Appendix 2. Quality Assurance and Quality Control Data for Chemical Analyses

Table A2-1. Results of EPA's Performance Evaluations WP036 (A2-1a), WP037 (A2-1b), and WP038 (A2-1c) for the USGS's National Water Quality Laboratory.

Table A2-2. Results of laboratory and field blanks for water sample processing.

Table A2-3. Observed metal concentrations and percentage recovery in biological reference materials processed using the same methods as caddisfly samples.

Table A2-4. Procedural blanks for caddisfly samples collected from the Sacramento River and Cottonwood Creek, October 21–23, 1996.

Table A2-5. Concentration data for standard reference materials.

Table A2–1a. Results of EPA's Performance Evaluation WP036 for the USGS's National Water Quality Laboratory

[*, Based on gravimetric calculations or a reference value when necessary; TDS, total dissolved solids. °C, degree Celsius]

Constituent	Reported value	True value*	Acceptance limits	Warning limits	Performance evaluation
Trace metals (micrograms/liter)					
Aluminum	3,602	3,609	3,130–4,040	3,250–3,920	Acceptable
Cadmium	130	131	113–148	117–144	Acceptable
Copper	564	552	515–618	528–605	Acceptable
Iron	831	790	715–934	742–906	Acceptable
Mercury	4.58	4.7	3.53–5.91	3.83–5.61	Acceptable
Lead	371	375	332–429	344–417	Acceptable
Zinc	1,187	1,203	1,100–1,370	1,140–1,340	Acceptable
Major ions (milligrams/liter)					
TDS at 180°C	142	148	104–187	114–177	Acceptable
Calcium	16.6	17	14.8–19.5	15.4–18.9	Acceptable
Magnesium	1.17	1.2	0.983–1.42	1.04–1.37	Acceptable
Sodium	7.47	7.46	6.55–9.17	6.88–8.85	Acceptable
Potassium	34.5	33.1	30.5–37.5	31.4–36.6	Acceptable
Alkalinity (as $CaCO_3$)	13.6	13	9.69–16.8	10.6–15.9	Acceptable
Chloride	34.6	34.8	30.8–38.4	31.8–37.4	Acceptable
Fluoride	0.21	0.21	0.153–0.27	0.168–0.255	Acceptable
Sulfate	43.4	44	36.4–49.1	37.9–47.5	Acceptable
Nutrients (milligrams/liter)					
Ammonia–nitrogen	10.2	10	8.05–12	8.52–11.5	Acceptable
Nitrate–nitrogen	2.32	2.1	1.73–2.48	1.82–2.39	Acceptable
Orthophosphate	0.993	0.88	0.768–1.02	0.798–0.988	Warning[1]
Kjeldahl–nitrogen	8.78	8.9	6.62–10.9	7.13–10.4	Acceptable
Total Phosphorous	3.06	2.9	2.46–3.43	2.58–3.31	Acceptable

[1]The orthophosphate quality control samples were within range, but the test sample was diluted 1 to 10. This dilution was too large resulting in the values being at the low end of the reporting range. This added variability to the results. Analysts were cautioned that the measured results should be at mid-range or higher.

Table A2–1b. Results of EPA's Performance Evaluation WP037 for the USGS's National Water Quality Laboratory

[*, Based on gravimetric calculations or a reference value when necessary; TDS, total dissolved solids. °C, degree Celsius]

Constituent	Reported value	True value*	Acceptance limits	Warning limits	Performance evaluation
Trace metals (micrograms/liter)					
Aluminum	1,160	1,203	1,030–1,360	1,070–1,310	Acceptable
Cadmium	21.5	22.2	18.3–26.4	19.4–25.4	Acceptable
Copper	112	115	102–128	105–124	Acceptable
Iron	399	393	350–445	362–433	Acceptable
Mercury	0.45	0.494	0.266–0.729	0.324–0.671	Acceptable
Lead	128	130	109–147	114–143	Acceptable
Zinc	290	296	263–332	272–323	Acceptable
Major ions (milligrams/liter)					
TDS at 180 °C	607	685	461–932	521–872	Acceptable
Calcium	67.4	66	61–73.2	62.5–71.6	Acceptable
Magnesium	36.4	37	33.7–40	34.5–39.2	Acceptable
Sodium	90.5	92.2	85.1–101	87.1–98.6	Acceptable
Potassium	16.7	17	14.6–19.8	15.3–19.2	Acceptable
Total alkali	92	91	82.2–99	84.3–96.9	Acceptable
Chloride	228	226	207–250	212–244	Acceptable
Fluoride	2.59	2.6	2.25–2.92	2.34–2.84	Acceptable
Sulfate	118	118	99.9–138	105–133	Acceptable
Nutrients (milligrams/liter)					
Ammonia–nitrogen	0.277	0.261	0.12–0.444	0.159–0.405	Acceptable
Nitrate–nitrogen	0.608	0.62	0.47–0.756	0.504–0.722	Acceptable
Orthophosphate	5.94	5.5	4.84–6.25	5.01–6.09	Acceptable
Kjeldahl–nitrogen	2.82	2.6	1.72–3.53	1.94–3.31	Acceptable
Total Phosphorous	7.95	7	5.99–8.24	6.26–7.97	Acceptable

Table A2–1c. Results of EPA's Performance Evaluation WP038 for the USGS's National Water Quality Laboratory

[*, Based on gravimetric calculations or a reference value when necessary; NO_2+NO_3, nitrite plus nitrate; NWQL, National Water Quality Laboratory. mg/L, milligram per liter]

Constituent	Reported value	True value*	Acceptance limits	Performance evaluation
Trace metals (micrograms/liter)				
Cadmium	29.7	28.5	22.8–34.2	Acceptable
Copper	510	490	441–539	Acceptable
Lead	17.4	16	11.2–20.8	Acceptable
Mercury	3.3	3.8	2.66–4.94	Acceptable
Zinc	781	760	706–824	Acceptable
Nutrients/fluoride (milligrams/liter)				
Nitrate as nitrogen	9.52	9.5	8.55–10.5	Acceptable
Fluoride	2.78	2.9	2.61–3.19	Acceptable
Nitrite as nitrogen	0.68	0.82	0.697–0.943	Not acceptable[1]
Orthophosphate as phosphorus	1.66	1.6	1.43–1.77	Acceptable

[1]The reported value was 0. 68 mg/L; the true value was reported to be 0.820 mg/L and the acceptance range was 0.697–0.943 mg/L. At the NWQL, nitrite is analyzed simultaneously with the nitrate + nitrite analysis, and for WS039, the NO_2 + NO_3 sample had to be diluted. This diluted value was reported instead of the nondiluted value. The operator and future operators will be instructed that the value of the nondiluted sample or smallest dilution is to be used.

Table A2-2. Results of laboratory and field blanks for water sample processing

[Explanation:
Source water for all blanks was double deionized Type 1 [18 MΩ-cm (megohm-centimeters)] water generated with a Milli-Q system. All analyses were done by ICP–MS (inductively coupled plasma-mass spectrometry) unless indicated otherwise. Water used to generate field blanks was double deionized water generated in the laboratory (same Type 1) and carried into the field in acid-cleaned, high-density polyethylene (HDPE) jerrycans. Labels under the heading 'Blank Type' indicate whether the blank sample was generated and processed in the laboratory (Lab Blank) or if the blank sample was generated at a field sampling site (Field Blank) and then processed either in the field or in the laboratory. The 'Process Type' heading indicates the type of processing or processing step to which the blank was subjected. A key to the abbreviations is listed below:

DIW	deionized water; blanks preserved in the same ultrahigh purity 1 percent nitric acid (HNO_3) (Kuehner and others, 1972) used to preserve the samples
8LCh	8-L polytetrafluoroethylene (PTFE, or Teflon)-coated churn used for compositing, subsampling, and transporting the sample from field to laboratory during the specified sampling period
MemF	0.40 μm pore-size polycarbonate membrane filter process (Nuclepore)
CapF	0.45 μm pore-size polyethersulfone capsule filter process (Gelman)
UF1	0.005 μm equivalent pore-size tangential-flow ultrafilter (Minitan) with a low-binding regenerated cellulose memabrane of 240 cm^2 [Millipore Corp. model PLGCOMP04, 10,000 daltons, or normal molecular weight limit (NMWL)] used only to process samples from expected low concentration sites
UF2	0.005 μm equivalent pore-size tangential-flow ultrafilter (Minitan) with a low-binding regenerated cellulose memabrane of 240 cm^2 (Millipore model PLGCOMP04, 10,000 NMWL) used to process samples from expected high concentration sites
UF3	0.005 μm equivalent pore-size tangential-flow ultrafilter (Pellicon) with a regenerated cellulose memabrane of 7,440 cm^2 (Millipore Corp. model PLGC, 10,000 NMWL) used only to isolate suspended sediment samples
HgP	deionized water preserved in the same potassium dichromate/nitric acid ($K_2Cr_2O_7/HNO_3$) solution used to preserve the mercury samples
20LCh	20-L PTFE-coated churn used for compositing, subsampling, and transporting the sample from field to laboratory during the specified sampling period
THB	PTFE holding bottle blank used to hold subsample from churn for samples filtered through the 0.40 μm pore-size polycarbonate membrane filter
20LCh-1	20-L PTFE-coated churn (1 of 6) used for compositing, subsampling, and transporting the sample from field to laboratory
20LCh-2	20-L PTFE-coated churn (2 of 6) used for compositing, subsampling, and transporting the sample from field to laboratory
20LCh-3	20-L PTFE-coated churn (3 of 6) used for compositing, subsampling, and transporting the sample from field to laboratory
20LCh-4	20-L PTFE-coated churn (4 of 6) used for compositing, subsampling, and transporting the sample from field to laboratory
20LCh-5	20-L PTFE-coated churn (5 of 6) used for compositing, subsampling, and transporting the sample from field to laboratory
20LCh-6	20-L PTFE-coated churn (6 of 6) used for compositing, subsampling, and transporting the sample from field to laboratory
25LCb	25-L HDPE carboy used to transport sample water from the field to the laboratory for the suspended sediment (colloid) sample
UFVP	0.005 μm equivalent pore-size tangential-flow ultrafilter (240 cm^2); collected only during the May/June sampling event to determine if carryover from the "Sacramento River at Verona" sample affected the "Yolo Bypass at I-80 near West Sacramento" sample
JyCn	12-L PTFE-coated HDPE jerrycan used to transport sample water from field to the laboratory
SCDI	deionized water that was carried into the field to the "Spring Creek below Spring Creek Debris Dam near Keswick" site, preserved in the same high purity 1 percent HNO_3 used to preserve the samples
SCADI	deionized water that was carried into the field to the "Keswick Reservoir, Spring Creek arm, near Keswick" site, preserved in the same high purity 1 percent HNO_3 used to preserve the samples
TfTb	PTFE tubing used to collect sample water at selected sites; the length of tubing contained a 25-cm section of either silicone or neoprene tubing through the pump head of the peristaltic pump
Grab	3-L PTFE bottle used to collect a grab sample from the center of the stream channel.

Numbers in parentheses in the column "Process Type" (for example, 1/1) indicate whether multiple samples were collected for that sampling period (second number) and which replicate they represent (first number). mm/dd/yy, month/day/year; ICP–AES, inductively coupled plasma-atomic emission spectrometry; NMWL, nominal molecular weight limit; PTFE, polytetrafluoroethylene; UV–vis, ultraviolet visible spectroscopy. —, no sample collected for specified analysis; comp., composite sample; na, no data available; <, less than indicated detection limit. cm, centimeter; cm^2, square centimenter; L, liter; mm, millimeter; μg/L, microgram per liter; μm, micrometer]

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Aluminum µg/L	Antimony µg/L	Arsenic µg/L	Barium µg/L
Lab Blank	DIW (1/1)	07/10/96	< 0.11 ± 0.04	< 0.012 ± 0.001	< 0.03 ± 0.01	< 0.011 ± 0.006
Lab Blank	8LCh (1/1)	07/10/96	0.80 ± 0.02	< 0.012 ± 0.002	< 0.03 ± 0.01	0.050 ± 0.042
Lab Blank	MemF (1/1)	07/10/96	0.70 ± 0.08	< 0.012 ± 0.004	< 0.03 ± 0.01	< 0.011 ± 0.008
Lab Blank	CapF (1/1)	07/10/96	< 0.11 ± 0.01	< 0.012 ± 0.004	< 0.03 ± 0.01	< 0.011 ± 0.003
Lab Blank	UF1 (1/1)	07/10/96	0.43 ± 0.05	< 0.007 ± 0.004	< 0.02 ± 0.00	0.050 ± 0.003
Lab Blank	UF2 (1/1)	07/10/96	< 0.11 ± 0.08	< 0.012 ± 0.000	< 0.03 ± 0.01	0.026 ± 0.005
Lab Blank	UF3 (1/1)	07/12/96	0.47 ± 0.11	< 0.007 ± 0.001	< 0.02 ± 0.01	0.051 ± 0.001
Lab Blank	HgP (1/1)	07/12/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	07/17/96	< 0.11 ± 0.07	< 0.012 ± 0.002	< 0.03 ± 0.00	< 0.011 ± 0.002
Field Blank	8LCh (1/1)	07/17/96	0.53 ± 0.07	< 0.007 ± 0.002	< 0.02 ± 0.01	0.022 ± 0.800
Field Blank	MemF (1/1)	07/17/96	0.38 ± 0.16	< 0.007 ± 0.001	< 0.02 ± 0.02	< 0.011 ± 0.166
Field Blank	CapF (1/1)	07/17/96	0.11 ± 0.09	< 0.012 ± 0.003	< 0.03 ± 0.01	0.034 ± 0.003
Field Blank	UF2 (1/1)	07/17/96	< 0.11 ± 0.01	< 0.012 ± 0.002	< 0.03 ± 0.01	0.052 ± 0.005
Field Blank	UF3 (1/1)	07/17/96	0.13 ± 0.11	< 0.012 ± 0.000	< 0.03 ± 0.01	< 0.011 ± 0.001
Field Blank	HgP (1/1)	07/17/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	09/18/96	0.11 ± 0.04	< 0.006 ± 0.008	< 0.06 ± 0.01	< 0.005 ± 0.007
Lab Blank	20LCh (1/1)	09/18/96	0.41 ± 0.02	0.019 ± 0.002	< 0.05 ± 0.02	0.017 ± 0.004
Lab Blank	MemF (1/1)	09/18/96	0.83 ± 0.06	< 0.014 ± 0.001	< 0.03 ± 0.04	0.014 ± 0.005
Lab Blank	CapF (1/1)	09/18/96	0.13 ± 0.02	< 0.014 ± 0.002	< 0.03 ± 0.02	0.037 ± 0.004
Lab Blank	UF2 (1/1)	09/18/96	0.15 ± 0.04	0.019 ± 0.005	< 0.05 ± 0.05	0.029 ± 0.006
Lab Blank	UF3 (1/1)	09/18/96	0.26 ± 0.04	< 0.006 ± 0.001	< 0.06 ± 0.01	0.008 ± 0.002
Lab Blank	THB (1/1)	09/18/96	0.31 ± 0.03	< 0.014 ± 0.001	< 0.03 ± 0.02	0.015 ± 0.003
Lab Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	09/18/96	0.12 ± 0.02	< 0.006 ± 0.006	< 0.06 ± 0.01	0.011 ± 0.002
Field Blank	20LCh (1/1)	09/18/96	0.23 ± 0.02	< 0.014 ± 0.003	< 0.03 ± 0.04	0.008 ± 0.002
Field Blank	MemF (1/1)	09/18/96	0.17 ± 0.03	< 0.006 ± 0.005	< 0.06 ± 0.03	0.007 ± 0.001
Field Blank	CapF (1/1)	09/18/96	0.06 ± 0.03	< 0.014 ± 0.007	< 0.03 ± 0.04	0.007 ± 0.002
Field Blank	UF2 (1/1)	09/18/96	0.28 ± 0.04	< 0.006 ± 0.004	< 0.06 ± 0.03	0.009 ± 0.002
Field Blank	UF3 (1/1)	09/18/96	1.2 ± 0.1	< 0.014 ± 0.005	< 0.03 ± 0.00	0.016 ± 0.001
Field Blank	THB (1/1)	09/18/96	0.15 ± 0.05	< 0.014 ± 0.007	< 0.03 ± 0.02	0.009 ± 0.007
Field Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	11/13/96	0.20 ± 0.08	< 0.03 ± 0.01	< 0.09 ± 0.03	< 0.05 ± 0.02
Lab Blank	8LCh (1/1)	11/13/96	0.97 ± 0.06	< 0.03 ± 0.00	< 0.09 ± 0.02	< 0.05 ± 0.02
Lab Blank	MemF (1/1)	11/13/96	0.73 ± 0.18	< 0.03 ± 0.00	< 0.09 ± 0.03	< 0.05 ± 0.01

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Aluminum µg/L	Antimony µg/L	Arsenic µg/L	Barium µg/L
Lab Blank	CapF (1/1)	11/14/96	0.28 ± 0.07	< 0.03 ± 0.00	< 0.09 ± 0.02	< 0.05 ± 0.00
Lab Blank	UF2 (1/1)	11/13/96	0.19 ± 0.02	< 0.03 ± 0.00	< 0.09 ± 0.02	< 0.05 ± 0.02
Lab Blank	UF3 (1/1)	11/13/96	0.58 ± 0.01	< 0.03 ± 0.02	< 0.09 ± 0.01	< 0.05 ± 0.01
Lab Blank	THB (1/1)	11/13/96	0.40 ± 0.15	< 0.03 ± 0.00	< 0.09 ± 0.02	< 0.05 ± 0.00
Lab Blank	HgP (1/1)	11/13/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	11/20/96	< 0.11 ± 0.01	< 0.03 ± 0.01	< 0.09 ± 0.04	< 0.05 ± 0.01
Field Blank	8LCh (1/1)	11/20/96	< 0.11 ± 0.00	< 0.03 ± 0.00	< 0.09 ± 0.02	< 0.05 ± 0.01
Field Blank	MemF (1/1)	11/20/96	0.11 ± 0.06	< 0.03 ± 0.00	< 0.09 ± 0.03	< 0.05 ± 0.02
Field Blank	CapF (1/1)	11/20/96	< 0.05 ± 0.00	< 0.03 ± 0.00	< 0.09 ± 0.02	< 0.05 ± 0.00
Field Blank	UF1 (1/1)	11/20/96	< 0.05 ± 0.05	< 0.03 ± 0.01	< 0.09 ± 0.04	< 0.05 ± 0.01
Field Blank	UF3 (1/1)	11/20/96	< 0.11 ± 0.11	< 0.03 ± 0.00	< 0.09 ± 0.02	< 0.05 ± 0.00
Field Blank	THB (1/1)	11/20/96	0.98 ± 0.04	< 0.03 ± 0.01	< 0.09 ± 0.02	< 0.05 ± 0.03
Field Blank	CapF (1/1)	11/20/96	0.07 ± 0.03	< 0.03 ± 0.00	< 0.09 ± 0.01	< 0.05 ± 0.02
Field Blank	HgP (1/1)	11/20/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	12/16/96	< 0.05 ± 0.03	< 0.015 ± 0.002	< 0.04 ± 0.00	< 0.007 ± 0.008
Lab Blank	MemF (1/1)	12/16/96	0.11 ± 0.02	< 0.015 ± 0.009	< 0.04 ± 0.04	0.011 ± 0.016
Lab Blank	CapF (1/1)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	HgP (1/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	UF1 (1/1)	12/16/96	0.16 ± 0.19	< 0.015 ± 0.002	0.06 ± 0.01	0.013 ± 0.005
Lab Blank	UF3 (1/1)	12/16/96	0.15 ± 0.04	< 0.015 ± 0.003	< 0.04 ± 0.01	< 0.007 ± 0.002
Lab Blank	THB (1/1)	12/16/96	0.17 ± 0.08	< 0.015 ± 0.007	< 0.04 ± 0.01	< 0.007 ± 0.005
Lab Blank	20LCh-1 (1/1)	12/16/96	0.17 ± 0.06	< 0.015 ± 0.002	< 0.04 ± 0.00	< 0.007 ± 0.003
Lab Blank	20LCh-2 (1/1)	12/16/96	0.19 ± 0.12	0.021 ± 0.002	< 0.04 ± 0.00	< 0.007 ± 0.003
Lab Blank	20LCh-3 (1/1)	12/16/96	0.98 ± 0.12	< 0.015 ± 0.000	< 0.04 ± 0.01	0.026 ± 0.005
Lab Blank	20LCh-4 (1/1)	12/16/96	0.09 ± 0.02	< 0.015 ± 0.001	< 0.04 ± 0.00	< 0.007 ± 0.003
Lab Blank	20LCh-5 (1/1)	12/16/96	0.43 ± 0.18	< 0.015 ± 0.001	< 0.04 ± 0.01	0.024 ± 0.011
Lab Blank	20LCh-6 (1/1)	12/16/96	0.17 ± 0.08	< 0.015 ± 0.004	< 0.04 ± 0.01	0.007 ± 0.006
Lab Blank	UF1 (1/1)	12/16/96	< 0.05 ± 0.03	< 0.015 ± 0.004	< 0.04 ± 0.01	< 0.007 ± 0.005
Lab Blank	HgP (2/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	12/17/96	0.42 ± 0.01	< 0.015 ± 0.000	< 0.04 ± 0.02	0.007 ± 0.017
Field Blank	8LCh (1/1)	12/17/96	0.54 ± 0.01	< 0.015 ± 0.003	< 0.04 ± 0.00	0.015 ± 0.003
Field Blank	MemF (1/1)	12/17/96	0.23 ± 0.03	< 0.015 ± 0.003	< 0.04 ± 0.01	0.040 ± 0.013
Field Blank	CapF (1/1)	12/17/96	0.23 ± 0.20	< 0.015 ± 0.004	< 0.04 ± 0.01	0.018 ± 0.009
Field Blank	UF2 (1/1)	12/17/96	0.09 ± 0.03	< 0.015 ± 0.014	0.20 ± 0.01	0.073 ± 0.016
Field Blank	THB (1/1)	12/17/96	2.14 ± 0.34	< 0.015 ± 0.011	< 0.04 ± 0.01	0.075 ± 0.019
Lab Blank	DIW (1/1)	01/06/97	< 0.04 ± 0.02	< 0.015 ± 0.002	< 0.04 ± 0.01	< 0.02 ± 0.00

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Aluminum µg/L	Antimony µg/L	Arsenic µg/L	Barium µg/L
Lab Blank	UF1 (1/1)	01/05/97	< 0.05 ± 0.01	< 0.015 ± 0.005	0.06 ± 0.02	< 0.02 ± 0.01
Lab Blank	MemF (1/1)	01/06/97	0.07 ± 0.01	< 0.015 ± 0.003	< 0.03 ± 0.00	< 0.02 ± 0.00
Lab Blank	CapF (1/1)	01/06/97	0.1 ± 0.0	< 0.008 ± 0.005	< 0.04 ± 0.01	0.027 ± 0.009
Lab Blank	UF2 (1/2)	01/06/97	< 0.05 ± 0.01	< 0.015 ± 0.003	0.11 ± 0.03	< 0.02 ± 0.00
Lab Blank	UF2 (2/2)	01/06/97	0.11 ± 0.02	< 0.02 ± 0.00	0.09 ± 0.04	< 0.03 ± 0.01
Lab Blank	UF3 (1/1)	01/06/97	66 ± 1	< 0.015 ± 0.002	0.08 ± 0.01	0.54 ± 0.00
Lab Blank	THB (1/1)	01/06/97	0.09 ± 0.07	< 0.015 ± 0.004	< 0.03 ± 0.01	< 0.02 ± 0.00
Lab Blank	25LCb (1/1)	01/06/97	< 0.05 ± 0.01	< 0.015 ± 0.003	< 0.03 ± 0.02	< 0.02 ± 0.00
Lab Blank	DIW (1/1)	01/06/97	1.27 ± 0.01	< 0.015 ± 0.005	< 0.03 ± 0.01	< 0.02 ± 0.00
Lab Blank	HgP (1/1)	01/06/97	— ± —	— ± —	— ± —	— ± —
Field Blank	THB (1/1)	01/06/97	0.09 ± 0.01	< 0.015 ± 0.003	< 0.03 ± 0.01	< 0.02 ± 0.00
Lab Blank	UF2 (1/1)	05/28/97	< 0.1 ± 0.1	< 0.008 ± 0.005	< 0.04 ± 0.01	0.025 ± 0.007
Lab Blank	UF3 (1/1)	05/28/97	5.3 ± 0.2	< 0.008 ± 0.006	< 0.04 ± 0.04	0.053 ± 0.007
Lab Blank	THB (1/1)	05/28/97	0.5 ± 0.0	< 0.008 ± 0.004	< 0.04 ± 0.01	0.026 ± 0.004
Lab Blank	HgP (1/1)	05/28/97	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/2)	06/05/97	0.5 ± 0.0	< 0.008 ± 0.004	< 0.04 ± 0.02	0.014 ± 0.002
Field Blank	DIW (2/2)	06/05/97	0.9 ± 0.0	< 0.008 ± 0.010	< 0.04 ± 0.02	0.019 ± 0.006
Field Blank	CapF (1/3)	06/05/97	< 0.1 ± 0.0	< 0.008 ± 0.006	< 0.04 ± 0.03	< 0.008 ± 0.002
Field Blank	UFVP (1/1)	06/05/97	< 0.1 ± 0.0	< 0.008 ± 0.002	< 0.04 ± 0.01	0.018 ± 0.004
Field Blank	JyCn (1/1)	06/05/97	1.9 ± 0.0	< 0.008 ± 0.010	< 0.04 ± 0.01	0.034 ± 0.007
Field Blank	CapF (2/3)	06/05/97	0.11 ± 0.06	< 0.01 ± 0.00	< 0.03 ± 0.01	0.02 ± 0.01
Field Blank	CapF (3/3)	06/05/97	0.09 ± 0.03	< 0.01 ± 0.00	< 0.03 ± 0.00	0.03 ± 0.01
Field Blank	SCDI (1/1)	06/05/97	0.23 ± 0.09	< 0.01 ± 0.01	< 0.03 ± 0.01	< 0.01 ± 0.01
Field Blank	SCADI (1/1)	06/05/97	0.24 ± 0.06	< 0.01 ± 0.01	< 0.03 ± 0.02	0.01 ± 0.00
Field Blank	TfTb (1/1)	06/05/97	< 0.06 ± 0.06	< 0.01 ± 0.01	< 0.03 ± 0.01	0.02 ± 0.03
Lab Blank	DIW (1/1)	05/28/97	< 0.1 ± 0.0	< 0.008 ± 0.001	< 0.04 ± 0.02	< 0.008 ± 0.000
Lab Blank	MemF (1/1)	05/28/97	0.1 ± 0.0	< 0.008 ± 0.005	< 0.04 ± 0.02	0.015 ± 0.003
Lab Blank	CapF (1/1)	05/28/97	< 0.1 ± 0.0	< 0.008 ± 0.005	< 0.04 ± 0.03	< 0.008 ± 0.000

