cobalt-60	11/11/97	2.7	4.0	pCi/L	U	N
299-W23-14	RCRA	Cesium-137	11/7/96	-0.6	4.0	pCi/L	U	N

Table B.1. (contd)

Well	Well Standard	Constituent	Date	Result	Total Error	Unit	Qualifier	Filtered
299-W23-14	RCRA	Cesium-137	2/4/97	1.6	4.5	pCi/L	U	N
299-W23-14	RCRA	Cesium-137	5/8/97	1.8	3.5	pCi/L	U	N
299-W23-14	RCRA	Cesium-137	8/7/97	-0.7	2.4	pCi/L	UJ	N
299-W23-14	RCRA	Cesium-137	11/11/97	2.1	3.9	pCi/L	U	N
299-W23-14	RCRA	Strontium-90	2/4/97	0.31	0.31	pCi/L	U	N
299-W23-14	RCRA	Strontium-90	5/8/97	0.09	0.21	pCi/L	U	N
299-W23-14	RCRA	Strontium-90	8/7/97	0.15	0.21	pCi/L	U	N
299-W23-14	RCRA	Strontium-90	11/11/97	0.08	0.18	pCi/L	U	N
299-W23-14	RCRA	Technetium-99	2/7/96	27	5	pCi/L		N
299-W23-14	RCRA	Technetium-99	8/8/96	16	4	pCi/L		N
299-W23-14	RCRA	Technetium-99	11/7/96	51	9	pCi/L		N
299-W23-14	RCRA	Technetium-99	2/4/97	31	7	pCi/L		N
299-W23-14	RCRA	Technetium-99	5/8/97	179	23	pCi/L		N
299-W23-14	RCRA	Technetium-99	8/7/97	97	25	pCi/L		N
299-W23-14	RCRA	Technetium-99	11/11/97	25	18	pCi/L		N
299-W23-14	RCRA	Tritium	2/7/96	135000	9980	pCi/L		N
299-W23-14	RCRA	Tritium	8/8/96	230000		pCi/L		N
299-W23-14	RCRA	Tritium	8/8/96	230000		pCi/L		N
299-W23-14	RCRA	Tritium	8/8/96	220000		pCi/L		N
299-W23-14	RCRA	Tritium	8/8/96	243000	12400	pCi/L		N
299-W23-14	RCRA	Tritium	8/8/96	241000	12300	pCi/L		N
299-W23-14	RCRA	Tritium	8/8/96	243000	12500	pCi/L		N
299-W23-14	RCRA	Tritium	8/8/96	244000	12500	pCi/L		N
299-W23-14	RCRA	Tritium	8/8/96	256000	18800	pCi/L		N
299-W23-14	RCRA	Tritium	8/8/96	256000	18900	pCi/L		N
299-W23-14	RCRA	Tritium	8/8/96	254000	18700	pCi/L		N
299-W23-14	RCRA	Tritium	8/8/96	254000	18700	pCi/L		N
299-W23-14	RCRA	Tritium	8/8/96	230000		pCi/L		N
299-W23-14	RCRA	Tritium	11/7/96	276000	20300	pCi/L		N
299-W23-14	RCRA	Tritium	2/4/97	213000	15700	pCi/L		N
299-W23-14	RCRA	Tritium	5/8/97	177000	13000	pCi/L		N
299-W23-14	RCRA	Tritium	8/7/97	202000	14900	pCi/L		N
299-W23-14	RCRA	Tritium	11/11/97	263000	19300	pCi/L		N
299-W23-15	RCRA	Gross Alpha	2/8/96	8.0	3.0	pCi/L		N
299-W23-15	RCRA	Gross Alpha	8/12/96	3.9	1.8	pCi/L		N
299-W23-15	RCRA	Gross Alpha	11/11/96	3.0	1.1	pCi/L		N
299-W23-15	RCRA	Gross Alpha	2/4/97	6.2	1.8	pCi/L		N
299-W23-15	RCRA	Gross Alpha	5/8/97	2.8	0.8	pCi/L	J	N
299-W23-15	RCRA	Gross Alpha	8/7/97	5.3	1.7	pCi/L		N
299-W23-15	RCRA	Gross Alpha	11/11/97	7.5	2.0	pCi/L		N
299-W23-15	RCRA	Gross Alpha	11/11/97	8.3	2.2	pCi/L		N
299-W23-15	RCRA	Gross Beta	2/8/96	26	4.4	pCi/L		N
299-W23-15	RCRA	Gross Beta	8/12/96	37	5.7	pCi/L		N

Table B.1. (contd)

Well	Well Standard	Constituent	Date	Result	Total Error	Unit	Qualifier	Filtered
299-W23-15	RCRA	Gross Beta	11/11/96	20	3.1	pCi/L		N
299-W23-15	RCRA	Gross Beta	2/4/97	17	2.9	pCi/L		N
299-W23-15	RCRA	Gross Beta	5/8/97	21	3.2	pCi/L		N
299-W23-15	RCRA	Gross Beta	8/7/97	15	2.7	pCi/L		N
299-W23-15	RCRA	Gross Beta	11/11/97	15	2.5	pCi/L		N
299-W23-15	RCRA	Gross Beta	11/11/97	13	2.3	pCi/L		N
299-W23-15	RCRA	Cobalt-60	11/11/96	1.9	3.9	pCi/L	U	N
299-W23-15	RCRA	Cobalt-60	2/4/97	-0.9	5.6	pCi/L	U	N
299-W23-15	RCRA	Cobalt-60	5/8/97	0.9	4.8	pCi/L	U	N
299-W23-15	RCRA	Cobalt-60	8/7/97	1.3	2.6	pCi/L	UJ	N
299-W23-15	RCRA	Cobalt-60	11/11/97	1.5	6.2	pCi/L	U	N
299-W23-15	RCRA	Cobalt-60	11/11/97	0.7	4.5	pCi/L	U	N
299-W23-15	RCRA	Cesium-137	11/11/96	0.4	4.7	pCi/L	U	N
299-W23-15	RCRA	Cesium-137	2/4/97	2.1	3.7	pCi/L	U	N
299-W23-15	RCRA	Cesium-137	5/8/97	-3.5	4.7	pCi/L	U	N
299-W23-15	RCRA	Cesium-137	8/7/97	-1.6	2.1	pCi/L	UJ	N
299-W23-15	RCRA	Cesium-137	11/11/97	4.4	4.2	pCi/L	U	N
299-W23-15	RCRA	Cesium-137	11/11/97	0.6	4.7	pCi/L	U	N
299-W23-15	RCRA	Strontium-90	2/4/97	0	0.27	pCi/L	U	N
299-W23-15	RCRA	Strontium-90	5/8/97	-0.04	0.19	pCi/L	U	N
299-W23-15	RCRA	Strontium-90	8/7/97	0.04	0.18	pCi/L	U	N
299-W23-15	RCRA	Strontium-90	11/11/97	0.08	0.20	pCi/L	U	N
299-W23-15	RCRA	Strontium-90	11/11/97	0.08	0.22	pCi/L	U	N
299-W23-15	RCRA	Technetium-99	2/8/96	87	11	pCi/L		N
299-W23-15	RCRA	Technetium-99	8/12/96	50	7	pCi/L		N
299-W23-15	RCRA	Technetium-99	11/11/96	33	7	pCi/L		N
299-W23-15	RCRA	Technetium-99	2/4/97	37	8	pCi/L		N
299-W23-15	RCRA	Technetium-99	5/8/97	20	6	pCi/L		N
299-W23-15	RCRA	Technetium-99	8/7/97	20	18	pCi/L		N
299-W23-15	RCRA	Technetium-99	11/11/97	20	18	pCi/L		N
299-W23-15	RCRA	Technetium-99	11/11/97	20	18	pCi/L		N
299-W23-15	RCRA	Tritium	2/8/96	22200	1780	pCi/L		N
299-W23-15	RCRA	Tritium	8/12/96	26800	2140	pCi/L		N
299-W23-15	RCRA	Tritium	11/11/96	27200	2150	pCi/L		N
299-W23-15	RCRA	Tritium	2/4/97	26600	2120	pCi/L		N
299-W23-15	RCRA	Tritium	5/8/97	28000	2230	pCi/L		N
299-W23-15	RCRA	Tritium	8/7/97	26700	2130	pCi/L		N
299-W23-15	RCRA	Tritium	11/11/97	24700	1980	pCi/L		N
299-W23-15	RCRA	Tritium	11/11/97	24200	1940	pCi/L		N
299-W23-15	RCRA	Uranium	2/27/96	14	5.4	ug/L		N
299-W23-15	RCRA	Uranium	5/8/97	14	2.0	ug/L		N
299-W23-1	Non-RCRA	Gross Beta	3/11/96	52*	6	pCi/L		N
299-W23-1	Non-RCRA	Gross Beta	8/28/97	330*	37	pCi/L		N

Table B.1. (contd)

Well	Well Standard	Constituent	Date	Result	Total Error	Unit	Qualifier	Filtered
299-W23-1	Non-RCRA	Gross Beta	8/28/97	350*	37	pCi/L		N
299-W23-1	Non-RCRA	Cobalt-60	3/11/96	-1.0*	1.0	pCi/L	U	N
299-W23-1	Non-RCRA	Cobalt-60	8/28/97	0.0*	1.5	pCi/L	UJ	N
299-W23-1	Non-RCRA	Cobalt-60	8/28/97	1.5*	2.3	pCi/L	UJ	N
299-W23-1	Non-RCRA	Cesium-137	3/11/96	2.0*	1.0	pCi/L		N
299-W23-1	Non-RCRA	Cesium-137	8/28/97	-0.2*	2.1	pCi/L	UJ	N
299-W23-1	Non-RCRA	Cesium-137	8/28/97	0.7*	2.4	pCi/L	UJ	N
299-W23-1	Non-RCRA	Technetium-99	3/11/96	180*	21	pCi/L		N
299-W23-1	Non-RCRA	Technetium-99	8/28/97	1500*	170	pCi/L		N
299-W23-1	Non-RCRA	Technetium-99	8/28/97	1200*	140	pCi/L		N
299-W23-1	Non-RCRA	Tritium	3/11/96	-37*	200	pCi/L		N
299-W23-1	Non-RCRA	Tritium	8/28/97	2500*	400	pCi/L		N
299-W23-1	Non-RCRA	Tritium	8/28/97	2600*	410	pCi/L		N
299-W23-2	Non-RCRA	Gross Beta	3/11/96	91*	9	pCi/L		N
299-W23-2	Non-RCRA	Gross Beta	8/27/97	43*	5	pCi/L		N
299-W23-2	Non-RCRA	Cobalt-60	3/11/96	-0.2*	1.6	pCi/L	U	N
299-W23-2	Non-RCRA	Cobalt-60	8/27/97	1.0*	2.5	pCi/L	UJ	N
299-W23-2	Non-RCRA	Cesium-137	3/11/96	1.5*	1.3	pCi/L		N
299-W23-2	Non-RCRA	Cesium-137	8/27/97	1.6*	2.5	pCi/L	UJ	N
299-W23-2	Non-RCRA	Strontium-90	3/11/96	0.16*	0.29	pCi/L		N
299-W23-2	Non-RCRA	Strontium-90	8/27/97	0.25*	0.26	pCi/L	U	N
299-W23-2	Non-RCRA	Technetium-99	3/11/96	290*	33	pCi/L		N
299-W23-2	Non-RCRA	Technetium-99	8/27/97	110*	26	pCi/L		N
299-W23-2	Non-RCRA	Tritium	3/11/96	1300*	300	pCi/L		N
299-W23-2	Non-RCRA	Tritium	8/27/97	4500*	520	pCi/L		N
299-W23-3	Non-RCRA	Gross Beta	3/11/96	63*	7.2	pCi/L		N
299-W23-3	Non-RCRA	Cobalt-60	3/11/96	1.2*	1.5	pCi/L	U	N
299-W23-3	Non-RCRA	Cesium-137	3/11/96	2.6*	2.0	pCi/L		N
299-W23-3	Non-RCRA	Technetium-99	3/11/96	190*	22	pCi/L		N
299-W23-3	Non-RCRA	Technetium-99	7/30/97	63	21	pCi/L		N
299-W23-3	Non-RCRA	Tritium	3/11/96	18700*	1550	pCi/L		N
299-W23-3	Non-RCRA	Uranium	3/11/96	7.3*	2.3	ug/L		N
299-W23-6	Non-RCRA	Gross Alpha	7/10/97	2.5	1.4	pCi/L	J	N
299-W23-6	Non-RCRA	Gross Beta	7/10/97	1400	140	pCi/L		N
299-W23-6	Non-RCRA	Technetium-99	7/10/97	2100	240	pCi/L		N
299-W23-6	Non-RCRA	Tritium	7/10/97	52500	4000	pCi/L		N
299-W23-7	Non-RCRA	Gross Alpha	6/18/96	0.2	0.6	pCi/L	U	N
299-W23-7	Non-RCRA	Gross Alpha	6/25/96	4.2	2.0	pCi/L		N
299-W23-7	Non-RCRA	Gross Alpha	6/25/96	5.9	2.4	pCi/L		N
299-W23-7	Non-RCRA	Gross Alpha	6/25/96	2.1	1.4	pCi/L		N
299-W23-7	Non-RCRA	Gross Beta	3/11/96	420*	34	pCi/L		N
299-W23-7	Non-RCRA	Gross Beta	6/18/96	20	4	pCi/L		N
299-W23-7	Non-RCRA	Gross Beta	6/19/96	86	10	pCi/L		N

Table B.1. (contd)

Well	Well Standard	Constituent	Date	Result	Total Error	Unit	Qualifier	Filtered
299-W23-7	Non-RCRA	Gross Beta	6/19/96	71	9	pCi/L		N
299-W23-7	Non-RCRA	Gross Beta	6/19/96	67	9	pCi/L		N
299-W23-7	Non-RCRA	Gross Beta	6/25/96	150	16	pCi/L		N
299-W23-7	Non-RCRA	Gross Beta	6/25/96	180	18	pCi/L		N
299-W23-7	Non-RCRA	Gross Beta	6/25/96	150	16	pCi/L		N
299-W23-7	Non-RCRA	Gross Beta	6/25/96	180	18	pCi/L		N
299-W23-7	Non-RCRA	Gross Beta	6/25/96	180	18	pCi/L		N
299-W23-7	Non-RCRA	Gross Beta	6/25/96	180	18	pCi/L		N
299-W23-7	Non-RCRA	Gross Beta	6/25/96	180	19	pCi/L		N
299-W23-7	Non-RCRA	Gross Beta	6/25/96	160	17	pCi/L		N
299-W23-7	Non-RCRA	Gross Beta	8/27/97	24*	3	pCi/L		N
299-W23-7	Non-RCRA	Cobalt-60	3/11/96	-0.7*	1.4	pCi/L	U	N
299-W23-7	Non-RCRA	Cobalt-60	6/19/96	0.2	1.7	pCi/L	U	N
299-W23-7	Non-RCRA	Cobalt-60	6/19/96	-0.6	1.5	pCi/L	U	Y
299-W23-7	Non-RCRA	Cobalt-60	6/25/96	0.5	1.0	pCi/L	U	N
299-W23-7	Non-RCRA	Cobalt-60	6/25/96	1.7	1.6	pCi/L		Y
299-W23-7	Non-RCRA	Cobalt-60	8/27/97	2.3*	2.4	pCi/L	UJ	N
299-W23-7	Non-RCRA	Cesium-137	3/11/96	19*	3.6	pCi/L		N
299-W23-7	Non-RCRA	Cesium-137	6/19/96	10	3.4	pCi/L		N
299-W23-7	Non-RCRA	Cesium-137	6/19/96	1.0	1.1	pCi/L	U	Y
299-W23-7	Non-RCRA	Cesium-137	6/25/96	14	2.8	pCi/L		N
299-W23-7	Non-RCRA	Cesium-137	6/25/96	2.0	1.7	pCi/L		Y
299-W23-7	Non-RCRA	Cesium-137	8/27/97	2.5*	2.4	pCi/L	J	N
299-W23-7	Non-RCRA	Strontium-90	3/11/96	6.2*	1.6	pCi/L		N
299-W23-7	Non-RCRA	Strontium-90	6/19/96	1.2	0.5	pCi/L		Y
299-W23-7	Non-RCRA	Strontium-90	6/25/96	1.7	0.9	pCi/L		N
299-W23-7	Non-RCRA	Strontium-90	6/25/96	0.9	0.5	pCi/L		Y
299-W23-7	Non-RCRA	Technetium-99	3/11/96	540*	61	pCi/L		N
299-W23-7	Non-RCRA	Technetium-99	6/19/96	570	64	pCi/L		N
299-W23-7	Non-RCRA	Technetium-99	6/25/96	220	25	pCi/L		N
299-W23-7	Non-RCRA	Technetium-99	8/27/97	54*	20	pCi/L		N
299-W23-7	Non-RCRA	Tritium	3/11/96	5690*	600	pCi/L		N
299-W23-7	Non-RCRA	Tritium	6/19/96	2240	370	pCi/L		N
299-W23-7	Non-RCRA	Tritium	6/25/96	2810	380	pCi/L		N
299-W23-7	Non-RCRA	Tritium	8/27/97	450*	230	pCi/L		N
299-W23-7	Non-RCRA	Uranium	3/11/96	86*	27	ug/L		N
299-W23-7	Non-RCRA	Uranium	8/27/97	1.2*	0.2	ug/L		N
299-W23-9	Non-RCRA	Gross Alpha	5/22/96	13	4	pCi/L		N
299-W23-9	Non-RCRA	Gross Beta	5/22/96	21	4	pCi/L		N
299-W23-9	Non-RCRA	Technetium-99	5/22/96	55	8	pCi/L		N
299-W23-9	Non-RCRA	Technetium-99	8/12/97	120	27	pCi/L		N

Table B.1. (contd)

Well	Well Standard	Constituent	Date	Result	Total Error	Unit	Qualifier	Filtered
299-W23-9	Non-RCRA	Tritium	5/22/96	119000	8870	pCi/L		N
299-W23-9	Non-RCRA	Uranium	5/22/96	21	5.9	ug/L		N
299-W23-9	Non-RCRA	Uranium	8/12/97	21	4.7	ug/L		N

(a) Suspect data currently under review.

*Bailed sample.

Table B.2. Analytical Results for Chemical Constituents in WMA S-SX Monitoring Wells

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W22-39	RCRA	Aluminum	2/8/96	31		ug/L	U	Y
299-W22-39	RCRA	Aluminum	11/12/96	59		ug/L	U	Y
299-W22-39	RCRA	Aluminum	2/4/97	34		ug/L	U	Y
299-W22-39	RCRA	Aluminum	5/13/97	20		ug/L	U	Y
299-W22-39	RCRA	Aluminum	8/7/97	25		ug/L	UC	Y
299-W22-39	RCRA	Aluminum	11/11/97	58		ug/L	U	Y
299-W22-39	RCRA	Alkalinity	2/8/96	91.0		mg/L		N
299-W22-39	RCRA	Alkalinity	11/12/96	88.0		mg/L		N
299-W22-39	RCRA	Alkalinity	2/4/97	95.5		mg/L		N
299-W22-39	RCRA	Alkalinity	5/13/97	88.0		mg/L		N
299-W22-39	RCRA	Alkalinity	8/7/97	88.1		mg/L		N
299-W22-39	RCRA	Alkalinity	11/11/97	86.9		mg/L		N
299-W22-39	RCRA	Calcium	2/8/96	18000	3240	ug/L		Y
299-W22-39	RCRA	Calcium	11/12/96	18000		ug/L		Y
299-W22-39	RCRA	Calcium	2/4/97	18500		ug/L	CE	Y
299-W22-39	RCRA	Calcium	5/13/97	17900		ug/L		Y
299-W22-39	RCRA	Calcium	8/7/97	18100		ug/L	C	Y
299-W22-39	RCRA	Calcium	11/11/97	18400		ug/L		Y
299-W22-39	RCRA	Chloride	2/8/96	3.9		mg/L		N
299-W22-39	RCRA	Chloride	11/12/96	3.7		mg/L		N
299-W22-39	RCRA	Chloride	2/4/97	3.4		mg/L		N
299-W22-39	RCRA	Chloride	5/13/97	3.5		mg/L		N
299-W22-39	RCRA	Chloride	8/7/97	4.4		mg/L	C	N
299-W22-39	RCRA	Chloride	11/11/97	3.1		mg/L	C	N
299-W22-39	RCRA	Conductivity	2/8/96	256		umhos/cm		N
299-W22-39	RCRA	Conductivity	2/8/96	256		umhos/cm		N
299-W22-39	RCRA	Conductivity	2/8/96	256		umhos/cm		N
299-W22-39	RCRA	Conductivity	2/8/96	256		umhos/cm		N
299-W22-39	RCRA	Conductivity	8/12/96	256		umhos/cm		N
299-W22-39	RCRA	Conductivity	8/12/96	256		umhos/cm		N
299-W22-39	RCRA	Conductivity	8/12/96	256		umhos/cm		N
299-W22-39	RCRA	Conductivity	8/12/96	256		umhos/cm		N
299-W22-39	RCRA	Conductivity	11/12/96	251		umhos/cm		N
299-W22-39	RCRA	Conductivity	2/4/97	236		umhos/cm		N
299-W22-39	RCRA	Conductivity	5/13/97	249		umhos/cm		N
299-W22-39	RCRA	Conductivity	8/7/97	241		umhos/cm		N
299-W22-39	RCRA	Conductivity	11/11/97	244		umhos/cm		N
299-W22-39	RCRA	Chromium	2/8/96	12	5.0	ug/L		Y
299-W22-39	RCRA	Chromium	11/12/96	7		ug/L	B	Y
299-W22-39	RCRA	Chromium	2/4/97	7		ug/L	B	Y
299-W22-39	RCRA	Chromium	5/13/97	5		ug/L	B	Y
299-W22-39	RCRA	Chromium	8/7/97	4		ug/L	B	Y
299-W22-39	RCRA	Chromium	11/11/97	4		ug/L	U	Y