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Beryllium µg/L	Bismuth µg/L	Boron µg/L	Cadmium µg/L
Lab Blank	DIW (1/1)	07/10/96	< 0.01 ± 0.002	< 0.005 ± 0.001	1.9 ± 0.2	< 0.004 ± 0.003
Lab Blank	8LCh (1/1)	07/10/96	< 0.01 ± 0.003	< 0.005 ± 0.000	1.7 ± 0.2	0.006 ± 0.001
Lab Blank	MemF (1/1)	07/10/96	< 0.01 ± 0.001	< 0.005 ± 0.000	1.8 ± 0.8	0.006 ± 0.001
Lab Blank	CapF (1/1)	07/10/96	< 0.01 ± 0.004	< 0.005 ± 0.000	1.7 ± 0.4	< 0.004 ± 0.003
Lab Blank	UF1 (1/1)	07/10/96	< 0.018 ± 0.002	< 0.005 ± 0.002	1.8 ± 0.2	0.010 ± 0.001
Lab Blank	UF2 (1/1)	07/10/96	< 0.01 ± 0.003	< 0.005 ± 0.000	2.1 ± 0.8	< 0.004 ± 0.005
Lab Blank	UF3 (1/1)	07/12/96	< 0.018 ± 0.007	< 0.005 ± 0.002	2.7 ± 0.3	0.009 ± 0.002
Lab Blank	HgP (1/1)	07/12/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	07/17/96	< 0.01 ± 0.003	< 0.005 ± 0.000	1.7 ± 0.3	< 0.004 ± 0.002
Field Blank	8LCh (1/1)	07/17/96	< 0.018 ± 0.005	< 0.005 ± 0.002	1.8 ± 0.6	0.048 ± 0.003
Field Blank	MemF (1/1)	07/17/96	< 0.018 ± 0.004	< 0.005 ± 0.003	2.0 ± 0.6	< 0.006 ± 0.003
Field Blank	CapF (1/1)	07/17/96	< 0.01 ± 0.003	< 0.005 ± 0.001	1.6 ± 0.2	0.005 ± 0.002
Field Blank	UF2 (1/1)	07/17/96	< 0.01 ± 0.001	< 0.005 ± 0.002	1.7 ± 0.6	< 0.004 ± 0.000
Field Blank	UF3 (1/1)	07/17/96	< 0.01 ± 0.004	< 0.005 ± 0.000	2.5 ± 0.6	< 0.004 ± 0.001
Field Blank	HgP (1/1)	07/17/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	09/18/96	< 0.03 ± 0.02	< 0.006 ± 0.002	2.2 ± 0.7	< 0.007 ± 0.004
Lab Blank	20LCh (1/1)	09/18/96	< 0.013 ± 0.010	< 0.01 ± 0.002	1.6 ± 0.3	< 0.007 ± 0.004
Lab Blank	MemF (1/1)	09/18/96	< 0.017 ± 0.021	< 0.006 ± 0.000	3 ± 3	< 0.007 ± 0.003
Lab Blank	CapF (1/1)	09/18/96	< 0.017 ± 0.010	< 0.006 ± 0.001	3 ± 1	< 0.007 ± 0.005
Lab Blank	UF2 (1/1)	09/18/96	< 0.013 ± 0.010	< 0.01 ± 0.001	4.5 ± 2.2	< 0.007 ± 0.005
Lab Blank	UF3 (1/1)	09/18/96	< 0.03 ± 0.00	< 0.006 ± 0.002	2.1 ± 0.3	< 0.007 ± 0.002
Lab Blank	THB (1/1)	09/18/96	< 0.017 ± 0.006	< 0.006 ± 0.000	3 ± 3	< 0.007 ± 0.005
Lab Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	09/18/96	< 0.03 ± 0.01	< 0.006 ± 0.002	2.6 ± 1.0	< 0.007 ± 0.005
Field Blank	20LCh (1/1)	09/18/96	< 0.017 ± 0.008	< 0.006 ± 0.001	< 2 ± 0	< 0.007 ± 0.005
Field Blank	MemF (1/1)	09/18/96	< 0.03 ± 0.00	< 0.006 ± 0.001	1.2 ± 0.2	< 0.007 ± 0.005
Field Blank	CapF (1/1)	09/18/96	< 0.017 ± 0.014	< 0.006 ± 0.000	4 ± 3	0.008 ± 0.002
Field Blank	UF2 (1/1)	09/18/96	< 0.03 ± 0.03	< 0.006 ± 0.002	2.3 ± 0.7	< 0.007 ± 0.005
Field Blank	UF3 (1/1)	09/18/96	0.018 ± 0.002	< 0.006 ± 0.001	3 ± 1	< 0.007 ± 0.004
Field Blank	THB (1/1)	09/18/96	< 0.017 ± 0.013	< 0.006 ± 0.002	5 ± 4	< 0.007 ± 0.003
Field Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	11/13/96	< 0.03 ± 0.00	< 0.008 ± 0.001	2 ± 0	< 0.012 ± 0.001
Lab Blank	8LCh (1/1)	11/13/96	< 0.03 ± 0.03	< 0.008 ± 0.001	< 2 ± 0	< 0.012 ± 0.006
Lab Blank	MemF (1/1)	11/13/96	< 0.03 ± 0.02	< 0.008 ± 0.002	< 2 ± 1	< 0.012 ± 0.004

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Beryllium µg/L	Bismuth µg/L	Boron µg/L	Cadmium µg/L
Lab Blank	CapF (1/1)	11/14/96	< 0.03 ± 0.02	< 0.008 ± 0.001	< 2 ± 0	< 0.012 ± 0.002
Lab Blank	UF2 (1/1)	11/13/96	< 0.03 ± 0.02	< 0.008 ± 0.000	< 2 ± 0	< 0.012 ± 0.001
Lab Blank	UF3 (1/1)	11/13/96	< 0.03 ± 0.03	< 0.008 ± 0.001	< 2 ± 1	< 0.012 ± 0.001
Lab Blank	THB (1/1)	11/13/96	< 0.03 ± 0.02	< 0.008 ± 0.001	< 2 ± 1	< 0.012 ± 0.001
Lab Blank	HgP (1/1)	11/13/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	11/20/96	< 0.03 ± 0.02	< 0.008 ± 0.000	< 2 ± 0	< 0.012 ± 0.002
Field Blank	8LCh (1/1)	11/20/96	< 0.03 ± 0.02	< 0.008 ± 0.000	< 2 ± 0	< 0.012 ± 0.002
Field Blank	MemF (1/1)	11/20/96	< 0.03 ± 0.02	< 0.008 ± 0.001	< 2 ± 1	< 0.012 ± 0.003
Field Blank	CapF (1/1)	11/20/96	< 0.03 ± 0.02	< 0.008 ± 0.000	< 2 ± 0	< 0.012 ± 0.006
Field Blank	UF1 (1/1)	11/20/96	< 0.03 ± 0.01	< 0.008 ± 0.001	< 2 ± 1	< 0.012 ± 0.008
Field Blank	UF3 (1/1)	11/20/96	< 0.03 ± 0.02	< 0.008 ± 0.000	< 2 ± 1	< 0.012 ± 0.003
Field Blank	THB (1/1)	11/20/96	< 0.03 ± 0.01	< 0.008 ± 0.001	< 2 ± 0	< 0.012 ± 0.003
Field Blank	CapF (1/1)	11/20/96	< 0.03 ± 0.02	< 0.008 ± 0.001	< 2 ± 1	< 0.012 ± 0.010
Field Blank	HgP (1/1)	11/20/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	12/16/96	< 0.014 ± 0.007	< 0.011 ± 0.000	< 4 ± 2	0.007 ± 0.002
Lab Blank	MemF (1/1)	12/16/96	< 0.014 ± 0.000	< 0.011 ± 0.001	< 4 ± 2	< 0.005 ± 0.002
Lab Blank	CapF (1/1)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	HgP (1/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	UF1 (1/1)	12/16/96	< 0.014 ± 0.004	< 0.011 ± 0.000	< 4 ± 3	< 0.005 ± 0.004
Lab Blank	UF3 (1/1)	12/16/96	< 0.014 ± 0.006	< 0.011 ± 0.001	< 4 ± 2	< 0.005 ± 0.005
Lab Blank	THB (1/1)	12/16/96	< 0.014 ± 0.002	< 0.011 ± 0.001	< 4 ± 2	< 0.005 ± 0.005
Lab Blank	20LCh-1 (1/1)	12/16/96	< 0.014 ± 0.007	< 0.011 ± 0.001	< 4 ± 2	< 0.005 ± 0.003
Lab Blank	20LCh-2 (1/1)	12/16/96	< 0.014 ± 0.005	< 0.011 ± 0.000	< 4 ± 1	< 0.005 ± 0.004
Lab Blank	20LCh-3 (1/1)	12/16/96	< 0.014 ± 0.001	< 0.011 ± 0.001	< 4 ± 2	< 0.005 ± 0.002
Lab Blank	20LCh-4 (1/1)	12/16/96	< 0.014 ± 0.007	< 0.011 ± 0.000	< 4 ± 2	< 0.005 ± 0.002
Lab Blank	20LCh-5 (1/1)	12/16/96	< 0.014 ± 0.004	< 0.011 ± 0.000	< 1 ± 1	< 0.005 ± 0.005
Lab Blank	20LCh-6 (1/1)	12/16/96	< 0.014 ± 0.002	< 0.011 ± 0.002	< 4 ± 3	< 0.005 ± 0.002
Lab Blank	UF1 (1/1)	12/16/96	< 0.014 ± 0.002	< 0.011 ± 0.001	< 4 ± 3	< 0.005 ± 0.001
Lab Blank	HgP (2/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	12/17/96	< 0.014 ± 0.003	< 0.011 ± 0.000	< 4 ± 2	< 0.005 ± 0.002
Field Blank	8LCh (1/1)	12/17/96	< 0.014 ± 0.005	< 0.011 ± 0.001	< 4 ± 3	< 0.005 ± 0.003
Field Blank	MemF (1/1)	12/17/96	< 0.014 ± 0.003	< 0.011 ± 0.002	< 4 ± 4	< 0.005 ± 0.005
Field Blank	CapF (1/1)	12/17/96	< 0.014 ± 0.005	< 0.011 ± 0.001	< 3 ± 2	< 0.013 ± 0.007
Field Blank	UF2 (1/1)	12/17/96	< 0.014 ± 0.004	< 0.011 ± 0.000	< 4 ± 1	< 0.005 ± 0.002
Field Blank	THB (1/1)	12/17/96	< 0.014 ± 0.006	< 0.011 ± 0.001	< 4 ± 0	< 0.005 ± 0.003
Lab Blank	DIW (1/1)	01/06/97	< 0.015 ± 0.006	< 0.01 ± 0.001	< 3 ± 0	0.013 ± 0.009

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Beryllium µg/L	Bismuth µg/L	Boron µg/L	Cadmium µg/L
Lab Blank	UF1 (1/1)	01/05/97	< 0.015 ± 0.004	< 0.01 ± 0.001	< 3 ± 1	< 0.006 ± 0.004
Lab Blank	MemF (1/1)	01/06/97	< 0.015 ± 0.006	< 0.01 ± 0.001	< 3 ± 1	< 0.006 ± 0.005
Lab Blank	CapF (1/1)	01/06/97	< 0.04 ± 0.03	< 0.0009 ± 0.0001	< 1 ± 1	< 0.02 ± 0.00
Lab Blank	UF2 (1/2)	01/06/97	< 0.015 ± 0.007	< 0.01 ± 0.002	< 3 ± 0	< 0.006 ± 0.002
Lab Blank	UF2 (2/2)	01/06/97	< 0.015 ± 0.015	< 0.014 ± 0.001	< 4 ± 1	< 0.011 ± 0.002
Lab Blank	UF3 (1/1)	01/06/97	< 0.015 ± 0.000	< 0.01 ± 0.001	< 3 ± 0	< 0.006 ± 0.002
Lab Blank	THB (1/1)	01/06/97	< 0.015 ± 0.003	< 0.01 ± 0.001	< 3 ± 1	< 0.006 ± 0.001
Lab Blank	25LCb (1/1)	01/06/97	< 0.015 ± 0.005	< 0.01 ± 0.000	< 3 ± 0	< 0.006 ± 0.002
Lab Blank	DIW (1/1)	01/06/97	< 0.015 ± 0.008	< 0.01 ± 0.001	< 3 ± 0	< 0.006 ± 0.004
Lab Blank	HgP (1/1)	01/06/97	— ± —	— ± —	— ± —	— ± —
Field Blank	THB (1/1)	01/06/97	< 0.015 ± 0.008	< 0.01 ± 0.001	< 3 ± 2	< 0.006 ± 0.003
Lab Blank	UF2 (1/1)	05/28/97	< 0.04 ± 0.01	< 0.0009 ± 0.0003	< 1 ± 0	< 0.02 ± 0.01
Lab Blank	UF3 (1/1)	05/28/97	< 0.04 ± 0.01	< 0.0009 ± 0.0013	< 1 ± 0	< 0.02 ± 0.01
Lab Blank	THB (1/1)	05/28/97	< 0.04 ± 0.02	< 0.0009 ± 0.0002	< 1 ± 0	< 0.02 ± 0.00
Lab Blank	HgP (1/1)	05/28/97	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/2)	06/05/97	< 0.04 ± 0.02	< 0.0009 ± 0.0004	< 1 ± 0	< 0.02 ± 0.01
Field Blank	DIW (2/2)	06/05/97	< 0.04 ± 0.01	< 0.0009 ± 0.0005	< 1 ± 1	< 0.004 ± 0.004
Field Blank	CapF (1/3)	06/05/97	< 0.04 ± 0.01	< 0.0009 ± 0.0004	< 1 ± 0	< 0.02 ± 0.01
Field Blank	UFVP (1/1)	06/05/97	< 0.04 ± 0.01	< 0.0009 ± 0.0004	< 1 ± 1	< 0.004 ± 0.001
Field Blank	JyCn (1/1)	06/05/97	< 0.04 ± 0.01	< 0.0009 ± 0.0004	< 1 ± 0	< 0.02 ± 0.01
Field Blank	CapF (2/3)	06/05/97	< 0.04 ± 0.01	< 0.001 ± 0.000	< 0.8 ± 1.6	0.007 ± 0.002
Field Blank	CapF (3/3)	06/05/97	< 0.04 ± 0.04	< 0.001 ± 0.000	< 0.8 ± 0.5	0.005 ± 0.004
Field Blank	SCDI (1/1)	06/05/97	< 0.04 ± 0.01	< 0.001 ± 0.001	0.9 ± 1.3	< 0.01 ± 0.00
Field Blank	SCADI (1/1)	06/05/97	< 0.04 ± 0.03	< 0.001 ± 0.002	< 0.8 ± 0.1	< 0.01 ± 0.01
Field Blank	TfTb (1/1)	06/05/97	< 0.04 ± 0.01	< 0.001 ± 0.001	< 0.8 ± 0.6	< 0.01 ± 0.01
Lab Blank	DIW (1/1)	05/28/97	< 0.04 ± 0.01	< 0.0009 ± 0.0004	< 1 ± 0	< 0.02 ± 0.00
Lab Blank	MemF (1/1)	05/28/97	< 0.04 ± 0.01	< 0.0009 ± 0.0003	< 1 ± 0	0.005 ± 0.002
Lab Blank	CapF (1/1)	05/28/97	< 0.04 ± 0.01	< 0.0009 ± 0.0004	< 1 ± 0	< 0.004 ± 0.003

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Calcium mg/L	Cerium µg/L	Chromium µg/L	Cobalt µg/L
Lab Blank	DIW (1/1)	07/10/96	< 0.001 ± 0.000	< 0.0005 ± 0.0003	< 0.12 ± 0.03	< 0.004 ± 0.000
Lab Blank	8LCh (1/1)	07/10/96	0.040 ± 0.001	0.0023 ± 0.0003	< 0.12 ± 0.06	< 0.004 ± 0.003
Lab Blank	MemF (1/1)	07/10/96	< 0.001 ± 0.000	0.0007 ± 0.0005	< 0.12 ± 0.04	< 0.004 ± 0.002
Lab Blank	CapF (1/1)	07/10/96	< 0.001 ± 0.000	< 0.0005 ± 0.0001	< 0.12 ± 0.02	< 0.004 ± 0.002
Lab Blank	UF1 (1/1)	07/10/96	< 0.001 ± 0.000	< 0.0007 ± 0.0006	< 0.2 ± 0.4	< 0.005 ± 0.004
Lab Blank	UF2 (1/1)	07/10/96	< 0.001 ± 0.000	< 0.0005 ± 0.0001	< 0.12 ± 0.16	< 0.004 ± 0.001
Lab Blank	UF3 (1/1)	07/12/96	< 0.001 ± 0.000	0.0007 ± 0.0005	< 0.2 ± 0.2	< 0.005 ± 0.002
Lab Blank	HgP (1/1)	07/12/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	07/17/96	< 0.002 ± 0.000	< 0.0005 ± 0.0002	< 0.12 ± 0.01	< 0.004 ± 0.002
Field Blank	8LCh (1/1)	07/17/96	0.016 ± 0.009	0.0055 ± 0.0009	< 0.2 ± 0.1	< 0.005 ± 0.003
Field Blank	MemF (1/1)	07/17/96	0.03 ± 0.05	< 0.0007 ± 0.0015	< 0.2 ± 0.0	< 0.005 ± 0.004
Field Blank	CapF (1/1)	07/17/96	0.010 ± 0.000	0.0009 ± 0.0002	< 0.12 ± 0.11	< 0.004 ± 0.002
Field Blank	UF2 (1/1)	07/17/96	< 0.01 ± 0.01	< 0.0005 ± 0.0002	< 0.12 ± 0.01	< 0.004 ± 0.001
Field Blank	UF3 (1/1)	07/17/96	< 0.002 ± 0.001	< 0.0005 ± 0.0003	< 0.12 ± 0.03	< 0.004 ± 0.000
Field Blank	HgP (1/1)	07/17/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	09/18/96	< 0.02 ± 0.01	< 0.0011 ± 0.0008	< 0.3 ± 0.0	< 0.008 ± 0.003
Lab Blank	20LCh (1/1)	09/18/96	< 0.009 ± 0.005	< 0.0011 ± 0.0005	0.15 ± 0.12	< 0.011 ± 0.003
Lab Blank	MemF (1/1)	09/18/96	< 0.012 ± 0.004	< 0.0005 ± 0.0003	< 0.17 ± 0.21	< 0.006 ± 0.012
Lab Blank	CapF (1/1)	09/18/96	< 0.009 ± 0.006	< 0.0005 ± 0.0005	< 0.17 ± 0.02	< 0.006 ± 0.008
Lab Blank	UF2 (1/1)	09/18/96	< 0.011 ± 0.000	< 0.0011 ± 0.0005	< 0.12 ± 0.05	< 0.011 ± 0.007
Lab Blank	UF3 (1/1)	09/18/96	< 0.02 ± 0.00	< 0.0011 ± 0.0009	< 0.3 ± 0.0	< 0.008 ± 0.003
Lab Blank	THB (1/1)	09/18/96	< 0.009 ± 0.002	0.0006 ± 0.0004	0.26 ± 0.11	< 0.006 ± 0.007
Lab Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	09/18/96	< 0.012 ± 0.017	< 0.0011 ± 0.0002	< 0.3 ± 0.1	< 0.008 ± 0.002
Field Blank	20LCh (1/1)	09/18/96	< 0.012 ± 0.001	< 0.0005 ± 0.0005	< 0.17 ± 0.03	< 0.006 ± 0.004
Field Blank	MemF (1/1)	09/18/96	< 0.012 ± 0.001	< 0.0011 ± 0.0002	< 0.3 ± 0.2	< 0.008 ± 0.008
Field Blank	CapF (1/1)	09/18/96	< 0.012 ± 0.000	< 0.0005 ± 0.0003	< 0.17 ± 0.07	< 0.006 ± 0.007
Field Blank	UF2 (1/1)	09/18/96	< 0.012 ± 0.001	< 0.0011 ± 0.0005	< 0.3 ± 0.0	< 0.008 ± 0.004
Field Blank	UF3 (1/1)	09/18/96	< 0.012 ± 0.000	0.0015 ± 0.0005	< 0.17 ± 0.06	< 0.006 ± 0.004
Field Blank	THB (1/1)	09/18/96	< 0.012 ± 0.002	< 0.0005 ± 0.0002	< 0.17 ± 0.06	< 0.006 ± 0.002
Field Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	11/13/96	< 0.011 ± 0.001	< 0.0009 ± 0.0003	< 0.12 ± 0.00	< 0.005 ± 0.002
Lab Blank	8LCh (1/1)	11/13/96	< 0.011 ± 0.001	< 0.0009 ± 0.0001	< 0.12 ± 0.06	< 0.005 ± 0.003
Lab Blank	MemF (1/1)	11/13/96	< 0.011 ± 0.001	0.0026 ± 0.0010	< 0.12 ± 0.04	< 0.005 ± 0.002

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Calcium mg/L	Cerium µg/L	Chromium µg/L	Cobalt µg/L
Lab Blank	CapF (1/1)	11/14/96	< 0.011 ± 0.005	< 0.0009 ± 0.0002	< 0.12 ± 0.03	< 0.005 ± 0.000
Lab Blank	UF2 (1/1)	11/13/96	< 0.011 ± 0.001	< 0.0009 ± 0.0004	< 0.12 ± 0.08	< 0.005 ± 0.005
Lab Blank	UF3 (1/1)	11/13/96	< 0.011 ± 0.001	0.0020 ± 0.0008	< 0.12 ± 0.02	< 0.005 ± 0.003
Lab Blank	THB (1/1)	11/13/96	< 0.011 ± 0.002	< 0.0009 ± 0.0004	< 0.12 ± 0.01	< 0.005 ± 0.000
Lab Blank	HgP (1/1)	11/13/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	11/20/96	< 0.011 ± 0.001	< 0.0009 ± 0.0003	< 0.12 ± 0.05	< 0.005 ± 0.000
Field Blank	8LCh (1/1)	11/20/96	< 0.011 ± 0.000	< 0.0009 ± 0.0004	< 0.12 ± 0.03	< 0.005 ± 0.003
Field Blank	MemF (1/1)	11/20/96	< 0.011 ± 0.001	< 0.0009 ± 0.0007	< 0.12 ± 0.01	< 0.005 ± 0.003
Field Blank	CapF (1/1)	11/20/96	< 0.011 ± 0.002	< 0.0009 ± 0.0008	< 0.12 ± 0.06	< 0.005 ± 0.000
Field Blank	UF1 (1/1)	11/20/96	< 0.002 ± 0.001	< 0.0009 ± 0.0004	< 0.12 ± 0.01	< 0.005 ± 0.004
Field Blank	UF3 (1/1)	11/20/96	< 0.002 ± 0.003	0.0012 ± 0.0004	< 0.12 ± 0.08	< 0.005 ± 0.002
Field Blank	THB (1/1)	11/20/96	0.011 ± 0.020	0.0023 ± 0.0002	< 0.12 ± 0.05	< 0.005 ± 0.000
Field Blank	CapF (1/1)	11/20/96	< 0.003 ± 0.002	< 0.0009 ± 0.0005	< 0.12 ± 0.04	< 0.005 ± 0.001
Field Blank	HgP (1/1)	11/20/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	12/16/96	< 0.02 ± 0.00	< 0.0004 ± 0.0001	< 0.06 ± 0.03	< 0.009 ± 0.002
Lab Blank	MemF (1/1)	12/16/96	< 0.02 ± 0.00	0.0005 ± 0.0003	< 0.06 ± 0.03	< 0.009 ± 0.001
Lab Blank	CapF (1/1)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	HgP (1/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	UF1 (1/1)	12/16/96	< 0.02 ± 0.00	< 0.0004 ± 0.0002	< 0.06 ± 0.06	< 0.009 ± 0.001
Lab Blank	UF3 (1/1)	12/16/96	< 0.02 ± 0.00	0.0005 ± 0.0004	< 0.06 ± 0.02	< 0.009 ± 0.003
Lab Blank	THB (1/1)	12/16/96	< 0.02 ± 0.00	< 0.0004 ± 0.0001	< 0.06 ± 0.02	< 0.009 ± 0.001
Lab Blank	20LCh-1 (1/1)	12/16/96	< 0.02 ± 0.01	< 0.0004 ± 0.0002	< 0.06 ± 0.03	< 0.009 ± 0.002
Lab Blank	20LCh-2 (1/1)	12/16/96	< 0.02 ± 0.01	< 0.0004 ± 0.0004	< 0.06 ± 0.05	< 0.009 ± 0.001
Lab Blank	20LCh-3 (1/1)	12/16/96	< 0.02 ± 0.00	< 0.0004 ± 0.0000	< 0.06 ± 0.03	< 0.009 ± 0.002
Lab Blank	20LCh-4 (1/1)	12/16/96	< 0.02 ± 0.00	< 0.0004 ± 0.0003	< 0.06 ± 0.02	< 0.009 ± 0.004
Lab Blank	20LCh-5 (1/1)	12/16/96	< 0.02 ± 0.01	0.0012 ± 0.0003	< 0.05 ± 0.04	< 0.009 ± 0.002
Lab Blank	20LCh-6 (1/1)	12/16/96	< 0.02 ± 0.00	0.0004 ± 0.0004	< 0.06 ± 0.07	< 0.009 ± 0.002
Lab Blank	UF1 (1/1)	12/16/96	< 0.008 ± 0.004	< 0.0004 ± 0.0002	< 0.06 ± 0.04	< 0.009 ± 0.001
Lab Blank	HgP (2/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	12/17/96	< 0.008 ± 0.001	0.0008 ± 0.0002	< 0.06 ± 0.04	< 0.009 ± 0.003
Field Blank	8LCh (1/1)	12/17/96	< 0.008 ± 0.001	0.0017 ± 0.0003	< 0.06 ± 0.03	< 0.009 ± 0.001
Field Blank	MemF (1/1)	12/17/96	< 0.02 ± 0.00	0.0007 ± 0.0003	< 0.06 ± 0.07	< 0.009 ± 0.001
Field Blank	CapF (1/1)	12/17/96	< 0.008 ± 0.003	< 0.0004 ± 0.0002	< 0.06 ± 0.00	< 0.007 ± 0.005
Field Blank	UF2 (1/1)	12/17/96	< 0.02 ± 0.00	< 0.0004 ± 0.0002	< 0.06 ± 0.04	< 0.009 ± 0.002
Field Blank	THB (1/1)	12/17/96	< 0.02 ± 0.00	0.0024 ± 0.0001	< 0.06 ± 0.01	< 0.009 ± 0.002
Lab Blank	DIW (1/1)	01/06/97	< 0.008 ± 0.002	< 0.0004 ± 0.0001	< 0.04 ± 0.05	< 0.009 ± 0.003