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W22-39	RCRA	Iron	2/8/96	66	5.9	ug/L	B	Y
299-W22-39	RCRA	Iron	11/12/96	44		ug/L	C	Y
299-W22-39	RCRA	Iron	2/4/97	69		ug/L	C	Y
299-W22-39	RCRA	Iron	5/13/97	42		ug/L	C	Y
299-W22-39	RCRA	Iron	8/7/97	27		ug/L	BC	Y
299-W22-39	RCRA	Iron	11/11/97	44		ug/L		Y
299-W22-39	RCRA	Potassium	2/8/96	3500	735	ug/L		Y
299-W22-39	RCRA	Potassium	11/12/96	3450		ug/L		Y
299-W22-39	RCRA	Potassium	2/4/97	2330		ug/L	U	Y
299-W22-39	RCRA	Potassium	5/13/97	3520		ug/L		Y
299-W22-39	RCRA	Potassium	8/7/97	3600		ug/L		Y
299-W22-39	RCRA	Potassium	11/11/97	2640		ug/L	U	Y
299-W22-39	RCRA	Magnesium	2/8/96	5700	1200	ug/L		Y
299-W22-39	RCRA	Magnesium	11/12/96	5800		ug/L		Y
299-W22-39	RCRA	Magnesium	2/4/97	6000		ug/L	E	Y
299-W22-39	RCRA	Magnesium	5/13/97	5700		ug/L		Y
299-W22-39	RCRA	Magnesium	8/7/97	5700		ug/L	C	Y
299-W22-39	RCRA	Magnesium	11/11/97	5900		ug/L		Y
299-W22-39	RCRA	Manganese	2/8/96	6.2	0.93	ug/L		Y
299-W22-39	RCRA	Manganese	11/12/96	3.5		ug/L	B	Y
299-W22-39	RCRA	Manganese	2/4/97	3.4		ug/L	B	Y
299-W22-39	RCRA	Manganese	5/13/97	0.6		ug/L	B	Y
299-W22-39	RCRA	Manganese	8/7/97	2.3		ug/L	B	Y
299-W22-39	RCRA	Manganese	11/11/97	2.8		ug/L	B	Y
299-W22-39	RCRA	Sodium	2/8/96	23000	6210	ug/L		Y
299-W22-39	RCRA	Sodium	11/12/96	24300		ug/L		Y
299-W22-39	RCRA	Sodium	2/4/97	24200		ug/L		Y
299-W22-39	RCRA	Sodium	5/13/97	23800		ug/L		Y
299-W22-39	RCRA	Sodium	8/7/97	23500		ug/L		Y
299-W22-39	RCRA	Sodium	11/11/97	24200		ug/L		Y
299-W22-39	RCRA	Nitrate	2/8/96	17000		ug/L	D	N
299-W22-39	RCRA	Nitrate	11/12/96	14700		ug/L	D	N
299-W22-39	RCRA	Nitrate	2/4/97	12300		ug/L	D	N
299-W22-39	RCRA	Nitrate	5/13/97	8900		ug/L	D	N
299-W22-39	RCRA	Nitrate	8/7/97	12400		ug/L	D	N
299-W22-39	RCRA	Nitrate	11/11/97	12400		ug/L	D	N
299-W22-39	RCRA	pH	2/8/96	7.9		pH		N
299-W22-39	RCRA	pH	2/8/96	7.9		pH		N
299-W22-39	RCRA	pH	2/8/96	7.9		pH		N
299-W22-39	RCRA	pH	2/8/96	7.9		pH		N
299-W22-39	RCRA	pH	8/12/96	7.9		pH		N
299-W22-39	RCRA	pH	8/12/96	7.9		pH		N
299-W22-39	RCRA	pH	8/12/96	7.9		pH		N

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W22-39	RCRA	pH	8/12/96	7.9		pH		N
299-W22-39	RCRA	pH	11/12/96	8.1		pH		N
299-W22-39	RCRA	pH	2/4/97	8.0		pH		N
299-W22-39	RCRA	pH	5/13/97	8.0		pH		N
299-W22-39	RCRA	pH	8/7/97	8.2		pH		N
299-W22-39	RCRA	pH	11/11/97	8.0		pH		N
299-W22-39	RCRA	Sulfate	2/8/96	14.0		mg/L	D	N
299-W22-39	RCRA	Sulfate	11/12/96	14.4		mg/L		N
299-W22-39	RCRA	Sulfate	2/4/97	14.2		mg/L		N
299-W22-39	RCRA	Sulfate	5/13/97	14.4		mg/L		N
299-W22-39	RCRA	Sulfate	8/7/97	14.6		mg/L		N
299-W22-39	RCRA	Sulfate	11/11/97	13.0		mg/L		N
299-W22-44	RCRA	Aluminum	2/13/96	31		ug/L	U	Y
299-W22-44	RCRA	Aluminum	11/12/96	59		ug/L	U	Y
299-W22-44	RCRA	Aluminum	2/4/97	34		ug/L	U	Y
299-W22-44	RCRA	Aluminum	5/13/97	18300		ug/L		Y
299-W22-44	RCRA	Aluminum	8/7/97	32		ug/L	BC	Y
299-W22-44	RCRA	Aluminum	11/12/97	58		ug/L	U	Y
299-W22-44	RCRA	Alkalinity	2/13/96	87.0		mg/L		N
299-W22-44	RCRA	Alkalinity	11/12/96	84.0		mg/L		N
299-W22-44	RCRA	Alkalinity	2/4/97	95.5		mg/L		N
299-W22-44	RCRA	Alkalinity	5/13/97	84.0		mg/L		N
299-W22-44	RCRA	Alkalinity	8/7/97	86.1		mg/L		N
299-W22-44	RCRA	Alkalinity	11/12/97	83.0		mg/L		N
299-W22-44	RCRA	Calcium	2/13/96	15000		ug/L		Y
299-W22-44	RCRA	Calcium	11/12/96	15900		ug/L		Y
299-W22-44	RCRA	Calcium	2/4/97	15800		ug/L	CE	Y
299-W22-44	RCRA	Calcium	8/7/97	18900		ug/L	C	Y
299-W22-44	RCRA	Calcium	11/12/97	16500		ug/L		Y
299-W22-44	RCRA	Chloride	2/13/96	1.6		mg/L		N
299-W22-44	RCRA	Chloride	11/12/96	2.0		mg/L		N
299-W22-44	RCRA	Chloride	2/4/97	2.2		mg/L		N
299-W22-44	RCRA	Chloride	5/13/97	2.6		mg/L		N
299-W22-44	RCRA	Chloride	8/7/97	2.9		mg/L	C	N
299-W22-44	RCRA	Chloride	11/12/97	2.6		mg/L	C	N
299-W22-44	RCRA	Conductivity	2/13/96	207		umhos/cm		N
299-W22-44	RCRA	Conductivity	2/13/96	207		umhos/cm		N
299-W22-44	RCRA	Conductivity	2/13/96	207		umhos/cm		N
299-W22-44	RCRA	Conductivity	2/13/96	207		umhos/cm		N
299-W22-44	RCRA	Conductivity	8/12/96	212		umhos/cm		N
299-W22-44	RCRA	Conductivity	8/12/96	212		umhos/cm		N
299-W22-44	RCRA	Conductivity	8/12/96	211		umhos/cm		N
299-W22-44	RCRA	Conductivity	8/12/96	211		umhos/cm		N

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W22-44	RCRA	Conductivity	11/12/96	213		umhos/cm		N
299-W22-44	RCRA	Conductivity	2/4/97	209		umhos/cm		N
299-W22-44	RCRA	Conductivity	5/13/97	228		umhos/cm		N
299-W22-44	RCRA	Conductivity	8/7/97	220		umhos/cm		N
299-W22-44	RCRA	Conductivity	11/12/97	234		umhos/cm		N
299-W22-44	RCRA	Chromium	2/13/96	4		ug/L	U	Y
299-W22-44	RCRA	Chromium	11/12/96	4		ug/L	U	Y
299-W22-44	RCRA	Chromium	2/4/97	3		ug/L	U	Y
299-W22-44	RCRA	Chromium	8/7/97	4		ug/L	B	Y
299-W22-44	RCRA	Chromium	11/12/97	4		ug/L	U	Y
299-W22-44	RCRA	Iron	2/13/96	33		ug/L	B	Y
299-W22-44	RCRA	Iron	11/12/96	34		ug/L	C	Y
299-W22-44	RCRA	Iron	2/4/97	52		ug/L	C	Y
299-W22-44	RCRA	Iron	8/7/97	27		ug/L	BC	Y
299-W22-44	RCRA	Iron	11/12/97	54		ug/L	C	Y
299-W22-44	RCRA	Potassium	2/13/96	2500		ug/L		Y
299-W22-44	RCRA	Potassium	11/12/96	1960		ug/L		Y
299-W22-44	RCRA	Potassium	2/4/97	2330		ug/L	U	Y
299-W22-44	RCRA	Potassium	8/7/97	2960		ug/L		Y
299-W22-44	RCRA	Potassium	11/12/97	2640		ug/L	U	Y
299-W22-44	RCRA	Magnesium	2/13/96	4700		ug/L		Y
299-W22-44	RCRA	Magnesium	11/12/96	4970		ug/L		Y
299-W22-44	RCRA	Magnesium	2/4/97	4960		ug/L	E	Y
299-W22-44	RCRA	Magnesium	8/7/97	5830		ug/L	C	Y
299-W22-44	RCRA	Magnesium	11/12/97	5130		ug/L		Y
299-W22-44	RCRA	Manganese	2/13/96	0.8		ug/L	L	Y
299-W22-44	RCRA	Manganese	11/12/96	2.4		ug/L	B	Y
299-W22-44	RCRA	Manganese	2/4/97	2.9		ug/L	B	Y
299-W22-44	RCRA	Manganese	8/7/97	2.8		ug/L	B	Y
299-W22-44	RCRA	Manganese	11/12/97	1.7		ug/L	B	Y
299-W22-44	RCRA	Sodium	2/13/96	20000		ug/L		Y
299-W22-44	RCRA	Sodium	11/12/96	20800		ug/L		Y
299-W22-44	RCRA	Sodium	2/4/97	19500		ug/L		Y
299-W22-44	RCRA	Sodium	8/7/97	21100		ug/L		Y
299-W22-44	RCRA	Sodium	11/12/97	19700		ug/L		Y
299-W22-44	RCRA	Nitrate	2/13/96	1500		ug/L		N
299-W22-44	RCRA	Nitrate	11/12/96	4300		ug/L	D	N
299-W22-44	RCRA	Nitrate	2/4/97	5800		ug/L	D	N
299-W22-44	RCRA	Nitrate	5/13/97	8100		ug/L	D	N
299-W22-44	RCRA	Nitrate	8/7/97	10300		ug/L	D	N
299-W22-44	RCRA	Nitrate	11/12/97	9000		ug/L	D	N
299-W22-44	RCRA	pH	2/13/96	8.0		pH		N
299-W22-44	RCRA	pH	2/13/96	8.0		pH		N

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W22-44	RCRA	pH	2/13/96	8.0		pH		N
299-W22-44	RCRA	pH	2/13/96	8.0		pH		N
299-W22-44	RCRA	pH	8/12/96	8.0		pH		N
299-W22-44	RCRA	pH	8/12/96	8.0		pH		N
299-W22-44	RCRA	pH	8/12/96	8.0		pH		N
299-W22-44	RCRA	pH	8/12/96	8.0		pH		N
299-W22-44	RCRA	pH	8/12/96	8.0		pH		N
299-W22-44	RCRA	pH	11/12/96	8.2		pH		N
299-W22-44	RCRA	pH	2/4/97	8.0		pH		N
299-W22-44	RCRA	pH	5/13/97	8.0		pH		N
299-W22-44	RCRA	pH	8/7/97	8.1		pH		N
299-W22-44	RCRA	pH	11/12/97	8.0		pH		N
299-W22-44	RCRA	Sulfate	2/13/96	11.0		mg/L	D	N
299-W22-44	RCRA	Sulfate	11/12/96	11.4		mg/L		N
299-W22-44	RCRA	Sulfate	2/4/97	11.8		mg/L		N
299-W22-44	RCRA	Sulfate	5/13/97	12.4		mg/L		N
299-W22-44	RCRA	Sulfate	8/7/97	13.2		mg/L		N
299-W22-44	RCRA	Sulfate	11/12/97	12.6		mg/L		N
299-W22-45	RCRA	Aluminum	2/13/96	31		ug/L	U	Y
299-W22-45	RCRA	Aluminum	11/12/96	59		ug/L	U	Y
299-W22-45	RCRA	Aluminum	2/4/97	34		ug/L	U	Y
299-W22-45	RCRA	Aluminum	5/20/97	60		ug/L	B	Y
299-W22-45	RCRA	Aluminum	8/6/97	25		ug/L	BC	Y
299-W22-45	RCRA	Aluminum	11/11/97	58		ug/L	U	Y
299-W22-45	RCRA	Alkalinity	2/13/96	88.0		mg/L		N
299-W22-45	RCRA	Alkalinity	11/12/96	86.0		mg/L		N
299-W22-45	RCRA	Alkalinity	2/4/97	91.5		mg/L		N
299-W22-45	RCRA	Alkalinity	5/20/97	86.0		mg/L		N
299-W22-45	RCRA	Alkalinity	8/6/97	87.8		mg/L		N
299-W22-45	RCRA	Alkalinity	11/11/97	87.3		mg/L		N
299-W22-45	RCRA	Calcium	2/13/96	20000		ug/L		Y
299-W22-45	RCRA	Calcium	11/12/96	21300		ug/L		Y
299-W22-45	RCRA	Calcium	2/4/97	21700		ug/L	CE	Y
299-W22-45	RCRA	Calcium	5/20/97	23100		ug/L	C	Y
299-W22-45	RCRA	Calcium	8/6/97	23300		ug/L	C	Y
299-W22-45	RCRA	Calcium	11/11/97	26300		ug/L		Y
299-W22-45	RCRA	Chloride	2/13/96	4.7		mg/L		N
299-W22-45	RCRA	Chloride	11/12/96	5.3		mg/L	D	N
299-W22-45	RCRA	Chloride	2/4/97	5.4		mg/L	D	N
299-W22-45	RCRA	Chloride	5/20/97	6.3		mg/L	D	N
299-W22-45	RCRA	Chloride	8/6/97	6.7		mg/L	CD	N
299-W22-45	RCRA	Chloride	11/11/97	7.6		mg/L	CD	N
299-W22-45	RCRA	Conductivity	2/13/96	273		umhos/cm		N
299-W22-45	RCRA	Conductivity	2/13/96	271		umhos/cm		N

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W22-45	RCRA	Conductivity	2/13/96	271		umhos/cm		N
299-W22-45	RCRA	Conductivity	2/13/96	273		umhos/cm		N
299-W22-45	RCRA	Conductivity	8/14/96	271		umhos/cm		N
299-W22-45	RCRA	Conductivity	8/14/96	271		umhos/cm		N
299-W22-45	RCRA	Conductivity	8/14/96	270		umhos/cm		N
299-W22-45	RCRA	Conductivity	8/14/96	270		umhos/cm		N
299-W22-45	RCRA	Conductivity	11/12/96	285		umhos/cm		N
299-W22-45	RCRA	Conductivity	2/4/97	277		umhos/cm		N
299-W22-45	RCRA	Conductivity	5/20/97	312		umhos/cm		N
299-W22-45	RCRA	Conductivity	8/6/97	304		umhos/cm		N
299-W22-45	RCRA	Conductivity	11/11/97	314		umhos/cm		N
299-W22-45	RCRA	Chromium	2/13/96	4		ug/L	U	Y
299-W22-45	RCRA	Chromium	11/12/96	5		ug/L	B	Y
299-W22-45	RCRA	Chromium	2/4/97	3		ug/L	U	Y
299-W22-45	RCRA	Chromium	5/20/97	12		ug/L		Y
299-W22-45	RCRA	Chromium	8/6/97	4		ug/L	B	Y
299-W22-45	RCRA	Chromium	11/11/97	6		ug/L	B	Y
299-W22-45	RCRA	Iron	2/13/96	23		ug/L	BL	Y
299-W22-45	RCRA	Iron	11/12/96	40		ug/L	C	Y
299-W22-45	RCRA	Iron	2/4/97	42		ug/L	C	Y
299-W22-45	RCRA	Iron	5/20/97	77		ug/L	C	Y
299-W22-45	RCRA	Iron	8/6/97	17		ug/L	BC	Y
299-W22-45	RCRA	Iron	11/11/97	29		ug/L	B	Y
299-W22-45	RCRA	Potassium	2/13/96	2900		ug/L		Y
299-W22-45	RCRA	Potassium	11/12/96	3190		ug/L		Y
299-W22-45	RCRA	Potassium	2/4/97	2330		ug/L	U	Y
299-W22-45	RCRA	Potassium	5/20/97	4180		ug/L		Y
299-W22-45	RCRA	Potassium	8/6/97	3540		ug/L		Y
299-W22-45	RCRA	Potassium	11/11/97	4980		ug/L		Y
299-W22-45	RCRA	Magnesium	2/13/96	6300		ug/L		Y
299-W22-45	RCRA	Magnesium	11/12/96	6720		ug/L		Y
299-W22-45	RCRA	Magnesium	2/4/97	6800		ug/L	E	Y
299-W22-45	RCRA	Magnesium	5/20/97	7090		ug/L		Y
299-W22-45	RCRA	Magnesium	8/6/97	7120		ug/L		Y
299-W22-45	RCRA	Magnesium	11/11/97	8150		ug/L		Y
299-W22-45	RCRA	Manganese	2/13/96	0.6		ug/L	U	Y
299-W22-45	RCRA	Manganese	11/12/96	2.6		ug/L	B	Y
299-W22-45	RCRA	Manganese	2/4/97	3.1		ug/L	B	Y
299-W22-45	RCRA	Manganese	5/20/97	1.9		ug/L	B	Y
299-W22-45	RCRA	Manganese	8/6/97	2.2		ug/L	B	Y
299-W22-45	RCRA	Manganese	11/11/97	2.5		ug/L	B	Y
299-W22-45	RCRA	Sodium	2/13/96	24000		ug/L		Y
299-W22-45	RCRA	Sodium	11/12/96	24300		ug/L		Y

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W22-45	RCRA	Sodium	2/4/97	23900		ug/L		Y
299-W22-45	RCRA	Sodium	5/20/97	25900		ug/L		Y
299-W22-45	RCRA	Sodium	8/6/97	24400		ug/L		Y
299-W22-45	RCRA	Sodium	11/11/97	26800		ug/L		Y
299-W22-45	RCRA	Nitrate	2/13/96	17000		ug/L	D	N
299-W22-45	RCRA	Nitrate	11/12/96	22400		ug/L	D	N
299-W22-45	RCRA	Nitrate	2/4/97	25600		ug/L	D	N
299-W22-45	RCRA	Nitrate	5/20/97	27800		ug/L	D	N
299-W22-45	RCRA	Nitrate	8/6/97	31600		ug/L	D	N
299-W22-45	RCRA	Nitrate	11/11/97	34000		ug/L	D	N
299-W22-45	RCRA	pH	2/13/96	8.1		pH		N
299-W22-45	RCRA	pH	2/13/96	8.1		pH		N
299-W22-45	RCRA	pH	2/13/96	8.1		pH		N
299-W22-45	RCRA	pH	2/13/96	8.1		pH		N
299-W22-45	RCRA	pH	8/14/96	8.0		pH		N
299-W22-45	RCRA	pH	8/14/96	8.0		pH		N
299-W22-45	RCRA	pH	8/14/96	8.0		pH		N
299-W22-45	RCRA	pH	8/14/96	8.0		pH		N
299-W22-45	RCRA	pH	8/14/96	8.0		pH		N
299-W22-45	RCRA	pH	11/12/96	8.3		pH		N
299-W22-45	RCRA	pH	2/4/97	8.1		pH		N
299-W22-45	RCRA	pH	5/20/97	8.1		pH		N
299-W22-45	RCRA	pH	8/6/97	8.1		pH		N
299-W22-45	RCRA	pH	11/11/97	7.9		pH		N
299-W22-45	RCRA	Sulfate	2/13/96	21.0		mg/L	D	N
299-W22-45	RCRA	Sulfate	11/12/96	20.1		mg/L	D	N
299-W22-45	RCRA	Sulfate	2/4/97	21.6		mg/L	D	N
299-W22-45	RCRA	Sulfate	5/20/97	22.2		mg/L	D	N
299-W22-45	RCRA	Sulfate	8/6/97	23.8		mg/L	D	N
299-W22-45	RCRA	Sulfate	11/11/97	26.5		mg/L	D	N
299-W22-46	RCRA	Aluminum	2/8/96	31		ug/L	U	Y
299-W22-46	RCRA	Aluminum	11/11/96	60		ug/L	B	Y
299-W22-46	RCRA	Aluminum	2/4/97	34		ug/L	U	Y
299-W22-46	RCRA	Aluminum	5/8/97	20		ug/L	U	Y
299-W22-46	RCRA	Aluminum	5/8/97	20		ug/L	U	N
299-W22-46	RCRA	Aluminum	5/8/97	97		ug/L	B	Y
299-W22-46	RCRA	Aluminum	8/7/97	26		ug/L	BC	Y
299-W22-46	RCRA	Aluminum	11/11/97	58		ug/L	U	Y
299-W22-46	RCRA	Alkalinity	2/8/96	92.0		mg/L		N
299-W22-46	RCRA	Alkalinity	11/11/96	89.6		mg/L		N
299-W22-46	RCRA	Alkalinity	2/4/97	97.5		mg/L		N
299-W22-46	RCRA	Alkalinity	5/8/97	88.0		mg/L		N
299-W22-46	RCRA	Alkalinity	8/7/97	89.9		mg/L		N
299-W22-46	RCRA	Alkalinity	11/11/97	87.0		mg/L		N

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W22-46	RCRA	Calcium	2/8/96	17000	3060	ug/L		Y
299-W22-46	RCRA	Calcium	11/11/96	20900		ug/L		Y
299-W22-46	RCRA	Calcium	2/4/97	23700		ug/L	CE	Y
299-W22-46	RCRA	Calcium	5/8/97	25600		ug/L		Y
299-W22-46	RCRA	Calcium	5/8/97	24600		ug/L		N
299-W22-46	RCRA	Calcium	5/8/97	25900		ug/L		Y
299-W22-46	RCRA	Calcium	8/7/97	24400		ug/L	C	Y
299-W22-46	RCRA	Calcium	11/11/97	25600		ug/L		Y
299-W22-46	RCRA	Chloride	2/8/96	3.3		mg/L		N
299-W22-46	RCRA	Chloride	11/11/96	3.2		mg/L		N
299-W22-46	RCRA	Chloride	2/4/97	3.2		mg/L		N
299-W22-46	RCRA	Chloride	5/8/97	3.6		mg/L		N
299-W22-46	RCRA	Chloride	5/8/97	3.5		mg/L		N
299-W22-46	RCRA	Chloride	8/7/97	3.5		mg/L	C	N
299-W22-46	RCRA	Chloride	11/11/97	3.1		mg/L	C	N
299-W22-46	RCRA	Conductivity	2/8/96	239		umhos/cm		N
299-W22-46	RCRA	Conductivity	2/8/96	239		umhos/cm		N
299-W22-46	RCRA	Conductivity	2/8/96	239		umhos/cm		N
299-W22-46	RCRA	Conductivity	2/8/96	239		umhos/cm		N
299-W22-46	RCRA	Conductivity	2/26/96	222		umhos/cm		N
299-W22-46	RCRA	Conductivity	8/12/96	237		umhos/cm		N
299-W22-46	RCRA	Conductivity	8/12/96	237		umhos/cm		N
299-W22-46	RCRA	Conductivity	8/12/96	237		umhos/cm		N
299-W22-46	RCRA	Conductivity	8/12/96	237		umhos/cm		N
299-W22-46	RCRA	Conductivity	8/12/96	237		umhos/cm		N
299-W22-46	RCRA	Conductivity	11/11/96	284		umhos/cm		N
299-W22-46	RCRA	Conductivity	2/4/97	283		umhos/cm		N
299-W22-46	RCRA	Conductivity	5/8/97	315		umhos/cm		N
299-W22-46	RCRA	Conductivity	5/8/97	317		umhos/cm		N
299-W22-46	RCRA	Conductivity	5/23/97	322		umhos/cm		N
299-W22-46	RCRA	Conductivity	8/7/97	304		umhos/cm		N
299-W22-46	RCRA	Conductivity	11/11/97	292		umhos/cm		N
299-W22-46	RCRA	Chromium	2/8/96	8.1	3.4	ug/L	L	Y
299-W22-46	RCRA	Chromium	11/11/96	31		ug/L		Y
299-W22-46	RCRA	Chromium	2/4/97	28		ug/L		Y
299-W22-46	RCRA	Chromium	5/8/97	39		ug/L		Y
299-W22-46	RCRA	Chromium	5/8/97	38		ug/L		N
299-W22-46	RCRA	Chromium	5/8/97	35		ug/L		Y
299-W22-46	RCRA	Chromium	8/7/97	34		ug/L		Y
299-W22-46	RCRA	Chromium	11/11/97	33		ug/L		Y
299-W22-46	RCRA	Iron	2/8/96	37	3.3	ug/L	B	Y
299-W22-46	RCRA	Iron	11/11/96	59		ug/L	C	Y
299-W22-46	RCRA	Iron	2/4/97	68		ug/L	C	Y
299-W22-46	RCRA	Iron	5/8/97	20		ug/L	B	Y