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Calcium mg/L	Cerium µg/L	Chromium µg/L	Cobalt µg/L
Lab Blank	UF1 (1/1)	01/05/97	< 0.008 ± 0.001	< 0.0004 ± 0.0002	< 0.04 ± 0.04	< 0.009 ± 0.003
Lab Blank	MemF (1/1)	01/06/97	< 0.008 ± 0.002	< 0.0004 ± 0.0002	< 0.04 ± 0.02	< 0.009 ± 0.003
Lab Blank	CapF (1/1)	01/06/97	< 0.1 ± 0.0	< 0.0005 ± 0.0003	< 0.08 ± 0.06	0.004 ± 0.002
Lab Blank	UF2 (1/2)	01/06/97	< 0.008 ± 0.001	< 0.0004 ± 0.0003	< 0.04 ± 0.04	< 0.009 ± 0.003
Lab Blank	UF2 (2/2)	01/06/97	< 0.007 ± 0.001	< 0.0009 ± 0.0003	< 0.08 ± 0.02	< 0.005 ± 0.001
Lab Blank	UF3 (1/1)	01/06/97	< 0.008 ± 0.001	0.050 ± 0.002	0.15 ± 0.02	0.030 ± 0.001
Lab Blank	THB (1/1)	01/06/97	< 0.008 ± 0.007	< 0.0004 ± 0.0001	< 0.04 ± 0.04	< 0.009 ± 0.002
Lab Blank	25LCb (1/1)	01/06/97	< 0.008 ± 0.001	< 0.0004 ± 0.0003	< 0.04 ± 0.03	< 0.009 ± 0.003
Lab Blank	DIW (1/1)	01/06/97	< 0.008 ± 0.003	< 0.0004 ± 0.0003	< 0.04 ± 0.01	< 0.009 ± 0.001
Lab Blank	HgP (1/1)	01/06/97	— ± —	— ± —	— ± —	— ± —
Field Blank	THB (1/1)	01/06/97	0.008 ± 0.004	< 0.0004 ± 0.0001	< 0.04 ± 0.01	< 0.009 ± 0.003
Lab Blank	UF2 (1/1)	05/28/97	< 0.01 ± 0.00	< 0.0005 ± 0.0001	< 0.08 ± 0.06	< 0.003 ± 0.001
Lab Blank	UF3 (1/1)	05/28/97	< 0.01 ± 0.00	0.0040 ± 0.0001	< 0.08 ± 0.08	0.004 ± 0.003
Lab Blank	THB (1/1)	05/28/97	< 0.01 ± 0.00	< 0.0005 ± 0.0002	< 0.08 ± 0.07	< 0.003 ± 0.001
Lab Blank	HgP (1/1)	05/28/97	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/2)	06/05/97	< 0.01 ± 0.00	0.0007 ± 0.0002	< 0.08 ± 0.04	< 0.003 ± 0.002
Field Blank	DIW (2/2)	06/05/97	< 0.01 ± 0.00	0.0006 ± 0.0002	< 0.08 ± 0.05	< 0.003 ± 0.002
Field Blank	CapF (1/3)	06/05/97	< 0.01 ± 0.00	< 0.0005 ± 0.0002	< 0.08 ± 0.05	0.003 ± 0.002
Field Blank	UFVP (1/1)	06/05/97	< 0.01 ± 0.00	< 0.0005 ± 0.0002	< 0.08 ± 0.03	< 0.003 ± 0.001
Field Blank	JyCn (1/1)	06/05/97	< 0.01 ± 0.00	0.0016 ± 0.0005	< 0.08 ± 0.08	< 0.003 ± 0.001
Field Blank	CapF (2/3)	06/05/97	< 0.01 ± 0.00	< 0.0004 ± 0.0001	< 0.1 ± 0.1	< 0.003 ± 0.001
Field Blank	CapF (3/3)	06/05/97	< 0.02 ± 0.00	< 0.0004 ± 0.0002	< 0.1 ± 0.1	< 0.003 ± 0.002
Field Blank	SCDI (1/1)	06/05/97	< 0.02 ± 0.00	< 0.0004 ± 0.0003	< 0.1 ± 0.0	< 0.003 ± 0.004
Field Blank	SCADI (1/1)	06/05/97	< 0.02 ± 0.00	0.0005 ± 0.0008	< 0.1 ± 0.1	0.011 ± 0.006
Field Blank	TfTb (1/1)	06/05/97	< 0.02 ± 0.00	< 0.0004 ± 0.0008	< 0.1 ± 0.0	< 0.003 ± 0.000
Lab Blank	DIW (1/1)	05/28/97	< 0.01 ± 0.00	< 0.0005 ± 0.0002	< 0.08 ± 0.02	< 0.003 ± 0.002
Lab Blank	MemF (1/1)	05/28/97	< 0.01 ± 0.00	< 0.0005 ± 0.0002	< 0.08 ± 0.06	< 0.003 ± 0.000
Lab Blank	CapF (1/1)	05/28/97	< 0.01 ± 0.00	< 0.0005 ± 0.0001	< 0.08 ± 0.05	< 0.003 ± 0.001

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Copper µg/L	Dysprosium µg/L	Erbium µg/L	Europium µg/L
Lab Blank	DIW (1/1)	07/10/96	< 0.03 ± 0.00	< 0.0007 ± 0.0002	< 0.0011 ± 0.0004	< 0.0003 ± 0.0002
Lab Blank	8LCh (1/1)	07/10/96	0.03 ± 0.01	< 0.0007 ± 0.0002	< 0.0011 ± 0.0007	< 0.0003 ± 0.0001
Lab Blank	MemF (1/1)	07/10/96	< 0.03 ± 0.01	< 0.0007 ± 0.0006	< 0.0011 ± 0.0006	< 0.0003 ± 0.0001
Lab Blank	CapF (1/1)	07/10/96	0.03 ± 0.03	< 0.0007 ± 0.0002	< 0.0011 ± 0.0005	< 0.0003 ± 0.0001
Lab Blank	UF1 (1/1)	07/10/96	0.03 ± 0.02	< 0.0017 ± 0.0000	< 0.002 ± 0.001	< 0.001 ± 0.0003
Lab Blank	UF2 (1/1)	07/10/96	< 0.03 ± 0.02	< 0.0007 ± 0.0005	< 0.0011 ± 0.0006	< 0.0003 ± 0.0002
Lab Blank	UF3 (1/1)	07/12/96	0.07 ± 0.01	< 0.0017 ± 0.0010	< 0.002 ± 0.001	< 0.001 ± 0.0005
Lab Blank	HgP (1/1)	07/12/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	07/17/96	< 0.03 ± 0.02	< 0.0007 ± 0.0000	< 0.0011 ± 0.0007	< 0.0003 ± 0.0002
Field Blank	8LCh (1/1)	07/17/96	< 0.03 ± 0.01	< 0.0017 ± 0.0011	< 0.002 ± 0.001	< 0.001 ± 0.0008
Field Blank	MemF (1/1)	07/17/96	< 0.03 ± 0.11	< 0.0017 ± 0.0026	< 0.002 ± 0.001	< 0.001 ± 0.0008
Field Blank	CapF (1/1)	07/17/96	0.82 ± 0.01	< 0.0007 ± 0.0004	< 0.0011 ± 0.0002	< 0.0003 ± 0.0003
Field Blank	UF2 (1/1)	07/17/96	0.04 ± 0.02	< 0.0007 ± 0.0003	< 0.0011 ± 0.0002	0.0003 ± 0.0002
Field Blank	UF3 (1/1)	07/17/96	< 0.03 ± 0.01	< 0.0007 ± 0.0003	< 0.0011 ± 0.0000	< 0.0003 ± 0.0002
Field Blank	HgP (1/1)	07/17/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	09/18/96	< 0.02 ± 0.02	< 0.003 ± 0.002	< 0.003 ± 0.003	< 0.001 ± 0.001
Lab Blank	20LCh (1/1)	09/18/96	0.05 ± 0.01	< 0.0018 ± 0.0001	< 0.0018 ± 0.0010	< 0.001 ± 0.000
Lab Blank	MemF (1/1)	09/18/96	0.11 ± 0.04	< 0.0018 ± 0.0009	< 0.0015 ± 0.0009	< 0.001 ± 0.000
Lab Blank	CapF (1/1)	09/18/96	0.30 ± 0.05	< 0.0018 ± 0.0011	< 0.0015 ± 0.0007	< 0.001 ± 0.000
Lab Blank	UF2 (1/1)	09/18/96	0.06 ± 0.02	< 0.0018 ± 0.0006	< 0.0018 ± 0.0006	< 0.001 ± 0.000
Lab Blank	UF3 (1/1)	09/18/96	< 0.03 ± 0.02	< 0.003 ± 0.001	< 0.003 ± 0.000	< 0.001 ± 0.001
Lab Blank	THB (1/1)	09/18/96	0.06 ± 0.03	< 0.0018 ± 0.0006	< 0.0015 ± 0.0005	< 0.001 ± 0.000
Lab Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	09/18/96	0.02 ± 0.01	< 0.003 ± 0.001	< 0.003 ± 0.001	< 0.001 ± 0.000
Field Blank	20LCh (1/1)	09/18/96	< 0.02 ± 0.02	< 0.0018 ± 0.0014	< 0.0015 ± 0.0011	< 0.001 ± 0.000
Field Blank	MemF (1/1)	09/18/96	0.03 ± 0.01	< 0.003 ± 0.002	< 0.003 ± 0.000	< 0.001 ± 0.000
Field Blank	CapF (1/1)	09/18/96	0.12 ± 0.02	< 0.0018 ± 0.0017	< 0.0015 ± 0.0018	< 0.001 ± 0.001
Field Blank	UF2 (1/1)	09/18/96	0.03 ± 0.01	< 0.003 ± 0.001	< 0.003 ± 0.001	< 0.001 ± 0.000
Field Blank	UF3 (1/1)	09/18/96	0.03 ± 0.01	< 0.0018 ± 0.0005	< 0.0015 ± 0.0015	< 0.001 ± 0.000
Field Blank	THB (1/1)	09/18/96	< 0.02 ± 0.01	< 0.0018 ± 0.0011	< 0.0015 ± 0.0001	< 0.001 ± 0.000
Field Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	11/13/96	< 0.02 ± 0.01	< 0.0017 ± 0.0020	< 0.003 ± 0.002	< 0.001 ± 0.0004
Lab Blank	8LCh (1/1)	11/13/96	< 0.02 ± 0.01	< 0.0017 ± 0.0015	< 0.003 ± 0.000	< 0.001 ± 0.0007
Lab Blank	MemF (1/1)	11/13/96	0.03 ± 0.01	< 0.0017 ± 0.0012	< 0.003 ± 0.002	< 0.001 ± 0.0003

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Copper µg/L	Dysprosium µg/L	Erbium µg/L	Europium µg/L
Lab Blank	CapF (1/1)	11/14/96	< 0.02 ± 0.02	< 0.0017 ± 0.0005	< 0.003 ± 0.001	< 0.001 ± 0.0000
Lab Blank	UF2 (1/1)	11/13/96	0.09 ± 0.02	< 0.0017 ± 0.0009	< 0.003 ± 0.001	< 0.001 ± 0.0003
Lab Blank	UF3 (1/1)	11/13/96	0.09 ± 0.02	< 0.0017 ± 0.0006	< 0.003 ± 0.003	< 0.001 ± 0.0004
Lab Blank	THB (1/1)	11/13/96	0.02 ± 0.01	< 0.0017 ± 0.0001	< 0.003 ± 0.001	< 0.001 ± 0.0002
Lab Blank	HgP (1/1)	11/13/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	11/20/96	< 0.02 ± 0.00	< 0.0017 ± 0.0006	< 0.003 ± 0.001	< 0.001 ± 0.0002
Field Blank	8LCh (1/1)	11/20/96	< 0.02 ± 0.01	< 0.0017 ± 0.0010	< 0.003 ± 0.002	< 0.001 ± 0.0003
Field Blank	MemF (1/1)	11/20/96	< 0.02 ± 0.00	< 0.0017 ± 0.0016	< 0.003 ± 0.003	< 0.001 ± 0.0002
Field Blank	CapF (1/1)	11/20/96	< 0.02 ± 0.03	< 0.0017 ± 0.0008	< 0.003 ± 0.001	< 0.001 ± 0.0004
Field Blank	UF1 (1/1)	11/20/96	< 0.02 ± 0.01	< 0.0017 ± 0.0007	< 0.003 ± 0.001	< 0.001 ± 0.0007
Field Blank	UF3 (1/1)	11/20/96	0.02 ± 0.01	< 0.0017 ± 0.0010	< 0.003 ± 0.002	< 0.001 ± 0.0006
Field Blank	THB (1/1)	11/20/96	< 0.02 ± 0.01	< 0.0017 ± 0.0003	< 0.003 ± 0.001	< 0.001 ± 0.0003
Field Blank	CapF (1/1)	11/20/96	< 0.02 ± 0.02	< 0.0017 ± 0.0001	< 0.003 ± 0.001	< 0.001 ± 0.0005
Field Blank	HgP (1/1)	11/20/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	12/16/96	0.03 ± 0.05	< 0.0015 ± 0.0009	< 0.002 ± 0.0013	< 0.001 ± 0.000
Lab Blank	MemF (1/1)	12/16/96	0.03 ± 0.01	< 0.0015 ± 0.0007	< 0.002 ± 0.0005	< 0.001 ± 0.000
Lab Blank	CapF (1/1)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	HgP (1/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	UF1 (1/1)	12/16/96	0.03 ± 0.02	< 0.0015 ± 0.0007	< 0.002 ± 0.0002	< 0.001 ± 0.000
Lab Blank	UF3 (1/1)	12/16/96	0.16 ± 0.02	< 0.0015 ± 0.0008	< 0.002 ± 0.0007	< 0.001 ± 0.000
Lab Blank	THB (1/1)	12/16/96	0.02 ± 0.02	< 0.0015 ± 0.0002	< 0.002 ± 0.0006	< 0.001 ± 0.000
Lab Blank	20LCh-1 (1/1)	12/16/96	0.02 ± 0.02	< 0.0015 ± 0.0003	< 0.002 ± 0.0003	< 0.001 ± 0.000
Lab Blank	20LCh-2 (1/1)	12/16/96	< 0.011 ± 0.00	< 0.0015 ± 0.0005	< 0.002 ± 0.0010	< 0.001 ± 0.000
Lab Blank	20LCh-3 (1/1)	12/16/96	0.05 ± 0.01	< 0.0015 ± 0.0011	< 0.002 ± 0.0010	< 0.001 ± 0.000
Lab Blank	20LCh-4 (1/1)	12/16/96	0.02 ± 0.01	< 0.0015 ± 0.0010	< 0.002 ± 0.0007	< 0.001 ± 0.000
Lab Blank	20LCh-5 (1/1)	12/16/96	0.10 ± 0.06	< 0.0015 ± 0.0007	< 0.002 ± 0.0004	< 0.001 ± 0.000
Lab Blank	20LCh-6 (1/1)	12/16/96	0.11 ± 0.04	< 0.0015 ± 0.0004	< 0.002 ± 0.0004	< 0.001 ± 0.000
Lab Blank	UF1 (1/1)	12/16/96	0.05 ± 0.02	< 0.0015 ± 0.0008	< 0.002 ± 0.0005	< 0.001 ± 0.000
Lab Blank	HgP (2/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	12/17/96	0.10 ± 0.04	< 0.0015 ± 0.0002	< 0.002 ± 0.0003	< 0.001 ± 0.000
Field Blank	8LCh (1/1)	12/17/96	0.06 ± 0.01	< 0.0015 ± 0.0007	< 0.002 ± 0.0001	< 0.001 ± 0.000
Field Blank	MemF (1/1)	12/17/96	0.07 ± 0.00	< 0.0015 ± 0.0005	< 0.002 ± 0.0005	< 0.001 ± 0.000
Field Blank	CapF (1/1)	12/17/96	0.17 ± 0.04	< 0.0015 ± 0.0004	< 0.002 ± 0.0002	< 0.001 ± 0.000
Field Blank	UF2 (1/1)	12/17/96	0.02 ± 0.01	< 0.0015 ± 0.0002	< 0.002 ± 0.0004	< 0.001 ± 0.000
Field Blank	THB (1/1)	12/17/96	0.05 ± 0.02	< 0.0015 ± 0.0007	< 0.002 ± 0.0006	< 0.001 ± 0.000
Lab Blank	DIW (1/1)	01/06/97	< 0.018 ± 0.021	< 0.0014 ± 0.0004	< 0.0013 ± 0.0002	< 0.001 ± 0.000

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Copper µg/L	Dysprosium µg/L	Erbium µg/L	Europium µg/L
Lab Blank	UF1 (1/1)	01/05/97	< 0.03 ± 0.01	< 0.0014 ± 0.0006	< 0.0013 ± 0.0007	< 0.001 ± 0.000
Lab Blank	MemF (1/1)	01/06/97	< 0.03 ± 0.00	< 0.0014 ± 0.0010	< 0.0013 ± 0.0003	< 0.001 ± 0.000
Lab Blank	CapF (1/1)	01/06/97	0.44 ± 0.00	< 0.002 ± 0.001	< 0.002 ± 0.001	< 0.0008 ± 0.0003
Lab Blank	UF2 (1/2)	01/06/97	< 0.03 ± 0.01	< 0.0014 ± 0.0002	< 0.0013 ± 0.0008	< 0.001 ± 0.000
Lab Blank	UF2 (2/2)	01/06/97	< 0.018 ± 0.017	< 0.0018 ± 0.0021	< 0.0018 ± 0.0016	< 0.001 ± 0.000
Lab Blank	UF3 (1/1)	01/06/97	0.29 ± 0.03	0.0039 ± 0.0003	0.0033 ± 0.0025	0.001 ± 0.000
Lab Blank	THB (1/1)	01/06/97	< 0.03 ± 0.00	< 0.0014 ± 0.0002	< 0.0013 ± 0.0010	< 0.001 ± 0.000
Lab Blank	25LCb (1/1)	01/06/97	< 0.03 ± 0.00	< 0.0014 ± 0.0000	< 0.0013 ± 0.0004	< 0.001 ± 0.000
Lab Blank	DIW (1/1)	01/06/97	0.18 ± 0.01	< 0.0014 ± 0.0007	< 0.0013 ± 0.0008	< 0.001 ± 0.000
Lab Blank	HgP (1/1)	01/06/97	— ± —	— ± —	— ± —	— ± —
Field Blank	THB (1/1)	01/06/97	0.05 ± 0.02	< 0.0014 ± 0.0002	< 0.0013 ± 0.0005	< 0.001 ± 0.000
Lab Blank	UF2 (1/1)	05/28/97	0.05 ± 0.01	< 0.002 ± 0.001	< 0.002 ± 0.000	< 0.0008 ± 0.0002
Lab Blank	UF3 (1/1)	05/28/97	0.19 ± 0.08	< 0.002 ± 0.001	< 0.002 ± 0.001	< 0.0008 ± 0.0002
Lab Blank	THB (1/1)	05/28/97	0.04 ± 0.01	< 0.002 ± 0.000	< 0.002 ± 0.000	< 0.0008 ± 0.0004
Lab Blank	HgP (1/1)	05/28/97	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/2)	06/05/97	0.02 ± 0.01	< 0.002 ± 0.000	< 0.002 ± 0.000	< 0.0008 ± 0.0005
Field Blank	DIW (2/2)	06/05/97	< 0.04 ± 0.00	< 0.002 ± 0.001	< 0.002 ± 0.001	< 0.0008 ± 0.0001
Field Blank	CapF (1/3)	06/05/97	0.10 ± 0.01	< 0.002 ± 0.000	< 0.002 ± 0.000	< 0.0008 ± 0.0001
Field Blank	UFVP (1/1)	06/05/97	0.28 ± 0.03	< 0.002 ± 0.001	< 0.002 ± 0.000	< 0.0008 ± 0.0005
Field Blank	JyCn (1/1)	06/05/97	0.03 ± 0.03	< 0.002 ± 0.001	< 0.002 ± 0.001	< 0.0008 ± 0.0001
Field Blank	CapF (2/3)	06/05/97	0.24 ± 0.06	< 0.002 ± 0.001	< 0.002 ± 0.001	< 0.001 ± 0.000
Field Blank	CapF (3/3)	06/05/97	0.31 ± 0.00	< 0.002 ± 0.001	< 0.002 ± 0.001	< 0.001 ± 0.000
Field Blank	SCDI (1/1)	06/05/97	< 0.02 ± 0.01	< 0.002 ± 0.002	< 0.002 ± 0.000	< 0.001 ± 0.001
Field Blank	SCADI (1/1)	06/05/97	< 0.02 ± 0.02	< 0.002 ± 0.002	< 0.002 ± 0.000	< 0.001 ± 0.001
Field Blank	TfTb (1/1)	06/05/97	0.05 ± 0.03	< 0.002 ± 0.002	< 0.002 ± 0.000	< 0.001 ± 0.001
Lab Blank	DIW (1/1)	05/28/97	< 0.02 ± 0.01	< 0.002 ± 0.001	< 0.002 ± 0.001	< 0.0008 ± 0.0002
Lab Blank	MemF (1/1)	05/28/97	0.02 ± 0.01	< 0.002 ± 0.001	< 0.002 ± 0.000	< 0.0008 ± 0.0003
Lab Blank	CapF (1/1)	05/28/97	0.25 ± 0.01	< 0.002 ± 0.000	< 0.002 ± 0.000	< 0.0008 ± 0.0003

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Gadolinium µg/L	Holmium µg/L	Iron (ICP-AES) µg/L	Iron (UV-Vis) µg/L
Lab Blank	DIW (1/1)	07/10/96	< 0.0009 ± 0.0003	< 0.0001 ± 0.0000	0.7 ± na	11 ± na
Lab Blank	8LCh (1/1)	07/10/96	< 0.0009 ± 0.0003	< 0.0001 ± 0.0001	2.5 ± na	11 ± na
Lab Blank	MemF (1/1)	07/10/96	< 0.0009 ± 0.0007	< 0.0001 ± 0.0001	1.7 ± na	20 ± na
Lab Blank	CapF (1/1)	07/10/96	< 0.0009 ± 0.0002	< 0.0001 ± 0.0001	0.9 ± na	24 ± na
Lab Blank	UF1 (1/1)	07/10/96	< 0.0017 ± 0.0013	0.0006 ± 0.0000	1.5 ± na	10 ± na
Lab Blank	UF2 (1/1)	07/10/96	< 0.0009 ± 0.0005	< 0.0001 ± 0.0001	2.2 ± na	25 ± na
Lab Blank	UF3 (1/1)	07/12/96	< 0.0017 ± 0.0001	< 0.0004 ± 0.0003	5.2 ± na	28 ± na
Lab Blank	HgP (1/1)	07/12/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	07/17/96	< 0.0009 ± 0.0006	< 0.0001 ± 0.0001	1.9 ± na	31 ± na
Field Blank	8LCh (1/1)	07/17/96	< 0.0017 ± 0.0011	0.0005 ± 0.0005	10.3 ± na	37 ± na
Field Blank	MemF (1/1)	07/17/96	< 0.0017 ± 0.0008	< 0.0004 ± 0.0002	4.9 ± na	24 ± na
Field Blank	CapF (1/1)	07/17/96	< 0.0009 ± 0.0002	< 0.0001 ± 0.0000	17.3 ± na	26 ± 0
Field Blank	UF2 (1/1)	07/17/96	< 0.0009 ± 0.0003	< 0.0001 ± 0.0000	1.2 ± na	21 ± na
Field Blank	UF3 (1/1)	07/17/96	< 0.0009 ± 0.0003	< 0.0001 ± 0.0001	1.7 ± na	— ± —
Field Blank	HgP (1/1)	07/17/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	09/18/96	< 0.002 ± 0.001	< 0.0008 ± 0.0006	1.4 ± 0.4	13.4 ± na
Lab Blank	20LCh (1/1)	09/18/96	< 0.003 ± 0.001	< 0.0003 ± 0.0000	2.5 ± 1.0	9.7 ± na
Lab Blank	MemF (1/1)	09/18/96	< 0.002 ± 0.000	< 0.0004 ± 0.0001	6.0 ± 2.9	21.2 ± na
Lab Blank	CapF (1/1)	09/18/96	< 0.002 ± 0.001	< 0.0004 ± 0.0002	3.9 ± 2.1	10.5 ± na
Lab Blank	UF2 (1/1)	09/18/96	< 0.003 ± 0.001	< 0.0003 ± 0.0001	1.4 ± na	15.0 ± na
Lab Blank	UF3 (1/1)	09/18/96	< 0.002 ± 0.002	< 0.0008 ± 0.0001	2.1 ± 0.9	8.6 ± na
Lab Blank	THB (1/1)	09/18/96	< 0.002 ± 0.000	< 0.0004 ± 0.0002	4.9 ± 0.9	— ± —
Lab Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	09/18/96	< 0.002 ± 0.002	< 0.0008 ± 0.0003	0.6 ± na	10.1 ± 3.3
Field Blank	20LCh (1/1)	09/18/96	< 0.002 ± 0.001	< 0.0004 ± 0.0003	2.8 ± na	18.1 ± na
Field Blank	MemF (1/1)	09/18/96	< 0.002 ± 0.001	< 0.0008 ± 0.0004	2.6 ± 1.0	11.7 ± 4.3
Field Blank	CapF (1/1)	09/18/96	< 0.002 ± 0.001	< 0.0004 ± 0.0001	2.7 ± 2.1	9.9 ± na
Field Blank	UF2 (1/1)	09/18/96	< 0.002 ± 0.001	< 0.0008 ± 0.0003	3.7 ± 3.3	8.0 ± 1.5
Field Blank	UF3 (1/1)	09/18/96	< 0.002 ± 0.000	< 0.0004 ± 0.0001	5.1 ± 0.0	11.3 ± na
Field Blank	THB (1/1)	09/18/96	< 0.002 ± 0.001	< 0.0004 ± 0.0001	< 0.4 ± na	10.6 ± na
Field Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	11/13/96	< 0.003 ± 0.002	< 0.0005 ± 0.0001	11.5 ± na	<3 ± na
Lab Blank	8LCh (1/1)	11/13/96	< 0.003 ± 0.001	< 0.0005 ± 0.0004	3.2 ± na	<3 ± na
Lab Blank	MemF (1/1)	11/13/96	< 0.003 ± 0.002	< 0.0005 ± 0.0001	5.1 ± 0.0	2.1 ± na

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Gadolinium µg/L	Holmium µg/L	Iron (ICP-AES) µg/L	Iron (UV-Vis) µg/L
Lab Blank	CapF (1/1)	11/14/96	< 0.003 ± 0.001	< 0.0005 ± 0.0001	2.8 ± na	4.6 ± na
Lab Blank	UF2 (1/1)	11/13/96	< 0.003 ± 0.001	< 0.0005 ± 0.0005	1.8 ± 0.2	<3 ± na
Lab Blank	UF3 (1/1)	11/13/96	< 0.003 ± 0.001	< 0.0005 ± 0.0004	2.9 ± 0.8	<3 ± na
Lab Blank	THB (1/1)	11/13/96	< 0.003 ± 0.000	< 0.0005 ± 0.0003	1.5 ± 0.1	— ± —
Lab Blank	HgP (1/1)	11/13/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	11/20/96	< 0.003 ± 0.001	< 0.0005 ± 0.0003	1.5 ± 1.4	7.4 ± na
Field Blank	8LCh (1/1)	11/20/96	< 0.003 ± 0.001	< 0.0005 ± 0.0003	1.9 ± 2.2	<3 ± 2.6
Field Blank	MemF (1/1)	11/20/96	< 0.003 ± 0.001	< 0.0005 ± 0.0002	4.7 ± na	<3 ± 0.6
Field Blank	CapF (1/1)	11/20/96	< 0.003 ± 0.001	< 0.0005 ± 0.0005	6.4 ± 0.9	7.2 ± na
Field Blank	UF1 (1/1)	11/20/96	< 0.003 ± 0.002	< 0.0005 ± 0.0002	2.7 ± na	<3 ± 0.8
Field Blank	UF3 (1/1)	11/20/96	< 0.003 ± 0.001	< 0.0005 ± 0.0001	2.6 ± 2.1	<3 ± na
Field Blank	THB (1/1)	11/20/96	< 0.003 ± 0.002	< 0.0005 ± 0.0001	3.0 ± 0.9	— ± —
Field Blank	CapF (1/1)	11/20/96	< 0.003 ± 0.001	< 0.0005 ± 0.0003	2.7 ± 2.8	— ± —
Field Blank	HgP (1/1)	11/20/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	12/16/96	< 0.0013 ± 0.0003	< 0.0004 ± 0.0002	1.1 ± 0.4	<3 ± na
Lab Blank	MemF (1/1)	12/16/96	< 0.0013 ± 0.0002	< 0.0004 ± 0.0000	1.3 ± 0.8	4.4 ± na
Lab Blank	CapF (1/1)	12/16/96	— ± —	— ± —	— ± —	4.2 ± na
Lab Blank	HgP (1/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	UF1 (1/1)	12/16/96	< 0.0013 ± 0.0005	< 0.0004 ± 0.0000	5.2 ± 2.9	<3 ± na
Lab Blank	UF3 (1/1)	12/16/96	< 0.0013 ± 0.0004	< 0.0004 ± 0.0000	4.0 ± 2.2	8.7 ± na
Lab Blank	THB (1/1)	12/16/96	< 0.0013 ± 0.0006	< 0.0004 ± 0.0001	1.1 ± na	4.8 ± na
Lab Blank	20LCh-1 (1/1)	12/16/96	< 0.0013 ± 0.0015	< 0.0004 ± 0.0001	2.2 ± 0.3	4.0 ± na
Lab Blank	20LCh-2 (1/1)	12/16/96	< 0.0013 ± 0.0007	< 0.0004 ± 0.0001	1.2 ± 0.7	<3 ± na
Lab Blank	20LCh-3 (1/1)	12/16/96	< 0.0013 ± 0.0003	< 0.0004 ± 0.0001	2.3 ± 0.9	4.1 ± na
Lab Blank	20LCh-4 (1/1)	12/16/96	< 0.0013 ± 0.0011	< 0.0004 ± 0.0001	1.4 ± 1.0	3.0 ± na
Lab Blank	20LCh-5 (1/1)	12/16/96	< 0.0013 ± 0.0003	< 0.0004 ± 0.0001	4.3 ± na	3.9 ± na
Lab Blank	20LCh-6 (1/1)	12/16/96	< 0.0013 ± 0.0011	< 0.0004 ± 0.0001	4.7 ± 1.2	<3 ± na
Lab Blank	UF1 (1/1)	12/16/96	< 0.0013 ± 0.0006	< 0.0004 ± 0.0001	4.5 ± 2.9	3.1 ± na
Lab Blank	HgP (2/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	12/17/96	< 0.0013 ± 0.0003	< 0.0004 ± 0.0001	1.6 ± na	6.4 ± na
Field Blank	8LCh (1/1)	12/17/96	< 0.0013 ± 0.0006	< 0.0004 ± 0.0001	3.5 ± 1.3	— ± —
Field Blank	MemF (1/1)	12/17/96	< 0.0013 ± 0.0008	< 0.0004 ± 0.0000	2.0 ± 1.8	3.1 ± na
Field Blank	CapF (1/1)	12/17/96	< 0.0013 ± 0.0008	< 0.0004 ± 0.0002	2.6 ± 2.6	— ± —
Field Blank	UF2 (1/1)	12/17/96	< 0.0013 ± 0.0009	< 0.0004 ± 0.0000	3.4 ± 3.9	<3 ± na
Field Blank	THB (1/1)	12/17/96	< 0.0013 ± 0.0003	< 0.0004 ± 0.0001	3.1 ± na	— ± —
Lab Blank	DIW (1/1)	01/06/97	< 0.002 ± 0.001	< 0.0003 ± 0.0001	< 0.8 ± 0.2	<3 ± na

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Gadolinium µg/L	Holmium µg/L	Iron (ICP-AES) µg/L	Iron (UV-Vis) µg/L
Lab Blank	UF1 (1/1)	01/05/97	< 0.002 ± 0.001	< 0.0003 ± 0.0002	2.8 ± na	— ± —
Lab Blank	MemF (1/1)	01/06/97	< 0.002 ± 0.001	< 0.0003 ± 0.0001	5.8 ± 2.6	<3 ± na
Lab Blank	CapF (1/1)	01/06/97	< 0.001 ± 0.001	< 0.0004 ± 0.0003	— ± —	— ± —
Lab Blank	UF2 (1/2)	01/06/97	< 0.002 ± 0.002	< 0.0003 ± 0.0002	5.4 ± 1.6	<3 ± na
Lab Blank	UF2 (2/2)	01/06/97	< 0.002 ± 0.002	< 0.0003 ± 0.0001	5 ± 1	<3 ± na
Lab Blank	UF3 (1/1)	01/06/97	0.011 ± 0.002	0.0010 ± 0.0002	115 ± 1	15 ± na
Lab Blank	THB (1/1)	01/06/97	< 0.002 ± 0.000	< 0.0003 ± 0.0001	4.1 ± 1.9	<3 ± na
Lab Blank	25LCb (1/1)	01/06/97	< 0.002 ± 0.000	< 0.0003 ± 0.0002	3.9 ± na	<3 ± na
Lab Blank	DIW (1/1)	01/06/97	< 0.002 ± 0.001	< 0.0003 ± 0.0002	4.7 ± 0.4	— ± —
Lab Blank	HgP (1/1)	01/06/97	— ± —	— ± —	— ± —	— ± —
Field Blank	THB (1/1)	01/06/97	< 0.002 ± 0.001	< 0.0003 ± 0.0001	2.6 ± na	<3 ± na
Lab Blank	UF2 (1/1)	05/28/97	< 0.001 ± 0.001	< 0.0004 ± 0.0002	3.9 ± 0.5	— ± —
Lab Blank	UF3 (1/1)	05/28/97	0.001 ± 0.001	< 0.0004 ± 0.0001	10.2 ± na	— ± —
Lab Blank	THB (1/1)	05/28/97	< 0.001 ± 0.001	< 0.0004 ± 0.0000	1.6 ± 0.2	— ± —
Lab Blank	HgP (1/1)	05/28/97	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/2)	06/05/97	< 0.001 ± 0.000	< 0.0004 ± 0.0001	2.2 ± na	— ± —
Field Blank	DIW (2/2)	06/05/97	< 0.001 ± 0.001	< 0.0004 ± 0.0001	2.2 ± 0.3	— ± —
Field Blank	CapF (1/3)	06/05/97	< 0.001 ± 0.001	< 0.0004 ± 0.0001	< 0.9 ± 0.2	5.6 ± 2.1
Field Blank	UFVP (1/1)	06/05/97	< 0.001 ± 0.001	< 0.0004 ± 0.0001	1.1 ± 0.6	6.9 ± 0.5
Field Blank	JyCn (1/1)	06/05/97	< 0.001 ± 0.000	< 0.0004 ± 0.0001	2.9 ± na	<3 ± 2.2
Field Blank	CapF (2/3)	06/05/97	< 0.002 ± 0.001	< 0.0005 ± 0.0002	4.1 ± 2.2	— ± —
Field Blank	CapF (3/3)	06/05/97	< 0.002 ± 0.003	< 0.0005 ± 0.0003	2.8 ± 0.9	— ± —
Field Blank	SCDI (1/1)	06/05/97	< 0.002 ± 0.003	< 0.0005 ± 0.0000	3.5 ± 3.9	— ± —
Field Blank	SCADI (1/1)	06/05/97	< 0.002 ± 0.002	< 0.0005 ± 0.0000	< 0.9 ± 0.2	— ± —
Field Blank	TfTb (1/1)	06/05/97	< 0.002 ± 0.001	< 0.0005 ± 0.0002	< 0.9 ± na	<3 ± 1.0
Lab Blank	DIW (1/1)	05/28/97	< 0.001 ± 0.000	< 0.0004 ± 0.0001	< 0.9 ± 0.2	— ± —
Lab Blank	MemF (1/1)	05/28/97	< 0.001 ± 0.001	< 0.0004 ± 0.0002	2.7 ± na	— ± —
Lab Blank	CapF (1/1)	05/28/97	< 0.001 ± 0.001	< 0.0004 ± 0.0001	< 0.7 ± 0.0	155.3 ± 6.3

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Iron (II) (UV-Vis) µg/L	Lanthanum µg/L	Lead µg/L	Lithium µg/L
Lab Blank	DIW (1/1)	07/10/96	<3 ± na	0.0002 ± 0.0002	< 0.005 ± 0.000	< 0.02 ± 0.01
Lab Blank	8LCh (1/1)	07/10/96	<3 ± na	0.0011 ± 0.0002	0.014 ± 0.001	< 0.02 ± 0.02
Lab Blank	MemF (1/1)	07/10/96	<3 ± na	0.0004 ± 0.0003	0.008 ± 0.001	< 0.02 ± 0.01
Lab Blank	CapF (1/1)	07/10/96	<3 ± na	< 0.0002 ± 0.0002	< 0.005 ± 0.001	< 0.02 ± 0.02
Lab Blank	UF1 (1/1)	07/10/96	<3 ± na	< 0.0005 ± 0.0004	< 0.004 ± 0.001	< 0.08 ± 0.08
Lab Blank	UF2 (1/1)	07/10/96	<3 ± na	< 0.0002 ± 0.0001	< 0.005 ± 0.002	< 0.02 ± 0.01
Lab Blank	UF3 (1/1)	07/12/96	<3 ± na	0.0005 ± 0.0002	0.016 ± 0.003	< 0.08 ± 0.04
Lab Blank	HgP (1/1)	07/12/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	07/17/96	<3 ± na	< 0.0002 ± 0.0001	< 0.005 ± 0.001	< 0.02 ± 0.02
Field Blank	8LCh (1/1)	07/17/96	<3 ± na	0.0023 ± 0.0002	0.022 ± 0.001	< 0.08 ± 0.05
Field Blank	MemF (1/1)	07/17/96	<3 ± na	< 0.0005 ± 0.0007	< 0.004 ± 0.001	< 0.08 ± 0.01
Field Blank	CapF (1/1)	07/17/96	<3 ± 2	0.0003 ± 0.0002	0.028 ± 0.001	< 0.02 ± 0.01
Field Blank	UF2 (1/1)	07/17/96	<3 ± na	< 0.0002 ± 0.0001	< 0.005 ± 0.001	< 0.02 ± 0.01
Field Blank	UF3 (1/1)	07/17/96	— ± —	< 0.0002 ± 0.0002	< 0.005 ± 0.002	< 0.02 ± 0.01
Field Blank	HgP (1/1)	07/17/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	09/18/96	<3 ± na	< 0.0008 ± 0.0005	< 0.004 ± 0.003	< 0.04 ± 0.01
Lab Blank	20LCh (1/1)	09/18/96	<3 ± na	< 0.0005 ± 0.0006	0.007 ± 0.001	< 0.04 ± 0.01
Lab Blank	MemF (1/1)	09/18/96	4.5 ± na	< 0.0004 ± 0.0000	< 0.008 ± 0.000	< 0.04 ± 0.04
Lab Blank	CapF (1/1)	09/18/96	<3 ± na	< 0.0004 ± 0.0003	0.029 ± 0.005	< 0.04 ± 0.01
Lab Blank	UF2 (1/1)	09/18/96	<3 ± na	< 0.0005 ± 0.0006	0.009 ± 0.004	< 0.04 ± 0.02
Lab Blank	UF3 (1/1)	09/18/96	<3 ± na	< 0.0008 ± 0.0004	0.007 ± 0.005	< 0.04 ± 0.02
Lab Blank	THB (1/1)	09/18/96	— ± —	< 0.0004 ± 0.0004	0.009 ± 0.003	< 0.04 ± 0.01
Lab Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	09/18/96	<3 ± 2.4	< 0.0008 ± 0.0003	0.009 ± 0.008	< 0.04 ± 0.01
Field Blank	20LCh (1/1)	09/18/96	3.7 ± na	< 0.0004 ± 0.0006	< 0.004 ± 0.002	< 0.04 ± 0.02
Field Blank	MemF (1/1)	09/18/96	<3 ± 0.6	< 0.0008 ± 0.0003	0.005 ± 0.002	< 0.04 ± 0.02
Field Blank	CapF (1/1)	09/18/96	<3 ± na	< 0.0004 ± 0.0000	0.007 ± 0.002	< 0.04 ± 0.02
Field Blank	UF2 (1/1)	09/18/96	<3 ± 1.8	< 0.0008 ± 0.0001	< 0.004 ± 0.004	< 0.04 ± 0.05
Field Blank	UF3 (1/1)	09/18/96	<3 ± na	0.0004 ± 0.0002	< 0.004 ± 0.001	< 0.04 ± 0.01
Field Blank	THB (1/1)	09/18/96	<3 ± na	< 0.0004 ± 0.0004	< 0.004 ± 0.004	< 0.04 ± 0.03
Field Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	11/13/96	<3 ± na	< 0.0007 ± 0.0005	< 0.007 ± 0.011	< 0.02 ± 0.00
Lab Blank	8LCh (1/1)	11/13/96	<3 ± na	< 0.0007 ± 0.0005	< 0.005 ± 0.001	< 0.02 ± 0.01
Lab Blank	MemF (1/1)	11/13/96	<3 ± na	0.0013 ± 0.0010	0.008 ± 0.000	< 0.02 ± 0.01

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Iron (II) (UV-Vis) µg/L	Lanthanum µg/L	Lead µg/L	Lithium µg/L
Lab Blank	CapF (1/1)	11/14/96	<3 ± na	< 0.0007 ± 0.0002	< 0.005 ± 0.013	< 0.02 ± 0.02
Lab Blank	UF2 (1/1)	11/13/96	<3 ± na	< 0.0007 ± 0.0004	< 0.005 ± 0.001	< 0.02 ± 0.00
Lab Blank	UF3 (1/1)	11/13/96	<3 ± na	0.0010 ± 0.0006	< 0.005 ± 0.010	< 0.02 ± 0.00
Lab Blank	THB (1/1)	11/13/96	— ± —	< 0.0007 ± 0.0001	0.006 ± 0.007	< 0.02 ± 0.02
Lab Blank	HgP (1/1)	11/13/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	11/20/96	<3 ± na	< 0.0007 ± 0.0001	< 0.005 ± 0.005	< 0.02 ± 0.01
Field Blank	8LCh (1/1)	11/20/96	<3 ± 0.0	0.0008 ± 0.0004	< 0.005 ± 0.013	< 0.02 ± 0.02
Field Blank	MemF (1/1)	11/20/96	<3 ± 0.4	< 0.0007 ± 0.0005	< 0.005 ± 0.001	< 0.02 ± 0.01
Field Blank	CapF (1/1)	11/20/96	<3 ± na	< 0.0007 ± 0.0000	< 0.005 ± 0.002	< 0.02 ± 0.01
Field Blank	UF1 (1/1)	11/20/96	<3 ± 0.0	< 0.0007 ± 0.0002	< 0.005 ± 0.006	< 0.02 ± 0.01
Field Blank	UF3 (1/1)	11/20/96	<3 ± na	< 0.0007 ± 0.0004	< 0.005 ± 0.001	< 0.02 ± 0.00
Field Blank	THB (1/1)	11/20/96	— ± —	0.0023 ± 0.0000	< 0.005 ± 0.001	< 0.02 ± 0.01
Field Blank	CapF (1/1)	11/20/96	— ± —	< 0.0007 ± 0.0001	< 0.005 ± 0.003	< 0.02 ± 0.00
Field Blank	HgP (1/1)	11/20/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	12/16/96	<3 ± na	< 0.0004 ± 0.0003	< 0.003 ± 0.000	< 0.03 ± 0.01
Lab Blank	MemF (1/1)	12/16/96	<3 ± na	< 0.0004 ± 0.0002	0.006 ± 0.003	< 0.03 ± 0.01
Lab Blank	CapF (1/1)	12/16/96	<3 ± na	— ± —	— ± —	— ± —
Lab Blank	HgP (1/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	UF1 (1/1)	12/16/96	<3 ± na	< 0.0004 ± 0.0004	0.004 ± 0.002	< 0.03 ± 0.01
Lab Blank	UF3 (1/1)	12/16/96	<3 ± na	< 0.0004 ± 0.0002	0.004 ± 0.005	< 0.03 ± 0.01
Lab Blank	THB (1/1)	12/16/96	<3 ± na	< 0.0004 ± 0.0003	0.006 ± 0.005	< 0.03 ± 0.02
Lab Blank	20LCh-1 (1/1)	12/16/96	<3 ± na	< 0.0004 ± 0.0005	< 0.003 ± 0.004	< 0.03 ± 0.00
Lab Blank	20LCh-2 (1/1)	12/16/96	<3 ± na	< 0.0004 ± 0.0002	< 0.003 ± 0.001	< 0.03 ± 0.01
Lab Blank	20LCh-3 (1/1)	12/16/96	<3 ± na	< 0.0004 ± 0.0002	0.005 ± 0.002	< 0.03 ± 0.01
Lab Blank	20LCh-4 (1/1)	12/16/96	<3 ± na	< 0.0004 ± 0.0004	< 0.003 ± 0.004	< 0.03 ± 0.01
Lab Blank	20LCh-5 (1/1)	12/16/96	<3 ± na	0.0014 ± 0.0003	< 0.012 ± 0.010	< 0.03 ± 0.02
Lab Blank	20LCh-6 (1/1)	12/16/96	<3 ± na	< 0.0004 ± 0.0003	0.010 ± 0.008	< 0.03 ± 0.01
Lab Blank	UF1 (1/1)	12/16/96	<3 ± na	< 0.0004 ± 0.0002	< 0.003 ± 0.002	< 0.03 ± 0.01
Lab Blank	HgP (2/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	12/17/96	<3 ± na	0.0005 ± 0.0001	0.012 ± 0.002	< 0.03 ± 0.03
Field Blank	8LCh (1/1)	12/17/96	— ± —	0.0006 ± 0.0003	0.007 ± 0.004	< 0.03 ± 0.00
Field Blank	MemF (1/1)	12/17/96	<3 ± na	< 0.0004 ± 0.0001	0.020 ± 0.001	< 0.03 ± 0.01
Field Blank	CapF (1/1)	12/17/96	— ± —	< 0.0004 ± 0.0002	0.010 ± 0.008	< 0.03 ± 0.01
Field Blank	UF2 (1/1)	12/17/96	<3 ± na	< 0.0004 ± 0.0000	0.004 ± 0.003	< 0.03 ± 0.00
Field Blank	THB (1/1)	12/17/96	— ± —	0.0012 ± 0.0009	0.007 ± 0.004	< 0.03 ± 0.01
Lab Blank	DIW (1/1)	01/06/97	<3 ± na	< 0.0006 ± 0.0002	< 0.004 ± 0.002	< 0.07 ± 0.00

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Iron (II) (UV-Vis) µg/L	Lanthanum µg/L	Lead µg/L	Lithium µg/L
Lab Blank	UF1 (1/1)	01/05/97	— ± —	< 0.0006 ± 0.0000	< 0.004 ± 0.001	< 0.07 ± 0.00
Lab Blank	MemF (1/1)	01/06/97	<3 ± na	< 0.0006 ± 0.0002	< 0.004 ± 0.003	< 0.07 ± 0.00
Lab Blank	CapF (1/1)	01/06/97	— ± —	< 0.0004 ± 0.0003	0.03 ± 0.00	< 0.5 ± 0.5
Lab Blank	UF2 (1/2)	01/06/97	<3 ± na	< 0.0006 ± 0.0003	< 0.004 ± 0.003	< 0.07 ± 0.02
Lab Blank	UF2 (2/2)	01/06/97	<3 ± na	< 0.0006 ± 0.0001	0.004 ± 0.003	< 0.06 ± 0.01
Lab Blank	UF3 (1/1)	01/06/97	<3 ± na	0.0190 ± 0.0008	0.027 ± 0.002	< 0.07 ± 0.01
Lab Blank	THB (1/1)	01/06/97	<3 ± na	< 0.0006 ± 0.0002	< 0.004 ± 0.002	< 0.07 ± 0.03
Lab Blank	25LCb (1/1)	01/06/97	<3 ± na	< 0.0006 ± 0.0003	0.007 ± 0.001	< 0.07 ± 0.00
Lab Blank	DIW (1/1)	01/06/97	— ± —	< 0.0006 ± 0.0001	0.083 ± 0.006	< 0.07 ± 0.03
Lab Blank	HgP (1/1)	01/06/97	— ± —	— ± —	— ± —	— ± —
Field Blank	THB (1/1)	01/06/97	<3 ± na	< 0.0006 ± 0.0001	< 0.004 ± 0.001	< 0.07 ± 0.01
Lab Blank	UF2 (1/1)	05/28/97	— ± —	< 0.0004 ± 0.0001	< 0.01 ± 0.01	< 0.5 ± 0.2
Lab Blank	UF3 (1/1)	05/28/97	— ± —	0.0020 ± 0.0006	0.01 ± 0.01	< 0.5 ± 0.2
Lab Blank	THB (1/1)	05/28/97	— ± —	< 0.0004 ± 0.0001	< 0.01 ± 0.00	< 0.5 ± 0.2
Lab Blank	HgP (1/1)	05/28/97	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/2)	06/05/97	— ± —	0.0004 ± 0.0001	< 0.01 ± 0.00	< 0.5 ± 0.2
Field Blank	DIW (2/2)	06/05/97	— ± —	< 0.0004 ± 0.0003	< 0.008 ± 0.000	< 0.5 ± 0.1
Field Blank	CapF (1/3)	06/05/97	<3 ± 1.1	< 0.0004 ± 0.0002	< 0.01 ± 0.00	< 0.5 ± 0.1
Field Blank	UFVP (1/1)	06/05/97	<3 ± 2.2	< 0.0004 ± 0.0001	< 0.01 ± 0.00	< 0.5 ± 0.1
Field Blank	JyCn (1/1)	06/05/97	<3 ± 0.2	0.0006 ± 0.0003	< 0.01 ± 0.00	< 0.5 ± 0.2
Field Blank	CapF (2/3)	06/05/97	— ± —	< 0.0006 ± 0.0002	< 0.008 ± 0.001	< 0.2 ± 0.1
Field Blank	CapF (3/3)	06/05/97	— ± —	< 0.0006 ± 0.0004	< 0.008 ± 0.000	< 0.2 ± 0.3
Field Blank	SCDI (1/1)	06/05/97	— ± —	< 0.0006 ± 0.0007	< 0.01 ± 0.01	< 0.2 ± 0.1
Field Blank	SCADI (1/1)	06/05/97	— ± —	< 0.0006 ± 0.0004	< 0.01 ± 0.00	0.2 ± 0.8
Field Blank	TfTb (1/1)	06/05/97	<3 ± 0.6	< 0.0006 ± 0.0005	< 0.01 ± 0.00	< 0.2 ± 0.0
Lab Blank	DIW (1/1)	05/28/97	— ± —	< 0.0004 ± 0.0004	< 0.01 ± 0.00	< 0.5 ± 0.2
Lab Blank	MemF (1/1)	05/28/97	— ± —	< 0.0004 ± 0.0002	< 0.008 ± 0.003	< 0.5 ± 0.2
Lab Blank	CapF (1/1)	05/28/97	<3 ± 2.3	< 0.0004 ± 0.0002	< 0.008 ± 0.001	< 0.5 ± 0.1