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W22-46	RCRA	Iron	5/8/97	96		ug/L		N
299-W22-46	RCRA	Iron	5/8/97	26		ug/L	B	Y
299-W22-46	RCRA	Iron	8/7/97	83		ug/L	C	Y
299-W22-46	RCRA	Iron	11/11/97	87		ug/L		Y
299-W22-46	RCRA	Potassium	2/8/96	3000	630	ug/L		Y
299-W22-46	RCRA	Potassium	11/11/96	3080		ug/L		Y
299-W22-46	RCRA	Potassium	2/4/97	2330		ug/L	U	Y
299-W22-46	RCRA	Potassium	5/8/97	5060		ug/L		Y
299-W22-46	RCRA	Potassium	5/8/97	4220		ug/L		N
299-W22-46	RCRA	Potassium	5/8/97	3400		ug/L		Y
299-W22-46	RCRA	Potassium	8/7/97	4010		ug/L		Y
299-W22-46	RCRA	Potassium	11/11/97	3260		ug/L		Y
299-W22-46	RCRA	Magnesium	2/8/96	5600	1180	ug/L		Y
299-W22-46	RCRA	Magnesium	11/11/96	6960		ug/L		Y
299-W22-46	RCRA	Magnesium	2/4/97	7960		ug/L	E	Y
299-W22-46	RCRA	Magnesium	5/8/97	8380		ug/L		Y
299-W22-46	RCRA	Magnesium	5/8/97	8020		ug/L		N
299-W22-46	RCRA	Magnesium	5/8/97	8520		ug/L		Y
299-W22-46	RCRA	Magnesium	8/7/97	8030		ug/L	C	Y
299-W22-46	RCRA	Magnesium	11/11/97	8560		ug/L		Y
299-W22-46	RCRA	Manganese	2/8/96	0.82	0.12	ug/L	L	Y
299-W22-46	RCRA	Manganese	11/11/96	1.8		ug/L	B	Y
299-W22-46	RCRA	Manganese	2/4/97	3.6		ug/L	B	Y
299-W22-46	RCRA	Manganese	5/8/97	1.4		ug/L	B	Y
299-W22-46	RCRA	Manganese	5/8/97	2.8		ug/L	B	N
299-W22-46	RCRA	Manganese	5/8/97	2.3		ug/L	B	Y
299-W22-46	RCRA	Manganese	8/7/97	2.5		ug/L	B	Y
299-W22-46	RCRA	Manganese	11/11/97	3.1		ug/L	B	Y
299-W22-46	RCRA	Sodium	2/8/96	22000	5940	ug/L		Y
299-W22-46	RCRA	Sodium	11/11/96	23100		ug/L		Y
299-W22-46	RCRA	Sodium	2/4/97	24600		ug/L		Y
299-W22-46	RCRA	Sodium	5/8/97	25800		ug/L		Y
299-W22-46	RCRA	Sodium	5/8/97	25100		ug/L		N
299-W22-46	RCRA	Sodium	5/8/97	26100		ug/L		Y
299-W22-46	RCRA	Sodium	8/7/97	24500		ug/L		Y
299-W22-46	RCRA	Sodium	11/11/97	25600		ug/L		Y
299-W22-46	RCRA	Nitrate	2/8/96	11000		ug/L	D	N
299-W22-46	RCRA	Nitrate	11/11/96	35500		ug/L	D	N
299-W22-46	RCRA	Nitrate	2/4/97	40400		ug/L	D	N
299-W22-46	RCRA	Nitrate	5/8/97	52200		ug/L	D	N
299-W22-46	RCRA	Nitrate	5/8/97	46500		ug/L	D	N
299-W22-46	RCRA	Nitrate	8/7/97	49600		ug/L	D	N
299-W22-46	RCRA	Nitrate	11/11/97	44300		ug/L	D	N

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W22-46	RCRA	pH	2/8/96	8.0		pH		N
299-W22-46	RCRA	pH	2/8/96	8.0		pH		N
299-W22-46	RCRA	pH	2/8/96	8.0		pH		N
299-W22-46	RCRA	pH	2/8/96	8.0		pH		N
299-W22-46	RCRA	pH	2/26/96	7.9		pH		N
299-W22-46	RCRA	pH	8/12/96	7.9		pH		N
299-W22-46	RCRA	pH	8/12/96	7.9		pH		N
299-W22-46	RCRA	pH	8/12/96	7.9		pH		N
299-W22-46	RCRA	pH	8/12/96	7.9		pH		N
299-W22-46	RCRA	pH	11/11/96	8.1		pH		N
299-W22-46	RCRA	pH	2/4/97	8.1		pH		N
299-W22-46	RCRA	pH	5/8/97	7.9		pH		N
299-W22-46	RCRA	pH	5/8/97	8.0		pH		N
299-W22-46	RCRA	pH	5/23/97	7.9		pH		N
299-W22-46	RCRA	pH	8/7/97	8.2		pH		N
299-W22-46	RCRA	pH	11/11/97	7.9		pH		N
299-W22-46	RCRA	Sulfate	2/8/96	14.0		mg/L	D	N
299-W22-46	RCRA	Sulfate	11/11/96	13.6		mg/L		N
299-W22-46	RCRA	Sulfate	2/4/97	13.7		mg/L		N
299-W22-46	RCRA	Sulfate	5/8/97	14.4		mg/L		N
299-W22-46	RCRA	Sulfate	5/8/97	14.9		mg/L		N
299-W22-46	RCRA	Sulfate	8/7/97	14.2		mg/L		N
299-W22-46	RCRA	Sulfate	11/11/97	13.1		mg/L		N
299-W23-13	RCRA	Aluminum	2/7/96	31		ug/L	U	Y
299-W23-13	RCRA	Aluminum	11/7/96	59		ug/L	U	Y
299-W23-13	RCRA	Aluminum	2/6/97	34		ug/L	UC	Y
299-W23-13	RCRA	Aluminum	5/7/97	20		ug/L	U	Y
299-W23-13	RCRA	Aluminum	8/7/97	584		ug/L	C	Y
299-W23-13	RCRA	Aluminum	11/11/97	58		ug/L	U	Y
299-W23-13	RCRA	Alkalinity	2/7/96	93.0		mg/L		N
299-W23-13	RCRA	Alkalinity	11/7/96	90.5		mg/L		N
299-W23-13	RCRA	Alkalinity	2/6/97	99.5		mg/L		N
299-W23-13	RCRA	Alkalinity	5/7/97	100.0		mg/L		N
299-W23-13	RCRA	Alkalinity	8/7/97	93.5		mg/L		N
299-W23-13	RCRA	Alkalinity	11/11/97	89.9		mg/L		N
299-W23-13	RCRA	Calcium	2/7/96	18000	3240	ug/L		Y
299-W23-13	RCRA	Calcium	11/7/96	18600		ug/L		Y
299-W23-13	RCRA	Calcium	2/6/97	17700		ug/L	C	Y
299-W23-13	RCRA	Calcium	5/7/97	19800		ug/L		Y
299-W23-13	RCRA	Calcium	8/7/97	19000		ug/L	C	Y
299-W23-13	RCRA	Calcium	11/11/97	19600		ug/L		Y
299-W23-13	RCRA	Chloride	2/7/96	2.7		mg/L		N
299-W23-13	RCRA	Chloride	11/7/96	2.7		mg/L		N

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W23-13	RCRA	Chloride	2/6/97	2.8		mg/L		N
299-W23-13	RCRA	Chloride	5/7/97	2.9		mg/L		N
299-W23-13	RCRA	Chloride	8/7/97	2.8		mg/L	C	N
299-W23-13	RCRA	Chloride	11/11/97	2.6		mg/L	C	N
299-W23-13	RCRA	Conductivity	2/7/96	227		umhos/cm		N
299-W23-13	RCRA	Conductivity	2/7/96	226		umhos/cm		N
299-W23-13	RCRA	Conductivity	2/7/96	226		umhos/cm		N
299-W23-13	RCRA	Conductivity	2/7/96	226		umhos/cm		N
299-W23-13	RCRA	Conductivity	8/8/96	220		umhos/cm		N
299-W23-13	RCRA	Conductivity	8/8/96	220		umhos/cm		N
299-W23-13	RCRA	Conductivity	8/8/96	220		umhos/cm		N
299-W23-13	RCRA	Conductivity	8/8/96	220		umhos/cm		N
299-W23-13	RCRA	Conductivity	8/8/96	220		umhos/cm		N
299-W23-13	RCRA	Conductivity	8/8/96	220		umhos/cm		N
299-W23-13	RCRA	Conductivity	11/7/96	219		umhos/cm		N
299-W23-13	RCRA	Conductivity	2/6/97	220		umhos/cm		N
299-W23-13	RCRA	Conductivity	5/7/97	231		umhos/cm		N
299-W23-13	RCRA	Conductivity	8/7/97	226		umhos/cm		N
299-W23-13	RCRA	Conductivity	11/11/97	221		umhos/cm		N
299-W23-13	RCRA	Chromium	2/7/96	4	1.7	ug/L	L	Y
299-W23-13	RCRA	Chromium	11/7/96	9		ug/L	B	Y
299-W23-13	RCRA	Chromium	2/6/97	5		ug/L	B	Y
299-W23-13	RCRA	Chromium	5/7/97	3		ug/L	U	Y
299-W23-13	RCRA	Chromium	8/7/97	3		ug/L	B	Y
299-W23-13	RCRA	Chromium	11/11/97	5		ug/L	B	Y
299-W23-13	RCRA	Iron	2/7/96	44	4.0	ug/L	B	Y
299-W23-13	RCRA	Iron	11/7/96	50		ug/L		Y
299-W23-13	RCRA	Iron	2/6/97	43		ug/L	C	Y
299-W23-13	RCRA	Iron	5/7/97	17		ug/L	BC	Y
299-W23-13	RCRA	Iron	8/7/97	536		ug/L	C	Y
299-W23-13	RCRA	Iron	11/11/97	36		ug/L		Y
299-W23-13	RCRA	Potassium	2/7/96	3700	780	ug/L		Y
299-W23-13	RCRA	Potassium	11/7/96	5040		ug/L		Y
299-W23-13	RCRA	Potassium	2/6/97	3750		ug/L		Y
299-W23-13	RCRA	Potassium	5/7/97	1900		ug/L	U	Y
299-W23-13	RCRA	Potassium	8/7/97	3750		ug/L		Y
299-W23-13	RCRA	Potassium	11/11/97	2640		ug/L	U	Y
299-W23-13	RCRA	Magnesium	2/7/96	5500	1160	ug/L		Y
299-W23-13	RCRA	Magnesium	11/7/96	5910		ug/L		Y
299-W23-13	RCRA	Magnesium	2/6/97	5660		ug/L		Y
299-W23-13	RCRA	Magnesium	5/7/97	6060		ug/L		Y
299-W23-13	RCRA	Magnesium	8/7/97	6840		ug/L	C	Y
299-W23-13	RCRA	Magnesium	11/11/97	6150		ug/L		Y
299-W23-13	RCRA	Manganese	2/7/96	1.4	0.21	ug/L	L	Y
299-W23-13	RCRA	Manganese	11/7/96	4.5		ug/L	B	Y