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Lutetium µg/L	Magnesium µg/L	Manganese µg/L	Mercury µg/L
Lab Blank	DIW (1/1)	07/10/96	< 0.0003 ± 0.0001	< 0.001 ± 0.000	< 0.005 ± 0.002	0.0005 ± 0.0002
Lab Blank	8LCh (1/1)	07/10/96	< 0.0003 ± 0.0001	0.003 ± 0.000	0.14 ± 0.00	<0.0004 ± 0.0001
Lab Blank	MemF (1/1)	07/10/96	< 0.0003 ± 0.0001	< 0.001 ± 0.000	0.006 ± 0.002	0.0005 ± 0.0002
Lab Blank	CapF (1/1)	07/10/96	< 0.0003 ± 0.0000	< 0.001 ± 0.000	0.007 ± 0.004	0.0007 ± 0.0001
Lab Blank	UF1 (1/1)	07/10/96	< 0.0006 ± 0.0001	< 0.001 ± 0.000	< 0.02 ± 0.00	<0.0004 ± 0.0001
Lab Blank	UF2 (1/1)	07/10/96	< 0.0003 ± 0.0000	< 0.001 ± 0.000	< 0.005 ± 0.001	<0.0004 ± 0.0001
Lab Blank	UF3 (1/1)	07/12/96	< 0.0006 ± 0.0002	< 0.001 ± 0.000	0.03 ± 0.01	— ± —
Lab Blank	HgP (1/1)	07/12/96	— ± —	— ± —	— ± —	0.0007 ± 0.0001
Field Blank	DIW (1/1)	07/17/96	< 0.0003 ± 0.0001	< 0.003 ± 0.000	0.009 ± 0.003	<0.0004 ± 0.0001
Field Blank	8LCh (1/1)	07/17/96	< 0.0006 ± 0.0002	0.004 ± 0.001	0.31 ± 0.03	0.0022 ± 0.0003
Field Blank	MemF (1/1)	07/17/96	< 0.0006 ± 0.0002	0.016 ± 0.026	< 0.02 ± 0.03	0.0006 ± 0.0001
Field Blank	CapF (1/1)	07/17/96	< 0.0003 ± 0.0001	< 0.003 ± 0.000	0.14 ± 0.00	0.0059 ± 0.0013
Field Blank	UF2 (1/1)	07/17/96	< 0.0003 ± 0.0001	< 0.003 ± 0.002	0.017 ± 0.006	<0.0004 ± 0.0000
Field Blank	UF3 (1/1)	07/17/96	< 0.0003 ± 0.0001	< 0.003 ± 0.002	0.005 ± 0.001	0.0008 ± 0.0002
Field Blank	HgP (1/1)	07/17/96	— ± —	— ± —	— ± —	<0.0004 ± 0.0003
Lab Blank	DIW (1/1)	09/18/96	< 0.0008 ± 0.0001	< 0.009 ± 0.005	< 0.02 ± 0.01	< 0.0004 ± 0.0002
Lab Blank	20LCh (1/1)	09/18/96	< 0.0004 ± 0.0001	< 0.006 ± 0.003	< 0.03 ± 0.01	< 0.0004 ± 0.0001
Lab Blank	MemF (1/1)	09/18/96	< 0.0003 ± 0.0001	< 0.004 ± 0.002	0.031 ± 0.007	< 0.0004 ± 0.0002
Lab Blank	CapF (1/1)	09/18/96	< 0.0003 ± 0.0002	< 0.006 ± 0.000	0.015 ± 0.026	0.0004 ± 0.0001
Lab Blank	UF2 (1/1)	09/18/96	< 0.0004 ± 0.0002	< 0.006 ± 0.000	< 0.03 ± 0.01	< 0.0004 ± 0.0002
Lab Blank	UF3 (1/1)	09/18/96	< 0.0008 ± 0.0001	< 0.009 ± 0.001	0.02 ± 0.00	— ± —
Lab Blank	THB (1/1)	09/18/96	< 0.0003 ± 0.0004	< 0.006 ± 0.001	0.33 ± 0.03	— ± —
Lab Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	0.0004 ± 0.0001
Field Blank	DIW (1/1)	09/18/96	< 0.0008 ± 0.0004	< 0.008 ± 0.008	< 0.02 ± 0.00	< 0.0004 ± 0.0001
Field Blank	20LCh (1/1)	09/18/96	< 0.0003 ± 0.0003	< 0.004 ± 0.001	< 0.014 ± 0.010	0.0007 ± 0.0001
Field Blank	MemF (1/1)	09/18/96	< 0.0008 ± 0.0002	< 0.008 ± 0.001	0.03 ± 0.01	< 0.0004 ± 0.0003
Field Blank	CapF (1/1)	09/18/96	< 0.0003 ± 0.0003	< 0.004 ± 0.001	< 0.014 ± 0.002	< 0.0004 ± 0.0002
Field Blank	UF2 (1/1)	09/18/96	< 0.0008 ± 0.0000	< 0.008 ± 0.001	< 0.02 ± 0.00	0.0005 ± 0.0001
Field Blank	UF3 (1/1)	09/18/96	< 0.0003 ± 0.0002	< 0.004 ± 0.001	0.040 ± 0.007	< 0.0004 ± 0.0002
Field Blank	THB (1/1)	09/18/96	< 0.0003 ± 0.0001	< 0.004 ± 0.002	< 0.014 ± 0.002	< 0.0004 ± 0.0003
Field Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	< 0.0004 ± 0.0002
Lab Blank	DIW (1/1)	11/13/96	< 0.0007 ± 0.0003	< 0.003 ± 0.000	< 0.04 ± 0.03	< 0.0004 ± 0.0002
Lab Blank	8LCh (1/1)	11/13/96	< 0.0007 ± 0.0003	< 0.003 ± 0.000	0.06 ± 0.02	< 0.0004 ± 0.0002
Lab Blank	MemF (1/1)	11/13/96	< 0.0007 ± 0.0002	< 0.003 ± 0.000	< 0.04 ± 0.01	< 0.0004 ± 0.0001

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Lutetium µg/L	Magnesium µg/L	Manganese µg/L	Mercury µg/L
Lab Blank	CapF (1/1)	11/14/96	< 0.0007 ± 0.0003	< 0.003 ± 0.001	< 0.04 ± 0.00	0.0025 ± 0.0001
Lab Blank	UF2 (1/1)	11/13/96	< 0.0007 ± 0.0001	< 0.003 ± 0.000	< 0.04 ± 0.02	0.0008 ± 0.0001
Lab Blank	UF3 (1/1)	11/13/96	< 0.0007 ± 0.0005	< 0.003 ± 0.000	< 0.04 ± 0.01	— ± —
Lab Blank	THB (1/1)	11/13/96	< 0.0007 ± 0.0001	< 0.003 ± 0.001	< 0.04 ± 0.02	— ± —
Lab Blank	HgP (1/1)	11/13/96	— ± —	— ± —	— ± —	0.0007 ± 0.0001
Field Blank	DIW (1/1)	11/20/96	< 0.0007 ± 0.0003	< 0.003 ± 0.000	< 0.04 ± 0.01	0.0012 ± 0.0001
Field Blank	8LCh (1/1)	11/20/96	< 0.0007 ± 0.0002	< 0.003 ± 0.000	0.10 ± 0.01	0.0011 ± 0.0000
Field Blank	MemF (1/1)	11/20/96	< 0.0007 ± 0.0003	< 0.003 ± 0.000	0.09 ± 0.02	0.0012 ± 0.0002
Field Blank	CapF (1/1)	11/20/96	< 0.0007 ± 0.0002	< 0.003 ± 0.000	< 0.04 ± 0.01	0.0010 ± 0.0002
Field Blank	UF1 (1/1)	11/20/96	< 0.0007 ± 0.0005	< 0.0008 ± 0.0003	< 0.04 ± 0.02	0.0011 ± 0.0001
Field Blank	UF3 (1/1)	11/20/96	< 0.0007 ± 0.0003	< 0.0008 ± 0.0004	< 0.04 ± 0.01	0.0009 ± 0.0004
Field Blank	THB (1/1)	11/20/96	< 0.0007 ± 0.0003	0.0047 ± 0.0075	0.15 ± 0.04	0.0012 ± 0.0001
Field Blank	CapF (1/1)	11/20/96	< 0.0007 ± 0.0003	< 0.0011 ± 0.0003	< 0.04 ± 0.02	0.0012 ± 0.0001
Field Blank	HgP (1/1)	11/20/96	— ± —	— ± —	— ± —	0.0004 ± 0.0003
Lab Blank	DIW (1/1)	12/16/96	< 0.0002 ± 0.0002	< 0.009 ± 0.000	< 0.012 ± 0.001	0.0007 ± 0.0002
Lab Blank	MemF (1/1)	12/16/96	< 0.0002 ± 0.0000	< 0.018 ± 0.002	< 0.012 ± 0.019	< 0.0004 ± 0.0003
Lab Blank	CapF (1/1)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	HgP (1/2)	12/16/96	— ± —	— ± —	— ± —	< 0.0004 ± 0.0001
Lab Blank	UF1 (1/1)	12/16/96	< 0.0002 ± 0.0001	< 0.009 ± 0.001	< 0.012 ± 0.002	0.0014 ± 0.0001
Lab Blank	UF3 (1/1)	12/16/96	< 0.0002 ± 0.0001	< 0.009 ± 0.001	< 0.012 ± 0.003	0.0010 ± 0.0002
Lab Blank	THB (1/1)	12/16/96	< 0.0002 ± 0.0001	< 0.018 ± 0.001	< 0.012 ± 0.003	— ± —
Lab Blank	20LCh-1 (1/1)	12/16/96	< 0.0002 ± 0.0001	< 0.018 ± 0.004	0.022 ± 0.005	< 0.0004 ± 0.0002
Lab Blank	20LCh-2 (1/1)	12/16/96	< 0.0002 ± 0.0000	< 0.018 ± 0.008	< 0.012 ± 0.002	0.0005 ± 0.0003
Lab Blank	20LCh-3 (1/1)	12/16/96	< 0.0002 ± 0.0001	< 0.009 ± 0.001	0.073 ± 0.009	0.0007 ± 0.0002
Lab Blank	20LCh-4 (1/1)	12/16/96	< 0.0002 ± 0.0001	< 0.018 ± 0.001	< 0.012 ± 0.002	0.0010 ± 0.0000
Lab Blank	20LCh-5 (1/1)	12/16/96	< 0.0002 ± 0.0001	< 0.018 ± 0.003	< 0.03 ± 0.03	0.0004 ± 0.0001
Lab Blank	20LCh-6 (1/1)	12/16/96	< 0.0002 ± 0.0001	< 0.009 ± 0.000	< 0.012 ± 0.004	0.0008 ± 0.0004
Lab Blank	UF1 (1/1)	12/16/96	0.0004 ± 0.0001	< 0.007 ± 0.001	< 0.012 ± 0.004	0.0006 ± 0.0002
Lab Blank	HgP (2/2)	12/16/96	— ± —	— ± —	— ± —	0.0005 ± 0.0001
Field Blank	DIW (1/1)	12/17/96	< 0.0002 ± 0.0001	< 0.007 ± 0.001	< 0.012 ± 0.013	< 0.0004 ± 0.0003
Field Blank	8LCh (1/1)	12/17/96	< 0.0002 ± 0.0001	< 0.007 ± 0.000	0.036 ± 0.003	0.0012 ± 0.0002
Field Blank	MemF (1/1)	12/17/96	< 0.0002 ± 0.0001	< 0.009 ± 0.002	0.097 ± 0.006	0.0009 ± 0.0001
Field Blank	CapF (1/1)	12/17/96	< 0.0002 ± 0.0001	< 0.007 ± 0.000	0.024 ± 0.014	0.0005 ± 0.0001
Field Blank	UF2 (1/1)	12/17/96	< 0.0002 ± 0.0002	< 0.009 ± 0.000	< 0.012 ± 0.003	0.0007 ± 0.0001
Field Blank	THB (1/1)	12/17/96	< 0.0002 ± 0.0001	< 0.009 ± 0.000	0.178 ± 0.003	0.0015 ± 0.0001
Lab Blank	DIW (1/1)	01/06/97	< 0.0005 ± 0.0001	< 0.007 ± 0.000	< 0.014 ± 0.003	< 0.0004 ± 0.0003

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Lutetium µg/L	Magnesium µg/L	Manganese µg/L	Mercury µg/L
Lab Blank	UF1 (1/1)	01/05/97	< 0.0005 ± 0.0002	< 0.007 ± 0.000	< 0.014 ± 0.002	< 0.0004 ± 0.0002
Lab Blank	MemF (1/1)	01/06/97	< 0.0005 ± 0.0001	< 0.007 ± 0.000	< 0.014 ± 0.007	0.0005 ± 0.0002
Lab Blank	CapF (1/1)	01/06/97	< 0.0003 ± 0.0002	na ± na	0.02 ± 0.00	< 0.0004 ± 0.0001
Lab Blank	UF2 (1/2)	01/06/97	< 0.0005 ± 0.0001	< 0.007 ± 0.000	< 0.014 ± 0.002	< 0.0004 ± 0.0002
Lab Blank	UF2 (2/2)	01/06/97	< 0.0005 ± 0.0003	< 0.004 ± 0.000	< 0.05 ± 0.01	— ± —
Lab Blank	UF3 (1/1)	01/06/97	< 0.0005 ± 0.0001	0.033 ± 0.000	1.49 ± 0.03	0.0007 ± 0.0003
Lab Blank	THB (1/1)	01/06/97	< 0.0005 ± 0.0001	< 0.007 ± 0.002	< 0.014 ± 0.003	— ± —
Lab Blank	25LCb (1/1)	01/06/97	< 0.0005 ± 0.0001	< 0.007 ± 0.000	< 0.014 ± 0.003	0.0006 ± 0.0002
Lab Blank	DIW (1/1)	01/06/97	< 0.0005 ± 0.0001	< 0.007 ± 0.001	0.016 ± 0.009	< 0.0004 ± 0.0004
Lab Blank	HgP (1/1)	01/06/97	— ± —	— ± —	— ± —	0.0010 ± 0.0003
Field Blank	THB (1/1)	01/06/97	< 0.0005 ± 0.0000	< 0.007 ± 0.003	< 0.014 ± 0.008	0.0017 ± 0.0003
Lab Blank	UF2 (1/1)	05/28/97	< 0.0003 ± 0.0001	< 0.001 ± 0.000	< 0.01 ± 0.01	0.0007 ± 0.0004
Lab Blank	UF3 (1/1)	05/28/97	< 0.0003 ± 0.0002	0.002 ± 0.001	0.23 ± 0.02	— ± —
Lab Blank	THB (1/1)	05/28/97	< 0.0003 ± 0.0001	< 0.001 ± 0.000	0.06 ± 0.01	0.0017 ± 0.0003
Lab Blank	HgP (1/1)	05/28/97	— ± —	— ± —	— ± —	0.0006 ± 0.0003
Field Blank	DIW (1/2)	06/05/97	< 0.0003 ± 0.0002	< 0.001 ± 0.000	0.04 ± 0.01	0.0018 ± 0.0001
Field Blank	DIW (2/2)	06/05/97	< 0.0003 ± 0.0001	< 0.001 ± 0.000	0.036 ± 0.002	0.0021 ± 0.0003
Field Blank	CapF (1/3)	06/05/97	< 0.0003 ± 0.0002	< 0.001 ± 0.001	0.07 ± 0.01	0.0021 ± 0.0002
Field Blank	UFVP (1/1)	06/05/97	< 0.0003 ± 0.0001	< 0.001 ± 0.000	< 0.006 ± 0.005	0.0005 ± 0.0002
Field Blank	JyCn (1/1)	06/05/97	< 0.0003 ± 0.0002	< 0.001 ± 0.000	0.55 ± 0.01	< 0.0004 ± 0.0003
Field Blank	CapF (2/3)	06/05/97	< 0.0002 ± 0.0002	< 0.001 ± 0.000	0.06 ± 0.00	0.0006 ± 0.0002
Field Blank	CapF (3/3)	06/05/97	0.0004 ± 0.0001	< 0.001 ± 0.000	0.08 ± 0.01	0.0012 ± 0.0005
Field Blank	SCDI (1/1)	06/05/97	< 0.0002 ± 0.0002	< 0.003 ± 0.002	0.018 ± 0.011	0.0034 ± 0.0005
Field Blank	SCADI (1/1)	06/05/97	< 0.0002 ± 0.0004	< 0.003 ± 0.002	0.13 ± 0.02	0.0025 ± 0.0003
Field Blank	TfTb (1/1)	06/05/97	0.0004 ± 0.0002	< 0.003 ± 0.001	< 0.008 ± 0.012	0.0039 ± 0.0001
Lab Blank	DIW (1/1)	05/28/97	< 0.0003 ± 0.0002	< 0.001 ± 0.000	< 0.01 ± 0.00	0.0005 ± 0.0001
Lab Blank	MemF (1/1)	05/28/97	< 0.0003 ± 0.0001	< 0.001 ± 0.000	0.071 ± 0.002	0.0011 ± 0.0002
Lab Blank	CapF (1/1)	05/28/97	< 0.0003 ± 0.0000	< 0.001 ± 0.000	< 0.006 ± 0.005	0.0012 ± 0.0000

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Molybdenum µg/L	Neodymium µg/L	Nickel µg/L	Potassium mg/L
Lab Blank	DIW (1/1)	07/10/96	< 0.02 ± 0.01	< 0.0014 ± 0.0002	< 0.11 ± 0.04	< 0.01 ± 0.00
Lab Blank	8LCh (1/1)	07/10/96	< 0.02 ± 0.01	< 0.0014 ± 0.0006	0.12 ± 0.00	< 0.01 ± 0.00
Lab Blank	MemF (1/1)	07/10/96	< 0.02 ± 0.01	< 0.0014 ± 0.0008	< 0.11 ± 0.05	< 0.01 ± 0.00
Lab Blank	CapF (1/1)	07/10/96	< 0.02 ± 0.01	< 0.0014 ± 0.0006	< 0.11 ± 0.05	< 0.01 ± 0.00
Lab Blank	UF1 (1/1)	07/10/96	< 0.017 ± 0.009	< 0.003 ± 0.002	< 0.02 ± 0.03	< 0.01 ± 0.00
Lab Blank	UF2 (1/1)	07/10/96	< 0.02 ± 0.01	< 0.0014 ± 0.0008	< 0.11 ± 0.04	< 0.01 ± 0.00
Lab Blank	UF3 (1/1)	07/12/96	< 0.017 ± 0.001	< 0.003 ± 0.002	0.14 ± 0.00	< 0.01 ± 0.00
Lab Blank	HgP (1/1)	07/12/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	07/17/96	< 0.02 ± 0.01	< 0.0014 ± 0.0008	< 0.11 ± 0.05	< 0.01 ± 0.00
Field Blank	8LCh (1/1)	07/17/96	< 0.017 ± 0.021	< 0.003 ± 0.002	0.25 ± 0.01	< 0.01 ± 0.00
Field Blank	MemF (1/1)	07/17/96	< 0.017 ± 0.013	< 0.003 ± 0.002	< 0.02 ± 0.05	< 0.01 ± 0.00
Field Blank	CapF (1/1)	07/17/96	< 0.02 ± 0.01	< 0.0014 ± 0.0004	< 0.11 ± 0.05	< 0.01 ± 0.00
Field Blank	UF2 (1/1)	07/17/96	< 0.02 ± 0.01	< 0.0014 ± 0.0002	< 0.11 ± 0.05	< 0.01 ± 0.00
Field Blank	UF3 (1/1)	07/17/96	< 0.02 ± 0.03	< 0.0014 ± 0.0005	< 0.11 ± 0.04	< 0.01 ± 0.00
Field Blank	HgP (1/1)	07/17/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	09/18/96	< 0.04 ± 0.00	< 0.003 ± 0.003	< 0.02 ± 0.00	< 0.01 ± 0.00
Lab Blank	20LCh (1/1)	09/18/96	< 0.04 ± 0.02	< 0.003 ± 0.002	< 0.11 ± 0.00	< 0.01 ± 0.00
Lab Blank	MemF (1/1)	09/18/96	< 0.05 ± 0.00	< 0.002 ± 0.001	0.019 ± 0.004	< 0.01 ± 0.01
Lab Blank	CapF (1/1)	09/18/96	< 0.05 ± 0.02	< 0.002 ± 0.000	0.027 ± 0.002	< 0.01 ± 0.00
Lab Blank	UF2 (1/1)	09/18/96	0.09 ± 0.00	< 0.003 ± 0.001	< 0.11 ± 0.01	0.01 ± 0.01
Lab Blank	UF3 (1/1)	09/18/96	< 0.04 ± 0.00	< 0.003 ± 0.001	0.03 ± 0.01	< 0.01 ± 0.00
Lab Blank	THB (1/1)	09/18/96	< 0.05 ± 0.01	< 0.002 ± 0.001	0.88 ± 0.01	< 0.01 ± 0.00
Lab Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	09/18/96	0.13 ± 0.00	< 0.003 ± 0.002	< 0.02 ± 0.01	< 0.01 ± 0.00
Field Blank	20LCh (1/1)	09/18/96	< 0.05 ± 0.00	< 0.002 ± 0.002	0.020 ± 0.020	< 0.01 ± 0.00
Field Blank	MemF (1/1)	09/18/96	< 0.04 ± 0.03	< 0.003 ± 0.003	< 0.02 ± 0.01	< 0.01 ± 0.00
Field Blank	CapF (1/1)	09/18/96	< 0.05 ± 0.01	< 0.002 ± 0.002	0.063 ± 0.021	< 0.01 ± 0.00
Field Blank	UF2 (1/1)	09/18/96	< 0.04 ± 0.02	< 0.003 ± 0.002	< 0.02 ± 0.01	< 0.01 ± 0.00
Field Blank	UF3 (1/1)	09/18/96	< 0.05 ± 0.02	< 0.002 ± 0.001	< 0.016 ± 0.010	< 0.01 ± 0.00
Field Blank	THB (1/1)	09/18/96	< 0.05 ± 0.04	< 0.002 ± 0.001	< 0.016 ± 0.012	< 0.01 ± 0.00
Field Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	11/13/96	< 0.07 ± 0.04	< 0.003 ± 0.001	< 0.02 ± 0.01	< 0.01 ± 0.00
Lab Blank	8LCh (1/1)	11/13/96	< 0.07 ± 0.03	< 0.003 ± 0.001	< 0.02 ± 0.01	< 0.01 ± 0.00
Lab Blank	MemF (1/1)	11/13/96	< 0.07 ± 0.02	< 0.003 ± 0.001	0.02 ± 0.01	< 0.01 ± 0.00

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Molybdenum µg/L	Neodymium µg/L	Nickel µg/L	Potassium mg/L
Lab Blank	CapF (1/1)	11/14/96	< 0.07 ± 0.00	< 0.003 ± 0.001	0.03 ± 0.00	0.02 ± NA
Lab Blank	UF2 (1/1)	11/13/96	< 0.07 ± 0.02	< 0.003 ± 0.001	< 0.02 ± 0.01	< 0.01 ± 0.00
Lab Blank	UF3 (1/1)	11/13/96	< 0.07 ± 0.09	< 0.003 ± 0.001	0.04 ± 0.03	< 0.01 ± 0.00
Lab Blank	THB (1/1)	11/13/96	< 0.07 ± 0.05	< 0.003 ± 0.002	< 0.02 ± 0.00	< 0.01 ± 0.00
Lab Blank	HgP (1/1)	11/13/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	11/20/96	< 0.07 ± 0.04	< 0.003 ± 0.002	0.03 ± 0.01	< 0.01 ± 0.00
Field Blank	8LCh (1/1)	11/20/96	< 0.07 ± 0.03	< 0.003 ± 0.001	0.14 ± 0.01	< 0.01 ± 0.00
Field Blank	MemF (1/1)	11/20/96	< 0.07 ± 0.04	< 0.003 ± 0.001	0.11 ± 0.01	< 0.01 ± 0.00
Field Blank	CapF (1/1)	11/20/96	< 0.07 ± 0.02	< 0.003 ± 0.000	0.08 ± 0.01	< 0.01 ± 0.00
Field Blank	UF1 (1/1)	11/20/96	< 0.07 ± 0.02	< 0.003 ± 0.001	< 0.02 ± 0.00	< 0.01 ± 0.00
Field Blank	UF3 (1/1)	11/20/96	< 0.07 ± 0.02	< 0.003 ± 0.001	< 0.02 ± 0.00	< 0.01 ± 0.00
Field Blank	THB (1/1)	11/20/96	< 0.07 ± 0.04	< 0.003 ± 0.000	0.11 ± 0.00	< 0.01 ± 0.00
Field Blank	CapF (1/1)	11/20/96	< 0.07 ± 0.05	< 0.003 ± 0.000	< 0.02 ± 0.02	< 0.01 ± 0.00
Field Blank	HgP (1/1)	11/20/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	12/16/96	< 0.03 ± 0.03	< 0.0019 ± 0.0003	< 0.012 ± 0.017	< 0.01 ± 0.00
Lab Blank	MemF (1/1)	12/16/96	< 0.03 ± 0.02	< 0.0019 ± 0.0004	< 0.012 ± 0.001	< 0.01 ± 0.00
Lab Blank	CapF (1/1)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	HgP (1/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	UF1 (1/1)	12/16/96	0.03 ± 0.02	< 0.0019 ± 0.0012	< 0.012 ± 0.008	0.02 ± 0.02
Lab Blank	UF3 (1/1)	12/16/96	< 0.03 ± 0.02	< 0.0019 ± 0.0009	< 0.012 ± 0.003	< 0.01 ± 0.00
Lab Blank	THB (1/1)	12/16/96	< 0.03 ± 0.01	< 0.0019 ± 0.0003	< 0.012 ± 0.019	< 0.01 ± 0.00
Lab Blank	20LCh-1 (1/1)	12/16/96	< 0.03 ± 0.01	< 0.0019 ± 0.0003	0.054 ± 0.011	< 0.01 ± 0.00
Lab Blank	20LCh-2 (1/1)	12/16/96	< 0.03 ± 0.00	< 0.0019 ± 0.0016	< 0.012 ± 0.014	< 0.01 ± 0.00
Lab Blank	20LCh-3 (1/1)	12/16/96	< 0.03 ± 0.01	< 0.0019 ± 0.0005	0.41 ± 0.03	< 0.01 ± 0.00
Lab Blank	20LCh-4 (1/1)	12/16/96	< 0.03 ± 0.00	< 0.0019 ± 0.0006	< 0.012 ± 0.006	< 0.01 ± 0.00
Lab Blank	20LCh-5 (1/1)	12/16/96	< 0.03 ± 0.02	< 0.0019 ± 0.0014	< 0.012 ± 0.006	< 0.01 ± 0.00
Lab Blank	20LCh-6 (1/1)	12/16/96	< 0.03 ± 0.00	< 0.0019 ± 0.0008	< 0.012 ± 0.017	< 0.01 ± 0.00
Lab Blank	UF1 (1/1)	12/16/96	< 0.03 ± 0.00	< 0.0019 ± 0.0003	< 0.012 ± 0.005	< 0.01 ± 0.00
Lab Blank	HgP (2/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	12/17/96	< 0.03 ± 0.00	< 0.0019 ± 0.0007	0.019 ± 0.038	< 0.01 ± 0.00
Field Blank	8LCh (1/1)	12/17/96	< 0.03 ± 0.01	0.0021 ± 0.0011	0.025 ± 0.005	< 0.01 ± 0.00
Field Blank	MemF (1/1)	12/17/96	< 0.03 ± 0.00	< 0.0019 ± 0.0005	0.060 ± 0.007	< 0.01 ± 0.00
Field Blank	CapF (1/1)	12/17/96	0.03 ± 0.02	< 0.0019 ± 0.0006	0.04 ± 0.01	< 0.01 ± 0.00
Field Blank	UF2 (1/1)	12/17/96	< 0.03 ± 0.02	< 0.0019 ± 0.0010	< 0.012 ± 0.007	< 0.01 ± 0.00
Field Blank	THB (1/1)	12/17/96	< 0.03 ± 0.00	< 0.0019 ± 0.0002	0.069 ± 0.014	< 0.01 ± 0.00
Lab Blank	DIW (1/1)	01/06/97	< 0.04 ± 0.00	< 0.0013 ± 0.0002	< 0.04 ± 0.00	0.01 ± 0.02

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Molybdenum µg/L	Neodymium µg/L	Nickel µg/L	Potassium mg/L
Lab Blank	UF1 (1/1)	01/05/97	< 0.04 ± 0.00	< 0.0013 ± 0.0007	< 0.04 ± 0.00	< 0.01 ± 0.00
Lab Blank	MemF (1/1)	01/06/97	< 0.04 ± 0.01	< 0.0013 ± 0.0005	< 0.04 ± 0.01	< 0.01 ± 0.00
Lab Blank	CapF (1/1)	01/06/97	< 0.05 ± 0.01	< 0.002 ± 0.002	0.06 ± 0.01	±
Lab Blank	UF2 (1/2)	01/06/97	< 0.04 ± 0.01	< 0.0013 ± 0.0003	< 0.04 ± 0.00	< 0.01 ± 0.00
Lab Blank	UF2 (2/2)	01/06/97	< 0.04 ± 0.01	< 0.003 ± 0.001	< 0.09 ± 0.00	< 0.01 ± 0.00
Lab Blank	UF3 (1/1)	01/06/97	< 0.04 ± 0.01	0.0273 ± 0.0013	0.19 ± 0.01	0.01 ± 0.00
Lab Blank	THB (1/1)	01/06/97	< 0.04 ± 0.01	< 0.0013 ± 0.0004	< 0.04 ± 0.00	< 0.01 ± 0.00
Lab Blank	25LCb (1/1)	01/06/97	< 0.04 ± 0.01	< 0.0013 ± 0.0007	< 0.04 ± 0.00	< 0.01 ± 0.00
Lab Blank	DIW (1/1)	01/06/97	< 0.04 ± 0.01	< 0.0013 ± 0.0004	< 0.04 ± 0.01	< 0.01 ± 0.00
Lab Blank	HgP (1/1)	01/06/97	— ± —	— ± —	— ± —	— ± —
Field Blank	THB (1/1)	01/06/97	< 0.04 ± 0.01	< 0.0013 ± 0.0008	< 0.04 ± 0.00	< 0.01 ± 0.00
Lab Blank	UF2 (1/1)	05/28/97	< 0.05 ± 0.02	< 0.002 ± 0.001	< 0.007 ± 0.006	< 0.01 ± 0.00
Lab Blank	UF3 (1/1)	05/28/97	< 0.05 ± 0.02	0.002 ± 0.001	0.08 ± 0.03	0.05 ± 0.06
Lab Blank	THB (1/1)	05/28/97	< 0.05 ± 0.01	< 0.002 ± 0.001	0.06 ± 0.00	< 0.01 ± 0.00
Lab Blank	HgP (1/1)	05/28/97	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/2)	06/05/97	< 0.05 ± 0.02	< 0.002 ± 0.001	0.04 ± 0.00	0.01 ± 0.01
Field Blank	DIW (2/2)	06/05/97	< 0.05 ± 0.03	< 0.002 ± 0.001	0.03 ± 0.00	< 0.01 ± 0.00
Field Blank	CapF (1/3)	06/05/97	< 0.05 ± 0.03	< 0.002 ± 0.000	0.45 ± 0.01	< 0.01 ± 0.00
Field Blank	UFVP (1/1)	06/05/97	< 0.05 ± 0.00	< 0.002 ± 0.000	< 0.007 ± 0.008	< 0.01 ± 0.00
Field Blank	JyCn (1/1)	06/05/97	< 0.05 ± 0.00	< 0.002 ± 0.001	0.007 ± 0.005	0.01 ± 0.03
Field Blank	CapF (2/3)	06/05/97	< 0.05 ± 0.00	< 0.002 ± 0.001	0.28 ± 0.01	< 0.01 ± 0.00
Field Blank	CapF (3/3)	06/05/97	< 0.05 ± 0.00	< 0.002 ± 0.001	0.47 ± 0.00	< 0.01 ± 0.00
Field Blank	SCDI (1/1)	06/05/97	< 0.05 ± 0.03	0.002 ± 0.004	< 0.01 ± 0.01	0.01 ± 0.00
Field Blank	SCADI (1/1)	06/05/97	< 0.05 ± 0.02	< 0.002 ± 0.002	1.1 ± 0.1	0.01 ± 0.01
Field Blank	TfTb (1/1)	06/05/97	< 0.05 ± 0.02	< 0.002 ± 0.001	0.02 ± 0.02	< 0.01 ± 0.00
Lab Blank	DIW (1/1)	05/28/97	< 0.05 ± 0.01	< 0.002 ± 0.000	< 0.007 ± 0.012	< 0.01 ± 0.00
Lab Blank	MemF (1/1)	05/28/97	< 0.05 ± 0.01	< 0.002 ± 0.001	0.06 ± 0.00	< 0.01 ± 0.00
Lab Blank	CapF (1/1)	05/28/97	< 0.05 ± 0.01	< 0.002 ± 0.000	< 0.007 ± 0.007	< 0.01 ± 0.00

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Praseodymium µg/L	Rhenium µg/L	Rubidium µg/L	Samarium µg/L
Lab Blank	DIW (1/1)	07/10/96	< 0.0002 ± 0.0002	< 0.0003 ± 0.0000	< 0.002 ± 0.000	< 0.0017 ± 0.0006
Lab Blank	8LCh (1/1)	07/10/96	< 0.0002 ± 0.0002	< 0.0003 ± 0.0001	< 0.002 ± 0.002	< 0.0017 ± 0.0003
Lab Blank	MemF (1/1)	07/10/96	< 0.0002 ± 0.0001	< 0.0003 ± 0.0002	< 0.002 ± 0.002	< 0.0017 ± 0.0003
Lab Blank	CapF (1/1)	07/10/96	< 0.0002 ± 0.0000	< 0.0003 ± 0.0000	< 0.002 ± 0.001	< 0.0017 ± 0.0003
Lab Blank	UF1 (1/1)	07/10/96	< 0.0004 ± 0.0005	< 0.0013 ± 0.0004	0.0033 ± 0.0014	< 0.003 ± 0.002
Lab Blank	UF2 (1/1)	07/10/96	< 0.0002 ± 0.0000	< 0.0003 ± 0.0000	< 0.002 ± 0.000	< 0.0017 ± 0.0003
Lab Blank	UF3 (1/1)	07/12/96	< 0.0004 ± 0.0001	< 0.0013 ± 0.0006	0.0029 ± 0.0003	< 0.003 ± 0.002
Lab Blank	HgP (1/1)	07/12/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	07/17/96	< 0.0002 ± 0.0000	< 0.0003 ± 0.0001	< 0.002 ± 0.000	< 0.0017 ± 0.0007
Field Blank	8LCh (1/1)	07/17/96	0.0005 ± 0.0002	< 0.0013 ± 0.0003	0.0028 ± 0.0608	< 0.003 ± 0.001
Field Blank	MemF (1/1)	07/17/96	< 0.0004 ± 0.0004	< 0.0013 ± 0.0007	< 0.0015 ± 0.0051	< 0.003 ± 0.001
Field Blank	CapF (1/1)	07/17/96	< 0.0002 ± 0.0001	< 0.0003 ± 0.0001	< 0.002 ± 0.000	< 0.0017 ± 0.0008
Field Blank	UF2 (1/1)	07/17/96	< 0.0002 ± 0.0002	< 0.0003 ± 0.0001	< 0.002 ± 0.001	< 0.0017 ± 0.0005
Field Blank	UF3 (1/1)	07/17/96	< 0.0002 ± 0.0001	< 0.0003 ± 0.0001	< 0.002 ± 0.001	< 0.0017 ± 0.0009
Field Blank	HgP (1/1)	07/17/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	09/18/96	0.0004 ± 0.0004	< 0.0010 ± 0.0002	0.0020 ± 0.0016	< 0.006 ± 0.002
Lab Blank	20LCh (1/1)	09/18/96	< 0.0004 ± 0.0001	< 0.0008 ± 0.0004	< 0.004 ± 0.002	< 0.003 ± 0.000
Lab Blank	MemF (1/1)	09/18/96	< 0.0005 ± 0.0001	< 0.0006 ± 0.0003	< 0.003 ± 0.001	< 0.003 ± 0.002
Lab Blank	CapF (1/1)	09/18/96	< 0.0005 ± 0.0001	< 0.0006 ± 0.0008	< 0.003 ± 0.002	< 0.003 ± 0.001
Lab Blank	UF2 (1/1)	09/18/96	< 0.0004 ± 0.0003	< 0.0008 ± 0.0002	< 0.004 ± 0.001	< 0.003 ± 0.002
Lab Blank	UF3 (1/1)	09/18/96	0.0003 ± 0.0004	< 0.0010 ± 0.0000	< 0.0013 ± 0.0012	< 0.006 ± 0.003
Lab Blank	THB (1/1)	09/18/96	< 0.0005 ± 0.0002	< 0.0006 ± 0.0002	< 0.003 ± 0.002	< 0.003 ± 0.002
Lab Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	09/18/96	< 0.0003 ± 0.0002	< 0.0010 ± 0.0004	0.0018 ± 0.0023	< 0.006 ± 0.001
Field Blank	20LCh (1/1)	09/18/96	< 0.0005 ± 0.0001	< 0.0006 ± 0.0004	< 0.003 ± 0.003	< 0.003 ± 0.001
Field Blank	MemF (1/1)	09/18/96	< 0.0003 ± 0.0005	< 0.0010 ± 0.0011	< 0.0013 ± 0.0001	< 0.006 ± 0.002
Field Blank	CapF (1/1)	09/18/96	< 0.0005 ± 0.0001	< 0.0006 ± 0.0003	< 0.003 ± 0.002	< 0.003 ± 0.002
Field Blank	UF2 (1/1)	09/18/96	< 0.0003 ± 0.0002	< 0.0010 ± 0.0005	< 0.0013 ± 0.0012	< 0.006 ± 0.002
Field Blank	UF3 (1/1)	09/18/96	< 0.0005 ± 0.0001	< 0.0006 ± 0.0000	< 0.003 ± 0.002	< 0.003 ± 0.002
Field Blank	THB (1/1)	09/18/96	< 0.0005 ± 0.0003	< 0.0006 ± 0.0007	< 0.003 ± 0.000	0.003 ± 0.001
Field Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	11/13/96	< 0.0007 ± 0.0003	< 0.0013 ± 0.0005	< 0.02 ± 0.00	< 0.004 ± 0.002
Lab Blank	8LCh (1/1)	11/13/96	< 0.0007 ± 0.0003	< 0.0013 ± 0.0001	< 0.02 ± 0.00	< 0.004 ± 0.001
Lab Blank	MemF (1/1)	11/13/96	< 0.0007 ± 0.0004	< 0.0013 ± 0.0004	< 0.02 ± 0.00	< 0.004 ± 0.000

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Praseodymium µg/L	Rhenium µg/L	Rubidium µg/L	Samarium µg/L
Lab Blank	CapF (1/1)	11/14/96	< 0.0007 ± 0.0002	< 0.0013 ± 0.0001	< 0.02 ± 0.00	< 0.004 ± 0.000
Lab Blank	UF2 (1/1)	11/13/96	< 0.0007 ± 0.0003	< 0.0013 ± 0.0005	< 0.02 ± 0.00	< 0.004 ± 0.002
Lab Blank	UF3 (1/1)	11/13/96	< 0.0007 ± 0.0002	< 0.0013 ± 0.0006	< 0.02 ± 0.00	< 0.004 ± 0.002
Lab Blank	THB (1/1)	11/13/96	< 0.0007 ± 0.0003	< 0.0013 ± 0.0008	< 0.02 ± 0.00	< 0.004 ± 0.001
Lab Blank	HgP (1/1)	11/13/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	11/20/96	< 0.0007 ± 0.0002	< 0.0013 ± 0.0005	< 0.02 ± 0.00	< 0.004 ± 0.001
Field Blank	8LCh (1/1)	11/20/96	< 0.0007 ± 0.0003	< 0.0013 ± 0.0004	< 0.02 ± 0.00	< 0.004 ± 0.002
Field Blank	MemF (1/1)	11/20/96	< 0.0007 ± 0.0002	< 0.0013 ± 0.0008	< 0.02 ± 0.00	< 0.004 ± 0.003
Field Blank	CapF (1/1)	11/20/96	< 0.0007 ± 0.0001	< 0.0013 ± 0.0004	< 0.02 ± 0.00	< 0.004 ± 0.000
Field Blank	UF1 (1/1)	11/20/96	< 0.0007 ± 0.0004	< 0.0013 ± 0.0005	< 0.02 ± 0.00	< 0.004 ± 0.003
Field Blank	UF3 (1/1)	11/20/96	< 0.0007 ± 0.0002	< 0.0013 ± 0.0006	< 0.02 ± 0.00	< 0.004 ± 0.002
Field Blank	THB (1/1)	11/20/96	< 0.0007 ± 0.0003	< 0.0013 ± 0.0005	< 0.02 ± 0.00	< 0.004 ± 0.001
Field Blank	CapF (1/1)	11/20/96	< 0.0007 ± 0.0000	< 0.0013 ± 0.0004	< 0.02 ± 0.00	< 0.004 ± 0.002
Field Blank	HgP (1/1)	11/20/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	12/16/96	< 0.0002 ± 0.0000	< 0.0006 ± 0.0003	< 0.0015 ± 0.0003	< 0.0016 ± 0.0009
Lab Blank	MemF (1/1)	12/16/96	< 0.0002 ± 0.0001	< 0.0006 ± 0.0001	0.0018 ± 0.0019	< 0.0016 ± 0.0010
Lab Blank	CapF (1/1)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	HgP (1/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	UF1 (1/1)	12/16/96	< 0.0002 ± 0.0002	< 0.0006 ± 0.0002	< 0.0015 ± 0.0005	< 0.0016 ± 0.0017
Lab Blank	UF3 (1/1)	12/16/96	< 0.0002 ± 0.0003	< 0.0006 ± 0.0002	0.0023 ± 0.0021	< 0.0016 ± 0.0002
Lab Blank	THB (1/1)	12/16/96	0.0002 ± 0.0002	< 0.0006 ± 0.0002	0.0018 ± 0.0031	< 0.0016 ± 0.0009
Lab Blank	20LCh-1 (1/1)	12/16/96	< 0.0002 ± 0.0001	< 0.0006 ± 0.0002	< 0.0015 ± 0.0006	< 0.0016 ± 0.0003
Lab Blank	20LCh-2 (1/1)	12/16/96	< 0.0002 ± 0.0001	< 0.0006 ± 0.0001	< 0.0015 ± 0.0015	< 0.0016 ± 0.0006
Lab Blank	20LCh-3 (1/1)	12/16/96	< 0.0002 ± 0.0001	< 0.0006 ± 0.0000	0.0038 ± 0.0018	0.0017 ± 0.0018
Lab Blank	20LCh-4 (1/1)	12/16/96	< 0.0002 ± 0.0003	< 0.0006 ± 0.0001	< 0.0015 ± 0.0005	< 0.0016 ± 0.0016
Lab Blank	20LCh-5 (1/1)	12/16/96	< 0.0002 ± 0.0001	< 0.0006 ± 0.0003	0.0022 ± 0.0005	< 0.0016 ± 0.0012
Lab Blank	20LCh-6 (1/1)	12/16/96	< 0.0002 ± 0.0001	< 0.0006 ± 0.0002	0.0017 ± 0.0002	< 0.0016 ± 0.0004
Lab Blank	UF1 (1/1)	12/16/96	< 0.0002 ± 0.0001	< 0.0006 ± 0.0003	< 0.0015 ± 0.0005	< 0.0016 ± 0.0006
Lab Blank	HgP (2/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	12/17/96	< 0.0002 ± 0.0002	< 0.0006 ± 0.0001	0.0024 ± 0.0024	0.0016 ± 0.0007
Field Blank	8LCh (1/1)	12/17/96	< 0.0002 ± 0.0000	< 0.0006 ± 0.0001	0.0020 ± 0.0009	< 0.0016 ± 0.0010
Field Blank	MemF (1/1)	12/17/96	< 0.0002 ± 0.0000	< 0.0006 ± 0.0002	0.0047 ± 0.0005	< 0.0016 ± 0.0011
Field Blank	CapF (1/1)	12/17/96	< 0.0002 ± 0.0002	< 0.0006 ± 0.0001	0.0043 ± 0.0029	< 0.0016 ± 0.0009
Field Blank	UF2 (1/1)	12/17/96	< 0.0002 ± 0.0001	< 0.0006 ± 0.0001	0.0055 ± 0.0006	< 0.0016 ± 0.0013
Field Blank	THB (1/1)	12/17/96	0.0003 ± 0.0000	< 0.0006 ± 0.0003	0.0054 ± 0.0012	< 0.0016 ± 0.0003
Lab Blank	DIW (1/1)	01/06/97	< 0.0005 ± 0.0001	< 0.0006 ± 0.0003	< 0.003 ± 0.001	< 0.003 ± 0.001

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Praseodymium µg/L	Rhenium µg/L	Rubidium µg/L	Samarium µg/L
Lab Blank	UF1 (1/1)	01/05/97	< 0.0005 ± 0.0001	< 0.0006 ± 0.0002	< 0.003 ± 0.002	< 0.003 ± 0.001
Lab Blank	MemF (1/1)	01/06/97	< 0.0005 ± 0.0002	< 0.0006 ± 0.0002	< 0.003 ± 0.001	< 0.003 ± 0.001
Lab Blank	CapF (1/1)	01/06/97	< 0.0003 ± 0.0005	< 0.0007 ± 0.0003	< 0.002 ± 0.001	< 0.003 ± 0.002
Lab Blank	UF2 (1/2)	01/06/97	< 0.0005 ± 0.0001	< 0.0006 ± 0.0001	< 0.003 ± 0.001	< 0.003 ± 0.002
Lab Blank	UF2 (2/2)	01/06/97	< 0.0006 ± 0.0003	< 0.0005 ± 0.0005	< 0.0018 ± 0.0019	< 0.003 ± 0.002
Lab Blank	UF3 (1/1)	01/06/97	0.0058 ± 0.0003	< 0.0006 ± 0.0001	0.093 ± 0.002	0.007 ± 0.004
Lab Blank	THB (1/1)	01/06/97	< 0.0005 ± 0.0001	< 0.0006 ± 0.0002	< 0.003 ± 0.000	< 0.003 ± 0.002
Lab Blank	25LCb (1/1)	01/06/97	< 0.0005 ± 0.0001	< 0.0006 ± 0.0001	< 0.003 ± 0.001	< 0.003 ± 0.001
Lab Blank	DIW (1/1)	01/06/97	< 0.0005 ± 0.0001	< 0.0006 ± 0.0003	0.032 ± 0.002	< 0.003 ± 0.001
Lab Blank	HgP (1/1)	01/06/97	— ± —	— ± —	— ± —	— ± —
Field Blank	THB (1/1)	01/06/97	< 0.0005 ± 0.0001	< 0.0006 ± 0.0002	< 0.003 ± 0.001	< 0.003 ± 0.001
Lab Blank	UF2 (1/1)	05/28/97	< 0.0003 ± 0.0003	< 0.0007 ± 0.0002	0.003 ± 0.001	< 0.003 ± 0.001
Lab Blank	UF3 (1/1)	05/28/97	< 0.0003 ± 0.0002	< 0.0007 ± 0.0005	0.017 ± 0.005	< 0.003 ± 0.002
Lab Blank	THB (1/1)	05/28/97	< 0.0003 ± 0.0001	< 0.0007 ± 0.0003	0.003 ± 0.001	< 0.003 ± 0.001
Lab Blank	HgP (1/1)	05/28/97	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/2)	06/05/97	< 0.0003 ± 0.0001	< 0.0007 ± 0.0002	0.002 ± 0.001	< 0.003 ± 0.001
Field Blank	DIW (2/2)	06/05/97	< 0.0003 ± 0.0001	< 0.0007 ± 0.0001	0.003 ± 0.001	< 0.003 ± 0.001
Field Blank	CapF (1/3)	06/05/97	< 0.0003 ± 0.0000	< 0.0007 ± 0.0003	0.053 ± 0.002	< 0.003 ± 0.000
Field Blank	UFVP (1/1)	06/05/97	< 0.0003 ± 0.0001	< 0.0007 ± 0.0001	< 0.002 ± 0.001	< 0.003 ± 0.001
Field Blank	JyCn (1/1)	06/05/97	< 0.0003 ± 0.0001	< 0.0007 ± 0.0001	0.14 ± 0.00	< 0.003 ± 0.001
Field Blank	CapF (2/3)	06/05/97	< 0.0003 ± 0.0003	< 0.0008 ± 0.0003	0.002 ± 0.001	< 0.003 ± 0.001
Field Blank	CapF (3/3)	06/05/97	< 0.0003 ± 0.0002	< 0.0008 ± 0.0003	0.003 ± 0.000	< 0.003 ± 0.000
Field Blank	SCDI (1/1)	06/05/97	< 0.0003 ± 0.0001	< 0.0008 ± 0.0005	0.048 ± 0.007	< 0.003 ± 0.001
Field Blank	SCADI (1/1)	06/05/97	< 0.0003 ± 0.0000	< 0.0008 ± 0.0002	0.053 ± 0.005	< 0.003 ± 0.004
Field Blank	TfTb (1/1)	06/05/97	< 0.0003 ± 0.0002	< 0.0008 ± 0.0007	< 0.001 ± 0.001	< 0.003 ± 0.001
Lab Blank	DIW (1/1)	05/28/97	< 0.0003 ± 0.0002	< 0.0007 ± 0.0001	< 0.002 ± 0.001	< 0.003 ± 0.000
Lab Blank	MemF (1/1)	05/28/97	< 0.0003 ± 0.0002	< 0.0007 ± 0.0003	< 0.002 ± 0.001	< 0.003 ± 0.001
Lab Blank	CapF (1/1)	05/28/97	< 0.0003 ± 0.0002	< 0.0007 ± 0.0002	< 0.002 ± 0.000	< 0.003 ± 0.001

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Selenium µg/L	Silica mg/L	Silver µg/L	Sodium mg/L
Lab Blank	DIW (1/1)	07/10/96	< 0.06 ± 0.04	0.04 ± 0.01	< 0.04 ± 0.01	< 0.01 ± 0.01
Lab Blank	8LCh (1/1)	07/10/96	< 0.06 ± 0.05	0.04 ± 0.01	< 0.04 ± 0.01	< 0.01 ± 0.00
Lab Blank	MemF (1/1)	07/10/96	< 0.06 ± 0.03	0.04 ± 0.01	< 0.04 ± 0.00	< 0.01 ± 0.00
Lab Blank	CapF (1/1)	07/10/96	< 0.06 ± 0.05	0.05 ± 0.01	< 0.04 ± 0.01	< 0.01 ± 0.00
Lab Blank	UF1 (1/1)	07/10/96	< 0.07 ± 0.00	0.08 ± 0.02	< 0.02 ± 0.01	< 0.01 ± 0.00
Lab Blank	UF2 (1/1)	07/10/96	< 0.06 ± 0.03	0.07 ± 0.01	< 0.04 ± 0.02	< 0.01 ± 0.01
Lab Blank	UF3 (1/1)	07/12/96	< 0.07 ± 0.02	0.04 ± 0.02	< 0.02 ± 0.01	< 0.01 ± 0.01
Lab Blank	HgP (1/1)	07/12/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	07/17/96	0.06 ± 0.03	< 0.18 ± 0.15	< 0.04 ± 0.02	< 0.01 ± 0.00
Field Blank	8LCh (1/1)	07/17/96	< 0.07 ± 0.07	< 0.18 ± 0.03	< 0.02 ± 0.01	0.01 ± 0.01
Field Blank	MemF (1/1)	07/17/96	< 0.07 ± 0.04	< 0.08 ± 0.09	< 0.02 ± 0.01	< 0.03 ± 0.03
Field Blank	CapF (1/1)	07/17/96	< 0.06 ± 0.02	< 0.18 ± 0.02	< 0.04 ± 0.01	< 0.01 ± 0.00
Field Blank	UF2 (1/1)	07/17/96	< 0.06 ± 0.05	< 0.08 ± 0.03	< 0.04 ± 0.00	< 0.03 ± 0.00
Field Blank	UF3 (1/1)	07/17/96	< 0.06 ± 0.03	< 0.18 ± 0.20	< 0.04 ± 0.01	< 0.01 ± 0.00
Field Blank	HgP (1/1)	07/17/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	09/18/96	< 0.13 ± 0.04	0.04 ± 0.02	< 0.03 ± 0.03	< 0.05 ± 0.01
Lab Blank	20LCh (1/1)	09/18/96	< 0.3 ± 0.1	0.05 ± 0.03	< 0.02 ± 0.03	< 0.04 ± 0.02
Lab Blank	MemF (1/1)	09/18/96	< 0.2 ± 0.3	0.067 ± 0.011	< 0.02 ± 0.00	< 0.04 ± 0.02
Lab Blank	CapF (1/1)	09/18/96	< 0.2 ± 0.1	0.05 ± 0.01	< 0.02 ± 0.00	< 0.04 ± 0.01
Lab Blank	UF2 (1/1)	09/18/96	< 0.3 ± 0.0	0.10 ± 0.02	< 0.02 ± 0.01	< 0.05 ± 0.01
Lab Blank	UF3 (1/1)	09/18/96	< 0.13 ± 0.02	0.08 ± 0.01	< 0.03 ± 0.01	< 0.05 ± 0.01
Lab Blank	THB (1/1)	09/18/96	< 0.2 ± 0.2	0.17 ± 0.02	< 0.02 ± 0.01	< 0.04 ± 0.02
Lab Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	09/18/96	< 0.13 ± 0.04	0.052 ± 0.016	< 0.03 ± 0.03	< 0.04 ± 0.03
Field Blank	20LCh (1/1)	09/18/96	< 0.2 ± 0.1	0.063 ± 0.013	< 0.02 ± 0.00	< 0.04 ± 0.00
Field Blank	MemF (1/1)	09/18/96	< 0.13 ± 0.14	0.077 ± 0.014	< 0.03 ± 0.02	< 0.04 ± 0.02
Field Blank	CapF (1/1)	09/18/96	< 0.2 ± 0.1	0.081 ± 0.008	< 0.02 ± 0.01	< 0.04 ± 0.01
Field Blank	UF2 (1/1)	09/18/96	< 0.13 ± 0.05	0.080 ± 0.006	0.07 ± 0.01	< 0.04 ± 0.01
Field Blank	UF3 (1/1)	09/18/96	< 0.2 ± 0.1	0.086 ± 0.009	< 0.02 ± 0.00	< 0.04 ± 0.02
Field Blank	THB (1/1)	09/18/96	< 0.2 ± 0.1	0.063 ± 0.002	< 0.02 ± 0.01	< 0.04 ± 0.02
Field Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	11/13/96	< 0.12 ± 0.07	0.06 ± 0.01	< 0.1 ± 0.04	< 0.03 ± 0.01
Lab Blank	8LCh (1/1)	11/13/96	0.16 ± 0.30	0.06 ± 0.01	< 0.1 ± 0.02	< 0.03 ± 0.02
Lab Blank	MemF (1/1)	11/13/96	0.13 ± 0.17	0.06 ± 0.02	< 0.1 ± 0.01	< 0.03 ± 0.01