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W23-13	RCRA	Manganese	2/6/97	1.8		ug/L	B	Y
299-W23-13	RCRA	Manganese	5/7/97	1.1		ug/L	B	Y
299-W23-13	RCRA	Manganese	8/7/97	5.6		ug/L		Y
299-W23-13	RCRA	Manganese	11/11/97	2.2		ug/L	B	Y
299-W23-13	RCRA	Sodium	2/7/96	19000	5130	ug/L		Y
299-W23-13	RCRA	Sodium	11/7/96	20600		ug/L		Y
299-W23-13	RCRA	Sodium	2/6/97	19400		ug/L		Y
299-W23-13	RCRA	Sodium	5/7/97	20700		ug/L		Y
299-W23-13	RCRA	Sodium	8/7/97	20000		ug/L		Y
299-W23-13	RCRA	Sodium	11/11/97	20900		ug/L		Y
299-W23-13	RCRA	Nitrate	2/7/96	2700		ug/L		N
299-W23-13	RCRA	Nitrate	11/7/96	2500		ug/L		N
299-W23-13	RCRA	Nitrate	2/6/97	2500		ug/L		N
299-W23-13	RCRA	Nitrate	5/7/97	2400		ug/L		N
299-W23-13	RCRA	Nitrate	8/7/97	2500		ug/L		N
299-W23-13	RCRA	Nitrate	11/11/97	2500		ug/L		N
299-W23-13	RCRA	pH	2/7/96	8.1		pH		N
299-W23-13	RCRA	pH	2/7/96	8.1		pH		N
299-W23-13	RCRA	pH	2/7/96	8.1		pH		N
299-W23-13	RCRA	pH	2/7/96	8.1		pH		N
299-W23-13	RCRA	pH	8/8/96	8.1		pH		N
299-W23-13	RCRA	pH	8/8/96	8.1		pH		N
299-W23-13	RCRA	pH	8/8/96	8.1		pH		N
299-W23-13	RCRA	pH	8/8/96	8.1		pH		N
299-W23-13	RCRA	pH	11/7/96	8.2		pH		N
299-W23-13	RCRA	pH	2/6/97	8.2		pH		N
299-W23-13	RCRA	pH	5/7/97	8.2		pH		N
299-W23-13	RCRA	pH	8/7/97	8.3		pH		N
299-W23-13	RCRA	pH	11/11/97	8.1		pH		N
299-W23-13	RCRA	Sulfate	2/7/96	14.0		mg/L	D	N
299-W23-13	RCRA	Sulfate	11/7/96	13.6		mg/L		N
299-W23-13	RCRA	Sulfate	2/6/97	13.8		mg/L		N
299-W23-13	RCRA	Sulfate	5/7/97	14.1		mg/L		N
299-W23-13	RCRA	Sulfate	8/7/97	14.1		mg/L		N
299-W23-13	RCRA	Sulfate	11/11/97	13.6		mg/L		N
299-W23-14	RCRA	Aluminum	2/7/96	31		ug/L	U	Y
299-W23-14	RCRA	Aluminum	11/7/96	59		ug/L	U	Y
299-W23-14	RCRA	Aluminum	2/4/97	65		ug/L	B	Y
299-W23-14	RCRA	Aluminum	5/8/97	29		ug/L	B	Y
299-W23-14	RCRA	Aluminum	8/7/97	64		ug/L	BC	Y
299-W23-14	RCRA	Aluminum	11/11/97	58		ug/L	U	Y
299-W23-14	RCRA	Alkalinity	2/7/96	87.0		mg/L		N
299-W23-14	RCRA	Alkalinity	11/7/96	83.4		mg/L		N

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W23-14	RCRA	Alkalinity	2/4/97	89.6		mg/L		N
299-W23-14	RCRA	Alkalinity	5/8/97	84.0		mg/L		N
299-W23-14	RCRA	Alkalinity	8/7/97	88.2		mg/L		N
299-W23-14	RCRA	Alkalinity	11/11/97	82.1		mg/L		N
299-W23-14	RCRA	Calcium	2/7/96	18000	3240	ug/L		Y
299-W23-14	RCRA	Calcium	11/7/96	22000		ug/L		Y
299-W23-14	RCRA	Calcium	2/4/97	24500		ug/L	CE	Y
299-W23-14	RCRA	Calcium	5/8/97	23400		ug/L		Y
299-W23-14	RCRA	Calcium	8/7/97	19900		ug/L	C	Y
299-W23-14	RCRA	Calcium	11/11/97	22800		ug/L		Y
299-W23-14	RCRA	Chloride	2/7/96	4.2		mg/L		N
299-W23-14	RCRA	Chloride	11/7/96	6.9		mg/L	D	N
299-W23-14	RCRA	Chloride	2/4/97	9.6		mg/L	D	N
299-W23-14	RCRA	Chloride	5/8/97	9.0		mg/L	D	N
299-W23-14	RCRA	Chloride	8/7/97	6.4		mg/L	CD	N
299-W23-14	RCRA	Chloride	11/11/97	8.7		mg/L	CD	N
299-W23-14	RCRA	Conductivity	2/7/96	247		umhos/cm		N
299-W23-14	RCRA	Conductivity	2/7/96	247		umhos/cm		N
299-W23-14	RCRA	Conductivity	2/7/96	247		umhos/cm		N
299-W23-14	RCRA	Conductivity	2/7/96	246		umhos/cm		N
299-W23-14	RCRA	Conductivity	8/8/96	263		umhos/cm		N
299-W23-14	RCRA	Conductivity	8/8/96	263		umhos/cm		N
299-W23-14	RCRA	Conductivity	8/8/96	263		umhos/cm		N
299-W23-14	RCRA	Conductivity	8/8/96	262		umhos/cm		N
299-W23-14	RCRA	Conductivity	11/7/96	272		umhos/cm		N
299-W23-14	RCRA	Conductivity	2/4/97	291		umhos/cm		N
299-W23-14	RCRA	Conductivity	5/8/97	286		umhos/cm		N
299-W23-14	RCRA	Conductivity	8/7/97	265		umhos/cm		N
299-W23-14	RCRA	Conductivity	11/11/97	256		umhos/cm		N
299-W23-14	RCRA	Chromium	2/7/96	8	3.2	ug/L	L	Y
299-W23-14	RCRA	Chromium	11/7/96	5		ug/L	B	Y
299-W23-14	RCRA	Chromium	2/4/97	9		ug/L	B	Y
299-W23-14	RCRA	Chromium	5/8/97	7		ug/L	B	Y
299-W23-14	RCRA	Chromium	8/7/97	3		ug/L	B	Y
299-W23-14	RCRA	Chromium	11/11/97	8		ug/L	B	Y
299-W23-14	RCRA	Iron	2/7/96	27	2.4	ug/L	BL	Y
299-W23-14	RCRA	Iron	11/7/96	36		ug/L		Y
299-W23-14	RCRA	Iron	2/4/97	59		ug/L	C	Y
299-W23-14	RCRA	Iron	5/8/97	35		ug/L	C	Y
299-W23-14	RCRA	Iron	8/7/97	77		ug/L	C	Y
299-W23-14	RCRA	Iron	11/11/97	46		ug/L		Y
299-W23-14	RCRA	Potassium	2/7/96	2900	609	ug/L		Y
299-W23-14	RCRA	Potassium	11/7/96	3020		ug/L		Y

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W23-14	RCRA	Potassium	2/4/97	2330		ug/L	U	Y
299-W23-14	RCRA	Potassium	5/8/97	4410		ug/L		Y
299-W23-14	RCRA	Potassium	8/7/97	4030		ug/L		Y
299-W23-14	RCRA	Potassium	11/11/97	2640		ug/L	U	Y
299-W23-14	RCRA	Magnesium	2/7/96	5800	1220	ug/L		Y
299-W23-14	RCRA	Magnesium	11/7/96	7090		ug/L		Y
299-W23-14	RCRA	Magnesium	2/4/97	7890		ug/L	E	Y
299-W23-14	RCRA	Magnesium	5/8/97	7520		ug/L	C	Y
299-W23-14	RCRA	Magnesium	8/7/97	6270		ug/L	C	Y
299-W23-14	RCRA	Magnesium	11/11/97	7270		ug/L		Y
299-W23-14	RCRA	Manganese	2/7/96	1.7	0.26	ug/L	L	Y
299-W23-14	RCRA	Manganese	11/7/96	3.0		ug/L	B	Y
299-W23-14	RCRA	Manganese	2/4/97	4.5		ug/L	B	Y
299-W23-14	RCRA	Manganese	5/8/97	2.4		ug/L	B	Y
299-W23-14	RCRA	Manganese	8/7/97	2.4		ug/L	B	Y
299-W23-14	RCRA	Manganese	11/11/97	3.1		ug/L	B	Y
299-W23-14	RCRA	Sodium	2/7/96	20000	5400	ug/L		Y
299-W23-14	RCRA	Sodium	11/7/96	23100		ug/L		Y
299-W23-14	RCRA	Sodium	2/4/97	23300		ug/L		Y
299-W23-14	RCRA	Sodium	5/8/97	22900		ug/L		Y
299-W23-14	RCRA	Sodium	8/7/97	21100		ug/L		Y
299-W23-14	RCRA	Sodium	11/11/97	23600		ug/L		Y
299-W23-14	RCRA	Nitrate	2/7/96	16000		ug/L	D	N
299-W23-14	RCRA	Nitrate	11/7/96	28600		ug/L	D	N
299-W23-14	RCRA	Nitrate	2/4/97	31000		ug/L	D	N
299-W23-14	RCRA	Nitrate	5/8/97	24400		ug/L	D	N
299-W23-14	RCRA	Nitrate	8/7/97	16900		ug/L	D	N
299-W23-14	RCRA	Nitrate	11/11/97	19500		ug/L	D	N
299-W23-14	RCRA	pH	2/7/96	8.1		pH		N
299-W23-14	RCRA	pH	2/7/96	8.1		pH		N
299-W23-14	RCRA	pH	2/7/96	8.1		pH		N
299-W23-14	RCRA	pH	2/7/96	8.1		pH		N
299-W23-14	RCRA	pH	8/8/96	7.9		pH		N
299-W23-14	RCRA	pH	8/8/96	7.9		pH		N
299-W23-14	RCRA	pH	8/8/96	7.9		pH		N
299-W23-14	RCRA	pH	8/8/96	7.9		pH		N
299-W23-14	RCRA	pH	11/7/96	8.2		pH		N
299-W23-14	RCRA	pH	2/4/97	8.2		pH		N
299-W23-14	RCRA	pH	5/8/97	8.2		pH		N
299-W23-14	RCRA	pH	8/7/97	8.4		pH		N
299-W23-14	RCRA	pH	11/11/97	8.4		pH		N
299-W23-14	RCRA	Sulfate	2/7/96	13.0		mg/L	D	N
299-W23-14	RCRA	Sulfate	11/7/96	14.0		mg/L	D	N