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Selenium µg/L	Silica mg/L	Silver µg/L	Sodium mg/L
Lab Blank	CapF (1/1)	11/14/96	0.14 ± 0.20	< 0.06 ± 0.00	< 0.1 ± 0.03	< 0.03 ± 0.01
Lab Blank	UF2 (1/1)	11/13/96	< 0.12 ± 0.06	0.11 ± 0.01	< 0.15 ± 0.02	< 0.03 ± 0.01
Lab Blank	UF3 (1/1)	11/13/96	< 0.12 ± 0.08	0.07 ± 0.00	< 0.1 ± 0.05	< 0.03 ± 0.01
Lab Blank	THB (1/1)	11/13/96	< 0.12 ± 0.15	0.08 ± 0.00	< 0.1 ± 0.03	< 0.03 ± 0.01
Lab Blank	HgP (1/1)	11/13/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	11/20/96	< 0.12 ± 0.13	< 0.06 ± 0.01	< 0.1 ± 0.07	< 0.03 ± 0.01
Field Blank	8LCh (1/1)	11/20/96	< 0.12 ± 0.02	< 0.06 ± 0.01	< 0.1 ± 0.04	< 0.03 ± 0.01
Field Blank	MemF (1/1)	11/20/96	0.20 ± 0.03	< 0.06 ± 0.01	< 0.1 ± 0.03	< 0.03 ± 0.01
Field Blank	CapF (1/1)	11/20/96	0.17 ± 0.16	< 0.06 ± 0.01	< 0.1 ± 0.02	< 0.03 ± 0.01
Field Blank	UF1 (1/1)	11/20/96	< 0.12 ± 0.06	0.10 ± 0.06	< 0.1 ± 0.02	< 0.005 ± 0.003
Field Blank	UF3 (1/1)	11/20/96	< 0.12 ± 0.21	< 0.09 ± 0.05	< 0.1 ± 0.01	< 0.005 ± 0.010
Field Blank	THB (1/1)	11/20/96	< 0.12 ± 0.16	< 0.09 ± 0.04	< 0.1 ± 0.03	< 0.004 ± 0.014
Field Blank	CapF (1/1)	11/20/96	< 0.12 ± 0.10	< 0.09 ± 0.04	< 0.1 ± 0.03	< 0.004 ± 0.006
Field Blank	HgP (1/1)	11/20/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	12/16/96	< 0.11 ± 0.08	0.12 ± 0.01	< 0.03 ± 0.02	< 0.06 ± 0.02
Lab Blank	MemF (1/1)	12/16/96	< 0.11 ± 0.04	0.08 ± 0.03	< 0.03 ± 0.00	< 0.08 ± 0.09
Lab Blank	CapF (1/1)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	HgP (1/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	UF1 (1/1)	12/16/96	< 0.11 ± 0.08	0.10 ± 0.01	0.05 ± 0.01	< 0.06 ± 0.03
Lab Blank	UF3 (1/1)	12/16/96	< 0.11 ± 0.03	0.09 ± 0.04	0.03 ± 0.03	< 0.06 ± 0.03
Lab Blank	THB (1/1)	12/16/96	< 0.11 ± 0.04	0.08 ± 0.07	< 0.03 ± 0.01	< 0.08 ± 0.16
Lab Blank	20LCh-1 (1/1)	12/16/96	< 0.11 ± 0.03	0.06 ± 0.02	< 0.03 ± 0.00	< 0.08 ± 0.08
Lab Blank	20LCh-2 (1/1)	12/16/96	< 0.11 ± 0.07	0.03 ± 0.02	0.08 ± 0.04	< 0.08 ± 0.03
Lab Blank	20LCh-3 (1/1)	12/16/96	< 0.11 ± 0.06	0.09 ± 0.02	< 0.03 ± 0.01	< 0.06 ± 0.04
Lab Blank	20LCh-4 (1/1)	12/16/96	< 0.11 ± 0.02	0.07 ± 0.01	0.05 ± 0.04	< 0.08 ± 0.04
Lab Blank	20LCh-5 (1/1)	12/16/96	< 0.11 ± 0.06	0.06 ± 0.02	0.04 ± 0.04	< 0.08 ± 0.02
Lab Blank	20LCh-6 (1/1)	12/16/96	< 0.11 ± 0.06	0.06 ± 0.00	< 0.03 ± 0.00	< 0.06 ± 0.04
Lab Blank	UF1 (1/1)	12/16/96	< 0.11 ± 0.07	0.07 ± 0.00	< 0.03 ± 0.01	< 0.018 ± 0.016
Lab Blank	HgP (2/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	12/17/96	< 0.11 ± 0.04	0.06 ± 0.01	< 0.03 ± 0.02	< 0.018 ± 0.004
Field Blank	8LCh (1/1)	12/17/96	< 0.11 ± 0.00	0.08 ± 0.01	< 0.03 ± 0.01	< 0.018 ± 0.016
Field Blank	MemF (1/1)	12/17/96	< 0.11 ± 0.05	0.06 ± 0.01	< 0.03 ± 0.00	< 0.06 ± 0.03
Field Blank	CapF (1/1)	12/17/96	< 0.11 ± 0.02	0.07 ± 0.01	0.07 ± 0.02	< 0.018 ± 0.009
Field Blank	UF2 (1/1)	12/17/96	< 0.11 ± 0.03	0.08 ± 0.01	< 0.03 ± 0.02	< 0.06 ± 0.04
Field Blank	THB (1/1)	12/17/96	< 0.11 ± 0.03	0.07 ± 0.02	< 0.03 ± 0.00	< 0.06 ± 0.03
Lab Blank	DIW (1/1)	01/06/97	< 0.2 ± 0.1	< 0.04 ± 0.00	0.07 ± 0.02	< 0.018 ± 0.005

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Selenium µg/L	Silica mg/L	Silver µg/L	Sodium mg/L
Lab Blank	UF1 (1/1)	01/05/97	< 0.2 ± 0.0	< 0.04 ± 0.01	< 0.02 ± 0.01	< 0.018 ± 0.014
Lab Blank	MemF (1/1)	01/06/97	< 0.2 ± 0.0	< 0.04 ± 0.01	< 0.02 ± 0.02	< 0.018 ± 0.004
Lab Blank	CapF (1/1)	01/06/97	< 0.3 ± 0.3	< 0.05 ± 0.01	< 0.2 ± 0.1	na ± na
Lab Blank	UF2 (1/2)	01/06/97	< 0.2 ± 0.1	0.05 ± 0.01	< 0.02 ± 0.02	< 0.018 ± 0.000
Lab Blank	UF2 (2/2)	01/06/97	< 0.09 ± 0.04	0.06 ± 0.02	< 0.04 ± 0.01	< 0.03 ± 0.01
Lab Blank	UF3 (1/1)	01/06/97	< 0.2 ± 0.1	0.31 ± 0.00	< 0.02 ± 0.00	< 0.018 ± 0.005
Lab Blank	THB (1/1)	01/06/97	< 0.2 ± 0.1	< 0.04 ± 0.01	< 0.02 ± 0.00	< 0.018 ± 0.003
Lab Blank	25LCb (1/1)	01/06/97	< 0.2 ± 0.0	< 0.04 ± 0.01	< 0.02 ± 0.00	< 0.018 ± 0.004
Lab Blank	DIW (1/1)	01/06/97	< 0.2 ± 0.1	< 0.04 ± 0.02	< 0.02 ± 0.00	< 0.018 ± 0.004
Lab Blank	HgP (1/1)	01/06/97	— ± —	— ± —	— ± —	— ± —
Field Blank	THB (1/1)	01/06/97	< 0.2 ± 0.1	< 0.04 ± 0.01	< 0.02 ± 0.00	< 0.018 ± 0.002
Lab Blank	UF2 (1/1)	05/28/97	< 0.3 ± 0.1	0.16 ± 0.03	< 0.2 ± 0.1	< 0.06 ± 0.02
Lab Blank	UF3 (1/1)	05/28/97	< 0.3 ± 0.1	< 0.05 ± 0.03	< 0.2 ± 0.1	< 0.06 ± 0.02
Lab Blank	THB (1/1)	05/28/97	< 0.3 ± 0.1	< 0.05 ± 0.02	< 0.2 ± 0.0	< 0.06 ± 0.00
Lab Blank	HgP (1/1)	05/28/97	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/2)	06/05/97	< 0.3 ± 0.1	< 0.05 ± 0.02	< 0.2 ± 0.1	< 0.06 ± 0.01
Field Blank	DIW (2/2)	06/05/97	< 0.1 ± 0.1	< 0.05 ± 0.02	< 0.2 ± 0.2	< 0.06 ± 0.01
Field Blank	CapF (1/3)	06/05/97	< 0.3 ± 0.1	< 0.05 ± 0.03	< 0.2 ± 0.1	< 0.06 ± 0.03
Field Blank	UFVP (1/1)	06/05/97	< 0.1 ± 0.1	< 0.05 ± 0.02	< 0.2 ± 0.1	< 0.06 ± 0.01
Field Blank	JyCn (1/1)	06/05/97	< 0.3 ± 0.1	< 0.05 ± 0.03	< 0.2 ± 0.0	< 0.06 ± 0.01
Field Blank	CapF (2/3)	06/05/97	< 0.1 ± 0.0	< 0.07 ± 0.03	< 0.2 ± 0.1	< 0.05 ± 0.03
Field Blank	CapF (3/3)	06/05/97	< 0.1 ± 0.0	< 0.07 ± 0.04	< 0.2 ± 0.0	< 0.1 ± 0.1
Field Blank	SCDI (1/1)	06/05/97	< 0.2 ± 0.0	< 0.07 ± 0.03	< 0.2 ± 0.1	< 0.1 ± 0.1
Field Blank	SCADI (1/1)	06/05/97	< 0.2 ± 0.5	< 0.07 ± 0.02	< 0.2 ± 0.1	< 0.1 ± 0.1
Field Blank	TfTb (1/1)	06/05/97	< 0.2 ± 0.2	< 0.07 ± 0.04	< 0.2 ± 0.1	< 0.07 ± 0.01
Lab Blank	DIW (1/1)	05/28/97	< 0.3 ± 0.1	< 0.05 ± 0.03	< 0.2 ± 0.1	< 0.06 ± 0.02
Lab Blank	MemF (1/1)	05/28/97	< 0.1 ± 0.0	< 0.05 ± 0.03	< 0.2 ± 0.1	< 0.06 ± 0.02
Lab Blank	CapF (1/1)	05/28/97	< 0.1 ± 0.1	< 0.05 ± 0.01	< 0.2 ± 0.1	< 0.06 ± 0.02

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Strontium µg/L	Terbium µg/L	Thallium µg/L	Thulium µg/L
Lab Blank	DIW (1/1)	07/10/96	< 0.04 ± 0.01	< 0.0002 ± 0.0000	< 0.0009 ± 0.0004	< 0.0003 ± 0.0000
Lab Blank	8LCh (1/1)	07/10/96	0.07 ± 0.06	< 0.0002 ± 0.0001	< 0.0009 ± 0.0003	< 0.0003 ± 0.0000
Lab Blank	MemF (1/1)	07/10/96	< 0.04 ± 0.01	< 0.0002 ± 0.0000	< 0.0009 ± 0.0001	< 0.0003 ± 0.0000
Lab Blank	CapF (1/1)	07/10/96	< 0.04 ± 0.00	< 0.0002 ± 0.0001	< 0.0009 ± 0.0004	< 0.0003 ± 0.0001
Lab Blank	UF1 (1/1)	07/10/96	< 0.08 ± 0.03	< 0.0003 ± 0.0001	< 0.0014 ± 0.0011	0.0005 ± 0.0001
Lab Blank	UF2 (1/1)	07/10/96	< 0.04 ± 0.01	< 0.0002 ± 0.0001	< 0.0009 ± 0.0002	< 0.0003 ± 0.0001
Lab Blank	UF3 (1/1)	07/12/96	< 0.08 ± 0.00	0.0006 ± 0.0001	< 0.0014 ± 0.0004	< 0.0003 ± 0.0002
Lab Blank	HgP (1/1)	07/12/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	07/17/96	< 0.04 ± 0.01	< 0.0002 ± 0.0001	< 0.0009 ± 0.0005	< 0.0003 ± 0.0000
Field Blank	8LCh (1/1)	07/17/96	< 0.08 ± 0.47	< 0.0003 ± 0.0005	< 0.0014 ± 0.0007	< 0.0003 ± 0.0002
Field Blank	MemF (1/1)	07/17/96	< 0.08 ± 0.25	< 0.0003 ± 0.0003	< 0.0014 ± 0.0018	< 0.0003 ± 0.0002
Field Blank	CapF (1/1)	07/17/96	< 0.04 ± 0.02	< 0.0002 ± 0.0001	< 0.0009 ± 0.0004	< 0.0003 ± 0.0000
Field Blank	UF2 (1/1)	07/17/96	< 0.04 ± 0.01	< 0.0002 ± 0.0000	< 0.0009 ± 0.0004	< 0.0003 ± 0.0001
Field Blank	UF3 (1/1)	07/17/96	< 0.04 ± 0.01	< 0.0002 ± 0.0000	< 0.0009 ± 0.0005	< 0.0003 ± 0.0001
Field Blank	HgP (1/1)	07/17/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	09/18/96	< 0.007 ± 0.001	< 0.0005 ± 0.0003	< 0.002 ± 0.000	< 0.0005 ± 0.0001
Lab Blank	20LCh (1/1)	09/18/96	< 0.007 ± 0.003	< 0.0008 ± 0.0002	< 0.005 ± 0.001	< 0.0005 ± 0.0002
Lab Blank	MemF (1/1)	09/18/96	< 0.007 ± 0.002	< 0.0004 ± 0.0003	< 0.0013 ± 0.0005	< 0.0006 ± 0.0000
Lab Blank	CapF (1/1)	09/18/96	< 0.007 ± 0.002	< 0.0004 ± 0.0004	< 0.0013 ± 0.0004	< 0.0006 ± 0.0003
Lab Blank	UF2 (1/1)	09/18/96	< 0.007 ± 0.003	< 0.0008 ± 0.0002	< 0.005 ± 0.002	< 0.0005 ± 0.0001
Lab Blank	UF3 (1/1)	09/18/96	< 0.007 ± 0.002	< 0.0005 ± 0.0001	< 0.002 ± 0.001	< 0.0005 ± 0.0002
Lab Blank	THB (1/1)	09/18/96	< 0.007 ± 0.001	< 0.0004 ± 0.0004	< 0.0013 ± 0.0011	< 0.0006 ± 0.0003
Lab Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	09/18/96	< 0.007 ± 0.002	< 0.0005 ± 0.0006	< 0.002 ± 0.000	< 0.0005 ± 0.0001
Field Blank	20LCh (1/1)	09/18/96	< 0.007 ± 0.002	< 0.0004 ± 0.0002	< 0.0013 ± 0.0009	< 0.0006 ± 0.0001
Field Blank	MemF (1/1)	09/18/96	< 0.007 ± 0.003	< 0.0005 ± 0.0004	< 0.002 ± 0.001	< 0.0005 ± 0.0007
Field Blank	CapF (1/1)	09/18/96	< 0.007 ± 0.001	< 0.0004 ± 0.0001	< 0.0013 ± 0.0003	< 0.0006 ± 0.0003
Field Blank	UF2 (1/1)	09/18/96	< 0.007 ± 0.002	< 0.0005 ± 0.0004	< 0.002 ± 0.001	< 0.0005 ± 0.0003
Field Blank	UF3 (1/1)	09/18/96	< 0.007 ± 0.001	< 0.0004 ± 0.0000	< 0.0013 ± 0.0010	< 0.0006 ± 0.0003
Field Blank	THB (1/1)	09/18/96	< 0.007 ± 0.002	< 0.0004 ± 0.0004	< 0.0013 ± 0.0017	< 0.0006 ± 0.0002
Field Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	11/13/96	< 0.4 ± 0.1	< 0.0008 ± 0.0003	< 0.007 ± 0.002	< 0.0006 ± 0.0001
Lab Blank	8LCh (1/1)	11/13/96	< 0.4 ± 0.0	< 0.0008 ± 0.0002	< 0.007 ± 0.002	< 0.0006 ± 0.0001
Lab Blank	MemF (1/1)	11/13/96	< 0.4 ± 0.0	< 0.0008 ± 0.0002	< 0.007 ± 0.001	< 0.0006 ± 0.0001

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Strontium µg/L	Terbium µg/L	Thallium µg/L	Thulium µg/L
Lab Blank	CapF (1/1)	11/14/96	< 0.4 ± 0.1	< 0.0008 ± 0.0004	< 0.007 ± 0.001	< 0.0006 ± 0.0001
Lab Blank	UF2 (1/1)	11/13/96	< 0.4 ± 0.1	< 0.0008 ± 0.0002	< 0.007 ± 0.001	< 0.0006 ± 0.0002
Lab Blank	UF3 (1/1)	11/13/96	< 0.4 ± 0.0	< 0.0008 ± 0.0002	< 0.007 ± 0.001	< 0.0006 ± 0.0003
Lab Blank	THB (1/1)	11/13/96	< 0.4 ± 0.0	< 0.0008 ± 0.0000	< 0.007 ± 0.002	< 0.0006 ± 0.0005
Lab Blank	HgP (1/1)	11/13/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	11/20/96	< 0.4 ± 0.0	< 0.0008 ± 0.0004	< 0.007 ± 0.001	< 0.0006 ± 0.0000
Field Blank	8LCh (1/1)	11/20/96	< 0.4 ± 0.0	< 0.0008 ± 0.0005	< 0.007 ± 0.000	< 0.0006 ± 0.0002
Field Blank	MemF (1/1)	11/20/96	< 0.4 ± 0.0	< 0.0008 ± 0.0002	< 0.007 ± 0.001	< 0.0006 ± 0.0002
Field Blank	CapF (1/1)	11/20/96	< 0.4 ± 0.0	< 0.0008 ± 0.0000	< 0.007 ± 0.001	< 0.0006 ± 0.0002
Field Blank	UF1 (1/1)	11/20/96	< 0.4 ± 0.1	< 0.0008 ± 0.0002	< 0.007 ± 0.001	< 0.0006 ± 0.0002
Field Blank	UF3 (1/1)	11/20/96	< 0.4 ± 0.1	< 0.0008 ± 0.0001	< 0.007 ± 0.000	< 0.0006 ± 0.0003
Field Blank	THB (1/1)	11/20/96	< 0.4 ± 0.1	< 0.0008 ± 0.0001	< 0.007 ± 0.000	< 0.0006 ± 0.0002
Field Blank	CapF (1/1)	11/20/96	< 0.4 ± 0.0	< 0.0008 ± 0.0001	< 0.007 ± 0.001	< 0.0006 ± 0.0003
Field Blank	HgP (1/1)	11/20/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	12/16/96	< 0.02 ± 0.034	< 0.0003 ± 0.0002	< 0.004 ± 0.000	< 0.0002 ± 0.0001
Lab Blank	MemF (1/1)	12/16/96	0.037 ± 0.035	< 0.0003 ± 0.0001	< 0.004 ± 0.000	< 0.0002 ± 0.0001
Lab Blank	CapF (1/1)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	HgP (1/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	UF1 (1/1)	12/16/96	< 0.02 ± 0.011	< 0.0003 ± 0.0001	< 0.004 ± 0.001	< 0.0002 ± 0.0001
Lab Blank	UF3 (1/1)	12/16/96	< 0.02 ± 0.010	< 0.0003 ± 0.0002	< 0.004 ± 0.001	< 0.0002 ± 0.0001
Lab Blank	THB (1/1)	12/16/96	0.023 ± 0.021	< 0.0003 ± 0.0000	< 0.004 ± 0.001	< 0.0002 ± 0.0001
Lab Blank	20LCh-1 (1/1)	12/16/96	< 0.02 ± 0.005	< 0.0003 ± 0.0001	< 0.004 ± 0.000	< 0.0002 ± 0.0001
Lab Blank	20LCh-2 (1/1)	12/16/96	< 0.02 ± 0.027	< 0.0003 ± 0.0001	< 0.004 ± 0.002	< 0.0002 ± 0.0001
Lab Blank	20LCh-3 (1/1)	12/16/96	0.042 ± 0.028	< 0.0003 ± 0.0001	< 0.004 ± 0.000	< 0.0002 ± 0.0002
Lab Blank	20LCh-4 (1/1)	12/16/96	0.020 ± 0.014	< 0.0003 ± 0.0002	< 0.004 ± 0.000	< 0.0002 ± 0.0001
Lab Blank	20LCh-5 (1/1)	12/16/96	0.034 ± 0.010	< 0.0003 ± 0.0002	< 0.004 ± 0.001	< 0.0002 ± 0.0001
Lab Blank	20LCh-6 (1/1)	12/16/96	< 0.02 ± 0.012	< 0.0003 ± 0.0000	< 0.004 ± 0.001	< 0.0002 ± 0.0001
Lab Blank	UF1 (1/1)	12/16/96	< 0.02 ± 0.005	< 0.0003 ± 0.0003	< 0.004 ± 0.001	< 0.0002 ± 0.0001
Lab Blank	HgP (2/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	12/17/96	0.028 ± 0.038	< 0.0003 ± 0.0000	< 0.004 ± 0.000	< 0.0002 ± 0.0001
Field Blank	8LCh (1/1)	12/17/96	< 0.02 ± 0.019	< 0.0003 ± 0.0002	< 0.004 ± 0.001	< 0.0002 ± 0.0002
Field Blank	MemF (1/1)	12/17/96	0.039 ± 0.015	< 0.0003 ± 0.0001	< 0.004 ± 0.000	< 0.0002 ± 0.0001
Field Blank	CapF (1/1)	12/17/96	0.050 ± 0.026	< 0.0003 ± 0.0000	< 0.004 ± 0.000	< 0.0002 ± 0.0001
Field Blank	UF2 (1/1)	12/17/96	0.024 ± 0.014	< 0.0003 ± 0.0001	< 0.004 ± 0.002	< 0.0002 ± 0.0002
Field Blank	THB (1/1)	12/17/96	0.071 ± 0.024	< 0.0003 ± 0.0001	< 0.004 ± 0.000	< 0.0002 ± 0.0001
Lab Blank	DIW (1/1)	01/06/97	< 0.02 ± 0.028	< 0.0003 ± 0.0001	< 0.004 ± 0.000	< 0.0002 ± 0.0001

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Strontium µg/L	Terbium µg/L	Thallium µg/L	Thulium µg/L
Lab Blank	UF1 (1/1)	01/05/97	< 0.02 ± 0.026	< 0.0003 ± 0.0001	< 0.004 ± 0.001	< 0.0002 ± 0.0001
Lab Blank	MemF (1/1)	01/06/97	< 0.02 ± 0.031	< 0.0003 ± 0.0001	< 0.004 ± 0.000	< 0.0002 ± 0.0000
Lab Blank	CapF (1/1)	01/06/97	< 0.06 ± 0.06	< 0.0004 ± 0.0002	< 0.007 ± 0.001	< 0.0004 ± 0.0001
Lab Blank	UF2 (1/2)	01/06/97	< 0.02 ± 0.026	< 0.0003 ± 0.0001	< 0.004 ± 0.001	< 0.0002 ± 0.0000
Lab Blank	UF2 (2/2)	01/06/97	< 0.05 ± 0.01	< 0.0004 ± 0.0002	< 0.007 ± 0.000	< 0.0005 ± 0.0001
Lab Blank	UF3 (1/1)	01/06/97	0.063 ± 0.005	0.0008 ± 0.0001	< 0.004 ± 0.000	0.0002 ± 0.0001
Lab Blank	THB (1/1)	01/06/97	< 0.02 ± 0.015	< 0.0003 ± 0.0000	< 0.004 ± 0.000	< 0.0002 ± 0.0000
Lab Blank	25LCb (1/1)	01/06/97	< 0.02 ± 0.018	< 0.0003 ± 0.0001	< 0.004 ± 0.001	< 0.0002 ± 0.0000
Lab Blank	DIW (1/1)	01/06/97	0.031 ± 0.032	< 0.0003 ± 0.0001	< 0.004 ± 0.000	< 0.0002 ± 0.0002
Lab Blank	HgP (1/1)	01/06/97	— ± —	— ± —	— ± —	— ± —
Field Blank	THB (1/1)	01/06/97	< 0.02 ± 0.018	< 0.0003 ± 0.0002	< 0.004 ± 0.000	< 0.0002 ± 0.0001
Lab Blank	UF2 (1/1)	05/28/97	< 0.06 ± 0.00	< 0.0004 ± 0.0002	< 0.007 ± 0.001	< 0.0004 ± 0.0001
Lab Blank	UF3 (1/1)	05/28/97	< 0.06 ± 0.02	< 0.0004 ± 0.0003	< 0.007 ± 0.001	< 0.0004 ± 0.0001
Lab Blank	THB (1/1)	05/28/97	< 0.06 ± 0.02	< 0.0004 ± 0.0002	< 0.007 ± 0.000	< 0.0004 ± 0.0001
Lab Blank	HgP (1/1)	05/28/97	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/2)	06/05/97	< 0.06 ± 0.02	< 0.0004 ± 0.0001	< 0.007 ± 0.001	< 0.0004 ± 0.0002
Field Blank	DIW (2/2)	06/05/97	< 0.06 ± 0.01	< 0.0004 ± 0.0001	< 0.007 ± 0.001	< 0.0004 ± 0.0000
Field Blank	CapF (1/3)	06/05/97	< 0.06 ± 0.01	< 0.0004 ± 0.0001	< 0.007 ± 0.001	< 0.0004 ± 0.0000
Field Blank	UFVP (1/1)	06/05/97	< 0.06 ± 0.02	< 0.0004 ± 0.0001	< 0.007 ± 0.000	< 0.0004 ± 0.0000
Field Blank	JyCn (1/1)	06/05/97	< 0.06 ± 0.01	< 0.0004 ± 0.0001	< 0.007 ± 0.001	< 0.0004 ± 0.0001
Field Blank	CapF (2/3)	06/05/97	< 0.07 ± 0.03	< 0.0007 ± 0.0002	< 0.008 ± 0.001	< 0.0004 ± 0.0002
Field Blank	CapF (3/3)	06/05/97	0.09 ± 0.05	< 0.0007 ± 0.0001	< 0.008 ± 0.001	< 0.0004 ± 0.0003
Field Blank	SCDI (1/1)	06/05/97	< 0.07 ± 0.09	< 0.0007 ± 0.0002	< 0.008 ± 0.001	< 0.0004 ± 0.0004
Field Blank	SCADI (1/1)	06/05/97	0.07 ± 0.14	< 0.0007 ± 0.0004	< 0.008 ± 0.002	< 0.0004 ± 0.0004
Field Blank	TfTb (1/1)	06/05/97	< 0.07 ± 0.09	< 0.0007 ± 0.0003	< 0.008 ± 0.001	< 0.0004 ± 0.0002
Lab Blank	DIW (1/1)	05/28/97	< 0.06 ± 0.00	< 0.0004 ± 0.0002	< 0.007 ± 0.001	< 0.0004 ± 0.0002
Lab Blank	MemF (1/1)	05/28/97	< 0.06 ± 0.02	< 0.0004 ± 0.0001	< 0.007 ± 0.001	< 0.0004 ± 0.0001
Lab Blank	CapF (1/1)	05/28/97	< 0.06 ± 0.01	< 0.0004 ± 0.0001	< 0.007 ± 0.001	< 0.0004 ± 0.0000