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W23-14	RCRA	Sulfate	2/4/97	16.8		mg/L		N
299-W23-14	RCRA	Sulfate	5/8/97	16.9		mg/L		N
299-W23-14	RCRA	Sulfate	8/7/97	15.4		mg/L		N
299-W23-14	RCRA	Sulfate	11/11/97	15.4		mg/L		N
299-W23-15	RCRA	Aluminum	2/8/96	31		ug/L	U	Y
299-W23-15	RCRA	Aluminum	11/11/96	59		ug/L	U	Y
299-W23-15	RCRA	Aluminum	2/4/97	34		ug/L	U	Y
299-W23-15	RCRA	Aluminum	5/8/97	20		ug/L	U	Y
299-W23-15	RCRA	Aluminum	8/7/97	68		ug/L	BC	Y
299-W23-15	RCRA	Aluminum	11/11/97	58		ug/L	U	Y
299-W23-15	RCRA	Aluminum	11/11/97	58		ug/L	U	Y
299-W23-15	RCRA	Alkalinity	2/8/96	97.0		mg/L		N
299-W23-15	RCRA	Alkalinity	11/11/96	93.1		mg/L		N
299-W23-15	RCRA	Alkalinity	2/4/97	95.5		mg/L		N
299-W23-15	RCRA	Alkalinity	5/8/97	92.0		mg/L		N
299-W23-15	RCRA	Alkalinity	8/7/97	95.1		mg/L		N
299-W23-15	RCRA	Alkalinity	11/11/97	89.9		mg/L		N
299-W23-15	RCRA	Alkalinity	11/11/97	91.0		mg/L		N
299-W23-15	RCRA	Calcium	2/8/96	20000	3600	ug/L		Y
299-W23-15	RCRA	Calcium	11/11/96	20000		ug/L		Y
299-W23-15	RCRA	Calcium	2/4/97	21500		ug/L	CE	Y
299-W23-15	RCRA	Calcium	5/8/97	22100		ug/L		Y
299-W23-15	RCRA	Calcium	8/7/97	22500		ug/L	C	Y
299-W23-15	RCRA	Calcium	11/11/97	21800		ug/L		Y
299-W23-15	RCRA	Calcium	11/11/97	23000		ug/L		Y
299-W23-15	RCRA	Chloride	2/8/96	2.6		mg/L		N
299-W23-15	RCRA	Chloride	11/11/96	2.3		mg/L		N
299-W23-15	RCRA	Chloride	2/4/97	2.3		mg/L		N
299-W23-15	RCRA	Chloride	5/8/97	2.6		mg/L		N
299-W23-15	RCRA	Chloride	8/7/97	2.7		mg/L	C	N
299-W23-15	RCRA	Chloride	11/11/97	2.6		mg/L	C	N
299-W23-15	RCRA	Chloride	11/11/97	2.4		mg/L	C	N
299-W23-15	RCRA	Conductivity	2/8/96	245		umhos/cm		N
299-W23-15	RCRA	Conductivity	2/8/96	245		umhos/cm		N
299-W23-15	RCRA	Conductivity	2/8/96	245		umhos/cm		N
299-W23-15	RCRA	Conductivity	2/8/96	245		umhos/cm		N
299-W23-15	RCRA	Conductivity	2/27/96	252		umhos/cm		N
299-W23-15	RCRA	Conductivity	8/12/96	251		umhos/cm		N
299-W23-15	RCRA	Conductivity	8/12/96	250		umhos/cm		N
299-W23-15	RCRA	Conductivity	8/12/96	250		umhos/cm		N
299-W23-15	RCRA	Conductivity	8/12/96	250		umhos/cm		N
299-W23-15	RCRA	Conductivity	11/11/96	241		umhos/cm		N
299-W23-15	RCRA	Conductivity	2/4/97	242		umhos/cm		N

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W23-15	RCRA	Conductivity	5/8/97	254		umhos/cm		N
299-W23-15	RCRA	Conductivity	8/7/97	248		umhos/cm		N
299-W23-15	RCRA	Conductivity	11/11/97	250		umhos/cm		N
299-W23-15	RCRA	Chromium	2/8/96	4		ug/L	U	Y
299-W23-15	RCRA	Chromium	11/11/96	4		ug/L	U	Y
299-W23-15	RCRA	Chromium	2/4/97	6		ug/L	B	Y
299-W23-15	RCRA	Chromium	5/8/97	3		ug/L	U	Y
299-W23-15	RCRA	Chromium	8/7/97	4		ug/L	B	Y
299-W23-15	RCRA	Chromium	11/11/97	4		ug/L	U	Y
299-W23-15	RCRA	Chromium	11/11/97	4		ug/L	B	Y
299-W23-15	RCRA	Iron	2/8/96	29	2.6	ug/L	BL	Y
299-W23-15	RCRA	Iron	11/11/96	39		ug/L	C	Y
299-W23-15	RCRA	Iron	2/4/97	79		ug/L	C	Y
299-W23-15	RCRA	Iron	5/8/97	25		ug/L	BC	Y
299-W23-15	RCRA	Iron	8/7/97	46		ug/L	C	Y
299-W23-15	RCRA	Iron	11/11/97	32		ug/L		Y
299-W23-15	RCRA	Iron	11/11/97	43		ug/L		Y
299-W23-15	RCRA	Potassium	2/8/96	3500	735	ug/L		Y
299-W23-15	RCRA	Potassium	11/11/96	4160		ug/L		Y
299-W23-15	RCRA	Potassium	2/4/97	3820		ug/L		Y
299-W23-15	RCRA	Potassium	5/8/97	3280		ug/L		Y
299-W23-15	RCRA	Potassium	8/7/97	3160		ug/L		Y
299-W23-15	RCRA	Potassium	11/11/97	2640		ug/L	U	Y
299-W23-15	RCRA	Potassium	11/11/97	2640		ug/L	U	Y
299-W23-15	RCRA	Magnesium	2/8/96	6700	1410	ug/L		Y
299-W23-15	RCRA	Magnesium	11/11/96	6570		ug/L		Y
299-W23-15	RCRA	Magnesium	2/4/97	7180		ug/L	E	Y
299-W23-15	RCRA	Magnesium	5/8/97	7280		ug/L	C	Y
299-W23-15	RCRA	Magnesium	8/7/97	7360		ug/L	C	Y
299-W23-15	RCRA	Magnesium	11/11/97	7220		ug/L		Y
299-W23-15	RCRA	Magnesium	11/11/97	7650		ug/L		Y
299-W23-15	RCRA	Manganese	2/8/96	1.5	0.23	ug/L	L	Y
299-W23-15	RCRA	Manganese	11/11/96	1.4		ug/L	B	Y
299-W23-15	RCRA	Manganese	2/4/97	4.6		ug/L	B	Y
299-W23-15	RCRA	Manganese	5/8/97	2.0		ug/L	B	Y
299-W23-15	RCRA	Manganese	8/7/97	3.0		ug/L	B	Y
299-W23-15	RCRA	Manganese	11/11/97	2.4		ug/L	B	Y
299-W23-15	RCRA	Manganese	11/11/97	3.3		ug/L	B	Y
299-W23-15	RCRA	Sodium	2/8/96	19000	5130	ug/L		Y
299-W23-15	RCRA	Sodium	11/11/96	17600		ug/L		Y
299-W23-15	RCRA	Sodium	2/4/97	18300		ug/L		Y
299-W23-15	RCRA	Sodium	5/8/97	18700		ug/L		Y
299-W23-15	RCRA	Sodium	8/7/97	18800		ug/L		Y

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W23-15	RCRA	Sodium	11/11/97	18200		ug/L		Y
299-W23-15	RCRA	Sodium	11/11/97	19100		ug/L		Y
299-W23-15	RCRA	Nitrate	2/8/96	11000		ug/L	D	N
299-W23-15	RCRA	Nitrate	11/11/96	15800		ug/L	D	N
299-W23-15	RCRA	Nitrate	2/4/97	15600		ug/L	D	N
299-W23-15	RCRA	Nitrate	5/8/97	16400		ug/L	D	N
299-W23-15	RCRA	Nitrate	8/7/97	16200		ug/L	D	N
299-W23-15	RCRA	Nitrate	11/11/97	15600		ug/L	D	N
299-W23-15	RCRA	Nitrate	11/11/97	14500		ug/L	D	N
299-W23-15	RCRA	pH	2/8/96	8.1		pH		N
299-W23-15	RCRA	pH	2/8/96	8.1		pH		N
299-W23-15	RCRA	pH	2/8/96	8.1		pH		N
299-W23-15	RCRA	pH	2/8/96	8.1		pH		N
299-W23-15	RCRA	pH	2/27/96	7.7		pH		N
299-W23-15	RCRA	pH	8/12/96	8.0		pH		N
299-W23-15	RCRA	pH	8/12/96	8.0		pH		N
299-W23-15	RCRA	pH	8/12/96	8.0		pH		N
299-W23-15	RCRA	pH	8/12/96	8.0		pH		N
299-W23-15	RCRA	pH	8/12/96	8.0		pH		N
299-W23-15	RCRA	pH	11/11/96	8.2		pH		N
299-W23-15	RCRA	pH	2/4/97	8.0		pH		N
299-W23-15	RCRA	pH	5/8/97	7.9		pH		N
299-W23-15	RCRA	pH	8/7/97	8.3		pH		N
299-W23-15	RCRA	pH	11/11/97	7.9		pH		N
299-W23-15	RCRA	Sulfate	2/8/96	12.0		mg/L	D	N
299-W23-15	RCRA	Sulfate	11/11/96	12.1		mg/L		N
299-W23-15	RCRA	Sulfate	2/4/97	12.4		mg/L		N
299-W23-15	RCRA	Sulfate	5/8/97	13.0		mg/L		N
299-W23-15	RCRA	Sulfate	8/7/97	12.9		mg/L		N
299-W23-15	RCRA	Sulfate	11/11/97	13.1		mg/L		N
299-W23-15	RCRA	Sulfate	11/11/97	12.0		mg/L		N
299-W23-1	Non-RCRA	Conductivity	3/11/96	231*		umhos/cm		N
299-W23-1	Non-RCRA	Conductivity	8/28/97	410*		umhos/cm		N
299-W23-1	Non-RCRA	pH	3/11/96	7.9*		pH		N
299-W23-1	Non-RCRA	pH	8/28/97	7.1*		pH		N
299-W23-2	Non-RCRA	Chloride	3/11/96	6.4*	1.2	mg/L		N
299-W23-2	Non-RCRA	Chloride	8/27/97	4.1*		mg/L		N
299-W23-2	Non-RCRA	Conductivity	3/11/96	245*		umhos/cm		N
299-W23-2	Non-RCRA	Conductivity	8/27/97	228*		umhos/cm		N
299-W23-2	Non-RCRA	Nitrate	3/11/96	15000*	3160	ug/L	D	N
299-W23-2	Non-RCRA	Nitrate	8/27/97	7700*		ug/L	D	N
299-W23-2	Non-RCRA	pH	3/11/96	8.3*		pH		N
299-W23-2	Non-RCRA	pH	8/27/97	8.0*		pH		N
299-W23-2	Non-RCRA	Sulfate	3/11/96	15.0*	5.4	mg/L	D	N

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W23-2	Non-RCRA	Sulfate	8/27/97	13.6*		mg/L		N
299-W23-3	Non-RCRA	Aluminum	7/30/97	42		ug/L	BC	Y
299-W23-3	Non-RCRA	Calcium	7/30/97	17700		ug/L	C	Y
299-W23-3	Non-RCRA	Chloride	7/30/97	3.2		mg/L		N
299-W23-3	Non-RCRA	Conductivity	3/11/96	210*		umhos/cm		N
299-W23-3	Non-RCRA	Conductivity	7/30/97	234		umhos/cm		N
299-W23-3	Non-RCRA	Chromium	7/30/97	3		ug/L	U	Y
299-W23-3	Non-RCRA	Iron	7/30/97	142		ug/L	C	Y
299-W23-3	Non-RCRA	Potassium	7/30/97	2060		ug/L		Y
299-W23-3	Non-RCRA	Magnesium	7/30/97	5500		ug/L		Y
299-W23-3	Non-RCRA	Manganese	7/30/97	6.7		ug/L		Y
299-W23-3	Non-RCRA	Sodium	7/30/97	23500		ug/L		Y
299-W23-3	Non-RCRA	Nitrate	7/30/97	8600		ug/L	D	N
299-W23-3	Non-RCRA	pH	3/11/96	7.0*		pH		N
299-W23-3	Non-RCRA	pH	7/30/97	8.4		pH		N
299-W23-3	Non-RCRA	Sulfate	7/30/97	14.2		mg/L		N
299-W23-6	Non-RCRA	Aluminum	7/10/97	26		ug/L	B	Y
299-W23-6	Non-RCRA	Calcium	7/10/97	23900		ug/L	C	Y
299-W23-6	Non-RCRA	Chloride	7/10/97	3.3		mg/L		N
299-W23-6	Non-RCRA	Conductivity	7/10/97	290		umhos/cm		N
299-W23-6	Non-RCRA	Chromium	7/10/97	13		ug/L		Y
299-W23-6	Non-RCRA	Iron	7/10/97	179		ug/L	C	Y
299-W23-6	Non-RCRA	Potassium	7/10/97	2800		ug/L		Y
299-W23-6	Non-RCRA	Magnesium	7/10/97	8170		ug/L	C	Y
299-W23-6	Non-RCRA	Manganese	7/10/97	123		ug/L		Y
299-W23-6	Non-RCRA	Sodium	7/10/97	22900		ug/L		Y
299-W23-6	Non-RCRA	Nitrate	7/10/97	37400		ug/L	D	N
299-W23-6	Non-RCRA	pH	7/10/97	7.6		pH		N
299-W23-6	Non-RCRA	Sulfate	7/10/97	14.0		mg/L	C	N
299-W23-7	Non-RCRA	Aluminum	6/19/96	1400	378	ug/L		N
299-W23-7	Non-RCRA	Aluminum	6/19/96	34	9.2	ug/L	L	Y
299-W23-7	Non-RCRA	Aluminum	6/25/96	630	170	ug/L		N
299-W23-7	Non-RCRA	Aluminum	6/25/96	15		ug/L	U	Y
299-W23-7	Non-RCRA	Calcium	6/19/96	17000	3060	ug/L		N
299-W23-7	Non-RCRA	Calcium	6/19/96	13000	2340	ug/L		Y
299-W23-7	Non-RCRA	Calcium	6/25/96	26000	4680	ug/L		N
299-W23-7	Non-RCRA	Calcium	6/25/96	24000	4320	ug/L		Y
299-W23-7	Non-RCRA	Chloride	3/11/96	14.0*	2.5	mg/L	D	N
299-W23-7	Non-RCRA	Chloride	6/19/96	14.0	2.5	mg/L	D	N
299-W23-7	Non-RCRA	Chloride	6/25/96	12.0	2.2	mg/L	D	N
299-W23-7	Non-RCRA	Chloride	8/27/97	6.7		mg/L	D	N
299-W23-7	Non-RCRA	Conductivity	3/11/96	300*		umhos/cm		N
299-W23-7	Non-RCRA	Conductivity	6/19/96	234		umhos/cm		N

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W23-7	Non-RCRA	Conductivity	6/19/96	236		umhos/cm		N
299-W23-7	Non-RCRA	Conductivity	6/19/96	242		umhos/cm		Y
299-W23-7	Non-RCRA	Conductivity	6/19/96	235		umhos/cm		N
299-W23-7	Non-RCRA	Conductivity	6/25/96	315		umhos/cm		N
299-W23-7	Non-RCRA	Conductivity	6/25/96	326		umhos/cm		Y
299-W23-7	Non-RCRA	Conductivity	6/25/96	284		umhos/cm		N
299-W23-7	Non-RCRA	Conductivity	6/25/96	326		umhos/cm		N
299-W23-7	Non-RCRA	Conductivity	6/25/96	322		umhos/cm		N
299-W23-7	Non-RCRA	Conductivity	8/27/97	160*		umhos/cm		N
299-W23-7	Non-RCRA	Chromium	6/19/96	53	22.3	ug/L		N
299-W23-7	Non-RCRA	Chromium	6/19/96	3	1.2	ug/L	L	Y
299-W23-7	Non-RCRA	Chromium	6/25/96	13	5.5	ug/L		N
299-W23-7	Non-RCRA	Chromium	6/25/96	3	1.2	ug/L	L	Y
299-W23-7	Non-RCRA	Iron	6/19/96	18000	1620	ug/L		N
299-W23-7	Non-RCRA	Iron	6/19/96	94	8.5	ug/L		Y
299-W23-7	Non-RCRA	Iron	6/25/96	9900	890	ug/L		N
299-W23-7	Non-RCRA	Iron	6/25/96	26	2.3	ug/L	L	Y
299-W23-7	Non-RCRA	Potassium	6/19/96	11000	2310	ug/L		N
299-W23-7	Non-RCRA	Potassium	6/19/96	5600	1180	ug/L		Y
299-W23-7	Non-RCRA	Potassium	6/25/96	4800	1010	ug/L		N
299-W23-7	Non-RCRA	Potassium	6/25/96	5000	1050	ug/L		Y
299-W23-7	Non-RCRA	Magnesium	6/19/96	3900	819	ug/L		N
299-W23-7	Non-RCRA	Magnesium	6/19/96	1900	399	ug/L		Y
299-W23-7	Non-RCRA	Magnesium	6/25/96	6200	1300	ug/L		N
299-W23-7	Non-RCRA	Magnesium	6/25/96	5500	1160	ug/L		Y
299-W23-7	Non-RCRA	Manganese	6/19/96	270	40.5	ug/L		N
299-W23-7	Non-RCRA	Manganese	6/19/96	24	3.6	ug/L		Y
299-W23-7	Non-RCRA	Manganese	6/25/96	160	24	ug/L		N
299-W23-7	Non-RCRA	Manganese	6/25/96	19	2.9	ug/L		Y
299-W23-7	Non-RCRA	Sodium	6/19/96	20000	5400	ug/L		N
299-W23-7	Non-RCRA	Sodium	6/19/96	21000	5670	ug/L		Y
299-W23-7	Non-RCRA	Sodium	6/25/96	25000	6750	ug/L		N
299-W23-7	Non-RCRA	Sodium	6/25/96	25000	6750	ug/L		Y
299-W23-7	Non-RCRA	Nitrate	3/11/96	1200 ^{(b)*}	260	ug/L		N
299-W23-7	Non-RCRA	Nitrate	6/19/96	2500 ^(b)	525	ug/L		N
299-W23-7	Non-RCRA	Nitrate	6/25/96	21000	4410	ug/L	D	N
299-W23-7	Non-RCRA	Nitrate	8/27/97	250*		ug/L		N
299-W23-7	Non-RCRA	pH	3/11/96	8.08*		pH		N
299-W23-7	Non-RCRA	pH	6/19/96	7.9		pH		N
299-W23-7	Non-RCRA	pH	6/19/96	8.4		pH		N
299-W23-7	Non-RCRA	pH	6/19/96	8.3		pH		Y
299-W23-7	Non-RCRA	pH	6/19/96	7.7		pH		N
299-W23-7	Non-RCRA	pH	6/25/96	9.2		pH		N

Table B.2. (contd)

Well	Well Standard	Constituent	Date	Result ^(a)	Total Error	Unit	Qualifier	Filtered
299-W23-7	Non-RCRA	pH	6/25/96	9.3		pH		Y
299-W23-7	Non-RCRA	pH	6/25/96	9.2		pH		N
299-W23-7	Non-RCRA	pH	6/25/96	9.3		pH		N
299-W23-7	Non-RCRA	pH	6/25/96	9.3		pH		N
299-W23-7	Non-RCRA	pH	8/27/97	9.3*		pH		N
299-W23-7	Non-RCRA	Sulfate	3/11/96	60000*	21600	ug/L	D	N
299-W23-7	Non-RCRA	Sulfate	6/19/96	33000	11900	ug/L	D	N
299-W23-7	Non-RCRA	Sulfate	6/25/96	41000	14800	ug/L	D	N
299-W23-7	Non-RCRA	Sulfate	8/27/97	21.5*		mg/L	D	N
299-W23-9	Non-RCRA	Chloride	5/22/96	3.0	0.5	mg/L		N
299-W23-9	Non-RCRA	Chloride	8/12/97	5.8		mg/L	CD	N
299-W23-9	Non-RCRA	Conductivity	5/22/96	295		umhos/cm		N
299-W23-9	Non-RCRA	Conductivity	8/12/97	381		umhos/cm		N
299-W23-9	Non-RCRA	Nitrate	5/22/96	42000	8820	ug/L	D	N
299-W23-9	Non-RCRA	Nitrate	8/12/97	129700		ug/L	D	N
299-W23-9	Non-RCRA	pH	5/22/96	7.9		pH		N
299-W23-9	Non-RCRA	pH	8/12/97	7.8		pH		N
299-W23-9	Non-RCRA	Sulfate	5/22/96	14.0	5.0	mg/L	D	N
299-W23-9	Non-RCRA	Sulfate	8/12/97	15.1		mg/L		N

(a) Excluding results of ICP metals (aluminum, calcium, chromium, iron, potassium, maganese, magnesium, and sodium) on filtered samples collected on 5/13/97 and analyzed on 6/2/97 (i.e., outliers).

(b) Decimal point error suspected, data currently under review.

*Bailed sample.

Table B.3. Calculated Fiscal Year 97 Limit of Detection and Limit of Quantitation for Radionuclides and Chemical Constituents of Interest for S-SX WMA

Constituent	Limit of Detection ^(a,b) (LOD)	Limit of Quantitation ^(a,b) (LOQ)
Radionuclides ^(d) :		
Gross Alpha	0.5	1.7
Gross Beta	3.4	11.2
Tritium	324	1,080
Cobalt-60	6.2	20.5
Strontium-90	0.24	0.78
Technetium-99	6.6	21.9
Iodine-129	1.1	3.8
Cesium-137	6.4 ^(c)	21.3 ^(c)
Uranium	0.02	0.07
Chemical Constituents ^(e) :		
Aluminum	36	120
Nitrate (as NO ₃)	12	40
Chromium	3.2	10.8

- (a) LOD/LOQ for radionuclides were determined based on FY 1997 field blanks calculated as:
 $LOD = 3*S_b$ and $LOQ = 10*S_b$, where S_b is the blank standard deviation.
- (b) LOD/LOQ for chemical constituents were determined based on 1997 method detection limits calculated
as: $LOD = 4.24*S_s$ and $LOQ = 14.14*S_s$, where S_s is the standard deviation for the low-level standards.
- (c) Low level method yields detection/quantitation limit approximately 4 times lower than indicated.
- (d) In pCi/L, except for uranium which is measured in µg/L.
- (e) In µg/L.