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Uranium µg/L	Vanadium µg/L	Ytterbium µg/L	Yttrium µg/L
Lab Blank	DIW (1/1)	07/10/96	< 0.0014 ± 0.0011	< 0.02 ± 0.01	< 0.0007 ± 0.0003	< 0.0004 ± 0.0002
Lab Blank	8LCh (1/1)	07/10/96	< 0.0014 ± 0.0002	< 0.02 ± 0.00	< 0.0007 ± 0.0002	< 0.0004 ± 0.0005
Lab Blank	MemF (1/1)	07/10/96	< 0.0014 ± 0.0006	< 0.02 ± 0.01	< 0.0007 ± 0.0003	< 0.0004 ± 0.0001
Lab Blank	CapF (1/1)	07/10/96	< 0.0014 ± 0.0004	< 0.02 ± 0.02	< 0.0007 ± 0.0002	< 0.0004 ± 0.0003
Lab Blank	UF1 (1/1)	07/10/96	< 0.0011 ± 0.0004	< 0.03 ± 0.03	0.0014 ± 0.0001	0.0002 ± 0.0006
Lab Blank	UF2 (1/1)	07/10/96	0.0030 ± 0.0044	< 0.02 ± 0.01	< 0.0007 ± 0.0003	< 0.0004 ± 0.0001
Lab Blank	UF3 (1/1)	07/12/96	< 0.0011 ± 0.0009	0.05 ± 0.03	< 0.001 ± 0.0004	0.0007 ± 0.0001
Lab Blank	HgP (1/1)	07/12/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	07/17/96	< 0.0014 ± 0.0014	< 0.02 ± 0.01	< 0.0007 ± 0.0003	< 0.0004 ± 0.0000
Field Blank	8LCh (1/1)	07/17/96	< 0.0011 ± 0.0061	< 0.03 ± 0.13	< 0.001 ± 0.0011	0.0017 ± 0.0014
Field Blank	MemF (1/1)	07/17/96	< 0.0011 ± 0.0015	< 0.03 ± 0.05	< 0.001 ± 0.0008	0.0003 ± 0.0001
Field Blank	CapF (1/1)	07/17/96	< 0.0014 ± 0.0002	< 0.02 ± 0.00	< 0.0007 ± 0.0001	< 0.0004 ± 0.0002
Field Blank	UF2 (1/1)	07/17/96	< 0.0014 ± 0.0021	< 0.02 ± 0.02	< 0.0007 ± 0.0001	< 0.0004 ± 0.0002
Field Blank	UF3 (1/1)	07/17/96	< 0.0014 ± 0.0002	< 0.02 ± 0.01	< 0.0007 ± 0.0006	< 0.0004 ± 0.0003
Field Blank	HgP (1/1)	07/17/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	09/18/96	< 0.006 ± 0.001	0.09 ± 0.10	< 0.002 ± 0.0014	< 0.0004 ± 0.0004
Lab Blank	20LCh (1/1)	09/18/96	< 0.013 ± 0.000	< 0.04 ± 0.04	< 0.0008 ± 0.0000	< 0.0009 ± 0.0005
Lab Blank	MemF (1/1)	09/18/96	< 0.004 ± 0.000	< 0.03 ± 0.07	0.0009 ± 0.0006	< 0.0005 ± 0.0002
Lab Blank	CapF (1/1)	09/18/96	< 0.004 ± 0.001	< 0.03 ± 0.01	< 0.0006 ± 0.0002	< 0.0005 ± 0.0003
Lab Blank	UF2 (1/1)	09/18/96	< 0.013 ± 0.002	< 0.04 ± 0.03	0.0012 ± 0.0003	< 0.0009 ± 0.0006
Lab Blank	UF3 (1/1)	09/18/96	< 0.006 ± 0.003	0.10 ± 0.12	< 0.002 ± 0.0002	< 0.0004 ± 0.0005
Lab Blank	THB (1/1)	09/18/96	< 0.004 ± 0.001	< 0.03 ± 0.04	< 0.0006 ± 0.0007	< 0.0005 ± 0.0002
Lab Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	09/18/96	< 0.006 ± 0.002	< 0.09 ± 0.04	< 0.002 ± 0.0002	< 0.0004 ± 0.0003
Field Blank	20LCh (1/1)	09/18/96	< 0.004 ± 0.001	< 0.03 ± 0.02	0.0009 ± 0.0003	< 0.0005 ± 0.0002
Field Blank	MemF (1/1)	09/18/96	< 0.006 ± 0.001	< 0.09 ± 0.08	< 0.002 ± 0.0007	< 0.0004 ± 0.0004
Field Blank	CapF (1/1)	09/18/96	< 0.004 ± 0.001	< 0.03 ± 0.01	< 0.0006 ± 0.0011	< 0.0005 ± 0.0006
Field Blank	UF2 (1/1)	09/18/96	0.048 ± 0.011	< 0.09 ± 0.01	< 0.002 ± 0.0000	< 0.0004 ± 0.0003
Field Blank	UF3 (1/1)	09/18/96	< 0.004 ± 0.002	0.04 ± 0.02	< 0.0006 ± 0.0001	< 0.0005 ± 0.0002
Field Blank	THB (1/1)	09/18/96	< 0.004 ± 0.001	0.04 ± 0.01	< 0.0006 ± 0.0005	< 0.0005 ± 0.0001
Field Blank	HgP (1/1)	09/18/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	11/13/96	< 0.003 ± 0.003	< 0.04 ± 0.02	< 0.0013 ± 0.0007	< 0.0006 ± 0.0002
Lab Blank	8LCh (1/1)	11/13/96	< 0.003 ± 0.001	< 0.04 ± 0.01	< 0.0013 ± 0.0005	0.0007 ± 0.0005
Lab Blank	MemF (1/1)	11/13/96	< 0.003 ± 0.005	< 0.04 ± 0.02	< 0.0013 ± 0.0010	< 0.0006 ± 0.0001

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Uranium µg/L	Vanadium µg/L	Ytterbium µg/L	Yttrium µg/L
Lab Blank	CapF (1/1)	11/14/96	< 0.003 ± 0.001	< 0.04 ± 0.01	< 0.0013 ± 0.0010	< 0.0006 ± 0.0003
Lab Blank	UF2 (1/1)	11/13/96	< 0.003 ± 0.003	< 0.04 ± 0.01	< 0.0013 ± 0.0009	< 0.0006 ± 0.0005
Lab Blank	UF3 (1/1)	11/13/96	0.003 ± 0.003	< 0.04 ± 0.01	< 0.0013 ± 0.0007	0.0013 ± 0.0002
Lab Blank	THB (1/1)	11/13/96	< 0.003 ± 0.002	< 0.04 ± 0.01	< 0.0013 ± 0.0005	< 0.0006 ± 0.0006
Lab Blank	HgP (1/1)	11/13/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	11/20/96	0.004 ± 0.006	< 0.04 ± 0.01	< 0.0013 ± 0.0006	< 0.0006 ± 0.0003
Field Blank	8LCh (1/1)	11/20/96	< 0.003 ± 0.003	< 0.04 ± 0.01	< 0.0013 ± 0.0005	< 0.0006 ± 0.0002
Field Blank	MemF (1/1)	11/20/96	< 0.003 ± 0.001	< 0.04 ± 0.01	< 0.0013 ± 0.0008	< 0.0006 ± 0.0002
Field Blank	CapF (1/1)	11/20/96	< 0.003 ± 0.001	< 0.04 ± 0.01	< 0.0013 ± 0.0015	< 0.0006 ± 0.0002
Field Blank	UF1 (1/1)	11/20/96	< 0.003 ± 0.002	< 0.04 ± 0.01	< 0.0013 ± 0.0003	< 0.0006 ± 0.0003
Field Blank	UF3 (1/1)	11/20/96	< 0.003 ± 0.001	< 0.04 ± 0.01	< 0.0013 ± 0.0006	< 0.0006 ± 0.0005
Field Blank	THB (1/1)	11/20/96	< 0.003 ± 0.002	< 0.04 ± 0.00	< 0.0013 ± 0.0002	0.0009 ± 0.0008
Field Blank	CapF (1/1)	11/20/96	< 0.003 ± 0.001	< 0.04 ± 0.00	< 0.0013 ± 0.0001	< 0.0006 ± 0.0001
Field Blank	HgP (1/1)	11/20/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	DIW (1/1)	12/16/96	0.0008 ± 0.0010	< 0.011 ± 0.008	< 0.0008 ± 0.0003	< 0.0001 ± 0.0003
Lab Blank	MemF (1/1)	12/16/96	< 0.0005 ± 0.0004	< 0.011 ± 0.007	< 0.0008 ± 0.0001	< 0.0001 ± 0.0002
Lab Blank	CapF (1/1)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	HgP (1/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Lab Blank	UF1 (1/1)	12/16/96	< 0.0005 ± 0.0003	< 0.011 ± 0.006	< 0.0008 ± 0.0002	< 0.0001 ± 0.0001
Lab Blank	UF3 (1/1)	12/16/96	0.0005 ± 0.0002	< 0.011 ± 0.006	< 0.0008 ± 0.0003	< 0.0001 ± 0.0003
Lab Blank	THB (1/1)	12/16/96	< 0.0005 ± 0.0001	< 0.011 ± 0.004	< 0.0008 ± 0.0002	0.0003 ± 0.0003
Lab Blank	20LCh-1 (1/1)	12/16/96	< 0.0005 ± 0.0004	< 0.011 ± 0.006	< 0.0008 ± 0.0001	0.0002 ± 0.0005
Lab Blank	20LCh-2 (1/1)	12/16/96	< 0.0005 ± 0.0001	< 0.011 ± 0.004	< 0.0008 ± 0.0002	< 0.0001 ± 0.0005
Lab Blank	20LCh-3 (1/1)	12/16/96	0.0006 ± 0.0007	< 0.011 ± 0.007	< 0.0008 ± 0.0004	0.0004 ± 0.0006
Lab Blank	20LCh-4 (1/1)	12/16/96	< 0.0005 ± 0.0004	< 0.011 ± 0.004	< 0.0008 ± 0.0003	0.0002 ± 0.0001
Lab Blank	20LCh-5 (1/1)	12/16/96	0.0007 ± 0.0009	< 0.012 ± 0.006	< 0.0008 ± 0.0002	0.0004 ± 0.0005
Lab Blank	20LCh-6 (1/1)	12/16/96	0.0005 ± 0.0002	< 0.011 ± 0.004	< 0.0008 ± 0.0002	< 0.0001 ± 0.0001
Lab Blank	UF1 (1/1)	12/16/96	< 0.0005 ± 0.0007	< 0.011 ± 0.010	< 0.0008 ± 0.0002	< 0.0001 ± 0.0002
Lab Blank	HgP (2/2)	12/16/96	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/1)	12/17/96	< 0.0005 ± 0.0003	< 0.011 ± 0.001	< 0.0008 ± 0.0003	< 0.0001 ± 0.0000
Field Blank	8LCh (1/1)	12/17/96	< 0.0005 ± 0.0003	< 0.011 ± 0.003	< 0.0008 ± 0.0004	< 0.0001 ± 0.0004
Field Blank	MemF (1/1)	12/17/96	0.0006 ± 0.0013	< 0.011 ± 0.015	< 0.0008 ± 0.0007	0.0004 ± 0.0003
Field Blank	CapF (1/1)	12/17/96	< 0.0005 ± 0.0003	< 0.011 ± 0.014	< 0.0008 ± 0.0001	0.0007 ± 0.0001
Field Blank	UF2 (1/1)	12/17/96	< 0.0005 ± 0.0004	< 0.011 ± 0.006	< 0.0008 ± 0.0001	< 0.0001 ± 0.0002
Field Blank	THB (1/1)	12/17/96	< 0.0005 ± 0.0006	< 0.011 ± 0.002	< 0.0008 ± 0.0007	0.0006 ± 0.0003
Lab Blank	DIW (1/1)	01/06/97	< 0.001 ± 0.000	< 0.008 ± 0.004	< 0.0007 ± 0.0007	< 0.0004 ± 0.0003

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Uranium µg/L	Vanadium µg/L	Ytterbium µg/L	Yttrium µg/L
Lab Blank	UF1 (1/1)	01/05/97	< 0.001 ± 0.000	< 0.008 ± 0.003	< 0.0007 ± 0.0000	< 0.0004 ± 0.0000
Lab Blank	MemF (1/1)	01/06/97	< 0.001 ± 0.000	< 0.008 ± 0.008	< 0.0007 ± 0.0007	< 0.0004 ± 0.0002
Lab Blank	CapF (1/1)	01/06/97	< 0.002 ± 0.001	< 0.02 ± 0.01	< 0.001 ± 0.000	< 0.0005 ± 0.0006
Lab Blank	UF2 (1/2)	01/06/97	< 0.001 ± 0.001	< 0.008 ± 0.000	< 0.0007 ± 0.0003	< 0.0004 ± 0.0002
Lab Blank	UF2 (2/2)	01/06/97	0.146 ± 0.036	< 0.011 ± 0.008	< 0.0016 ± 0.0005	< 0.0007 ± 0.0002
Lab Blank	UF3 (1/1)	01/06/97	< 0.001 ± 0.000	0.21 ± 0.00	0.0016 ± 0.0004	0.023 ± 0.001
Lab Blank	THB (1/1)	01/06/97	< 0.001 ± 0.000	< 0.008 ± 0.002	< 0.0007 ± 0.0003	< 0.0004 ± 0.0001
Lab Blank	25LCb (1/1)	01/06/97	< 0.001 ± 0.000	< 0.008 ± 0.003	< 0.0007 ± 0.0004	< 0.0004 ± 0.0002
Lab Blank	DIW (1/1)	01/06/97	< 0.001 ± 0.000	< 0.008 ± 0.003	< 0.0007 ± 0.0001	< 0.0004 ± 0.0004
Lab Blank	HgP (1/1)	01/06/97	— ± —	— ± —	— ± —	— ± —
Field Blank	THB (1/1)	01/06/97	< 0.001 ± 0.000	< 0.008 ± 0.005	< 0.0007 ± 0.0003	< 0.0004 ± 0.0002
Lab Blank	UF2 (1/1)	05/28/97	< 0.002 ± 0.002	< 0.02 ± 0.01	< 0.001 ± 0.000	< 0.0005 ± 0.0002
Lab Blank	UF3 (1/1)	05/28/97	< 0.002 ± 0.001	0.03 ± 0.01	< 0.001 ± 0.000	0.0024 ± 0.0010
Lab Blank	THB (1/1)	05/28/97	< 0.002 ± 0.000	< 0.02 ± 0.01	< 0.001 ± 0.001	< 0.0005 ± 0.0002
Lab Blank	HgP (1/1)	05/28/97	— ± —	— ± —	— ± —	— ± —
Field Blank	DIW (1/2)	06/05/97	< 0.002 ± 0.001	< 0.02 ± 0.01	< 0.001 ± 0.000	< 0.0005 ± 0.0003
Field Blank	DIW (2/2)	06/05/97	< 0.002 ± 0.001	< 0.02 ± 0.02	< 0.001 ± 0.000	< 0.0005 ± 0.0004
Field Blank	CapF (1/3)	06/05/97	< 0.002 ± 0.002	< 0.02 ± 0.01	< 0.001 ± 0.000	< 0.0005 ± 0.0003
Field Blank	UFVP (1/1)	06/05/97	< 0.002 ± 0.001	< 0.02 ± 0.02	< 0.001 ± 0.000	< 0.0005 ± 0.0000
Field Blank	JyCn (1/1)	06/05/97	< 0.002 ± 0.001	< 0.02 ± 0.01	< 0.001 ± 0.000	< 0.0005 ± 0.0002
Field Blank	CapF (2/3)	06/05/97	< 0.004 ± 0.008	< 0.03 ± 0.03	< 0.0008 ± 0.0008	< 0.0005 ± 0.0006
Field Blank	CapF (3/3)	06/05/97	< 0.004 ± 0.004	< 0.03 ± 0.01	< 0.0008 ± 0.0006	< 0.0005 ± 0.0001
Field Blank	SCDI (1/1)	06/05/97	< 0.004 ± 0.001	< 0.03 ± 0.02	0.0008 ± 0.0011	0.0007 ± 0.0010
Field Blank	SCADI (1/1)	06/05/97	< 0.004 ± 0.002	< 0.03 ± 0.03	< 0.0008 ± 0.0013	0.0006 ± 0.0008
Field Blank	TfTb (1/1)	06/05/97	< 0.004 ± 0.000	< 0.03 ± 0.05	< 0.0008 ± 0.0006	< 0.0005 ± 0.0004
Lab Blank	DIW (1/1)	05/28/97	< 0.002 ± 0.001	< 0.02 ± 0.01	< 0.001 ± 0.001	< 0.0005 ± 0.0004
Lab Blank	MemF (1/1)	05/28/97	< 0.002 ± 0.003	< 0.02 ± 0.01	< 0.001 ± 0.000	< 0.0005 ± 0.0000
Lab Blank	CapF (1/1)	05/28/97	< 0.002 ± 0.001	< 0.02 ± 0.01	< 0.001 ± 0.001	< 0.0005 ± 0.0001

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Zinc µg/L	Zirconium µg/L
Lab Blank	DIW (1/1)	07/10/96	0.20 ± 0.07	< 0.017 ± 0.001
Lab Blank	8LCh (1/1)	07/10/96	0.73 ± 0.02	< 0.017 ± 0.001
Lab Blank	MemF (1/1)	07/10/96	0.45 ± 0.04	< 0.017 ± 0.002
Lab Blank	CapF (1/1)	07/10/96	0.21 ± 0.07	< 0.017 ± 0.002
Lab Blank	UF1 (1/1)	07/10/96	0.57 ± 0.21	0.008 ± 0.005
Lab Blank	UF2 (1/1)	07/10/96	0.32 ± 0.06	< 0.017 ± 0.003
Lab Blank	UF3 (1/1)	07/12/96	0.86 ± 0.11	< 0.007 ± 0.001
Lab Blank	HgP (1/1)	07/12/96	— ± —	— ± —
Field Blank	DIW (1/1)	07/17/96	0.22 ± 0.09	< 0.017 ± 0.002
Field Blank	8LCh (1/1)	07/17/96	0.62 ± 0.13	< 0.007 ± 0.004
Field Blank	MemF (1/1)	07/17/96	0.98 ± 0.07	< 0.007 ± 0.011
Field Blank	CapF (1/1)	07/17/96	0.81 ± 0.13	< 0.017 ± 0.004
Field Blank	UF2 (1/1)	07/17/96	0.38 ± 0.05	< 0.017 ± 0.002
Field Blank	UF3 (1/1)	07/17/96	0.36 ± 0.06	< 0.017 ± 0.001
Field Blank	HgP (1/1)	07/17/96	— ± —	— ± —
Lab Blank	DIW (1/1)	09/18/96	0.16 ± 0.05	< 0.003 ± 0.002
Lab Blank	20LCh (1/1)	09/18/96	0.17 ± 0.12	< 0.008 ± 0.001
Lab Blank	MemF (1/1)	09/18/96	0.23 ± 0.08	< 0.009 ± 0.004
Lab Blank	CapF (1/1)	09/18/96	0.61 ± 0.03	< 0.009 ± 0.002
Lab Blank	UF2 (1/1)	09/18/96	0.31 ± 0.10	< 0.008 ± 0.002
Lab Blank	UF3 (1/1)	09/18/96	0.24 ± 0.03	< 0.003 ± 0.002
Lab Blank	THB (1/1)	09/18/96	0.31 ± 0.14	< 0.009 ± 0.005
Lab Blank	HgP (1/1)	09/18/96	— ± —	— ± —
Field Blank	DIW (1/1)	09/18/96	0.14 ± 0.02	< 0.003 ± 0.001
Field Blank	20LCh (1/1)	09/18/96	0.14 ± 0.04	< 0.009 ± 0.003
Field Blank	MemF (1/1)	09/18/96	2.3 ± 0.2	< 0.003 ± 0.003
Field Blank	CapF (1/1)	09/18/96	0.29 ± 0.07	< 0.009 ± 0.003
Field Blank	UF2 (1/1)	09/18/96	0.05 ± 0.01	< 0.003 ± 0.000
Field Blank	UF3 (1/1)	09/18/96	0.80 ± 0.03	< 0.009 ± 0.001
Field Blank	THB (1/1)	09/18/96	0.32 ± 0.05	< 0.009 ± 0.003
Field Blank	HgP (1/1)	09/18/96	— ± —	— ± —
Lab Blank	DIW (1/1)	11/13/96	0.20 ± 0.01	< 0.02 ± 0.01
Lab Blank	8LCh (1/1)	11/13/96	0.16 ± 0.00	< 0.02 ± 0.00
Lab Blank	MemF (1/1)	11/13/96	0.15 ± 0.12	< 0.02 ± 0.00

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Zinc µg/L	Zirconium µg/L
Lab Blank	CapF (1/1)	11/14/96	0.32 ± 0.01	< 0.02 ± 0.00
Lab Blank	UF2 (1/1)	11/13/96	0.36 ± 0.13	< 0.02 ± 0.00
Lab Blank	UF3 (1/1)	11/13/96	0.49 ± 0.02	< 0.02 ± 0.00
Lab Blank	THB (1/1)	11/13/96	1.15 ± 0.06	< 0.02 ± 0.01
Lab Blank	HgP (1/1)	11/13/96	— ± —	— ± —
Field Blank	DIW (1/1)	11/20/96	0.60 ± 0.04	< 0.02 ± 0.00
Field Blank	8LCh (1/1)	11/20/96	0.47 ± 0.05	< 0.02 ± 0.00
Field Blank	MemF (1/1)	11/20/96	0.41 ± 0.00	< 0.02 ± 0.00
Field Blank	CapF (1/1)	11/20/96	0.50 ± 0.01	< 0.02 ± 0.00
Field Blank	UF1 (1/1)	11/20/96	< 0.03 ± 0.05	< 0.02 ± 0.00
Field Blank	UF3 (1/1)	11/20/96	0.44 ± 0.05	< 0.02 ± 0.00
Field Blank	THB (1/1)	11/20/96	0.46 ± 0.08	< 0.02 ± 0.00
Field Blank	CapF (1/1)	11/20/96	< 0.03 ± 0.03	< 0.02 ± 0.00
Field Blank	HgP (1/1)	11/20/96	— ± —	— ± —
Lab Blank	DIW (1/1)	12/16/96	0.13 ± 0.18	< 0.003 ± 0.003
Lab Blank	MemF (1/1)	12/16/96	0.18 ± 0.02	0.012 ± 0.006
Lab Blank	CapF (1/1)	12/16/96	— ± —	— ± —
Lab Blank	HgP (1/2)	12/16/96	— ± —	— ± —
Lab Blank	UF1 (1/1)	12/16/96	0.18 ± 0.16	0.007 ± 0.006
Lab Blank	UF3 (1/1)	12/16/96	0.32 ± 0.09	0.006 ± 0.006
Lab Blank	THB (1/1)	12/16/96	0.17 ± 0.05	0.006 ± 0.003
Lab Blank	20LCh-1 (1/1)	12/16/96	0.15 ± 0.10	0.016 ± 0.003
Lab Blank	20LCh-2 (1/1)	12/16/96	0.05 ± 0.04	< 0.003 ± 0.002
Lab Blank	20LCh-3 (1/1)	12/16/96	0.43 ± 0.09	0.014 ± 0.011
Lab Blank	20LCh-4 (1/1)	12/16/96	0.12 ± 0.03	< 0.003 ± 0.003
Lab Blank	20LCh-5 (1/1)	12/16/96	0.29 ± 0.19	< 0.003 ± 0.003
Lab Blank	20LCh-6 (1/1)	12/16/96	0.54 ± 0.02	< 0.003 ± 0.003
Lab Blank	UF1 (1/1)	12/16/96	< 0.03 ± 0.05	< 0.003 ± 0.003
Lab Blank	HgP (2/2)	12/16/96	— ± —	— ± —
Field Blank	DIW (1/1)	12/17/96	0.28 ± 0.11	0.004 ± 0.003
Field Blank	8LCh (1/1)	12/17/96	1.08 ± 0.08	0.005 ± 0.005
Field Blank	MemF (1/1)	12/17/96	0.55 ± 0.00	0.012 ± 0.002
Field Blank	CapF (1/1)	12/17/96	0.57 ± 0.23	0.008 ± 0.002
Field Blank	UF2 (1/1)	12/17/96	0.17 ± 0.07	0.004 ± 0.000
Field Blank	THB (1/1)	12/17/96	0.70 ± 0.03	0.015 ± 0.009
Lab Blank	DIW (1/1)	01/06/97	< 0.08 ± 0.03	< 0.009 ± 0.002

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date	Zinc µg/L	Zirconium µg/L
Lab Blank	UF1 (1/1)	01/05/97	< 0.08 ± 0.04	< 0.009 ± 0.001
Lab Blank	MemF (1/1)	01/06/97	< 0.08 ± 0.07	< 0.009 ± 0.001
Lab Blank	CapF (1/1)	01/06/97	0.50 ± 0.01	< 0.008 ± 0.004
Lab Blank	UF2 (1/2)	01/06/97	< 0.08 ± 0.05	< 0.009 ± 0.003
Lab Blank	UF2 (2/2)	01/06/97	0.15 ± 0.09	< 0.007 ± 0.002
Lab Blank	UF3 (1/1)	01/06/97	0.44 ± 0.15	< 0.009 ± 0.001
Lab Blank	THB (1/1)	01/06/97	0.24 ± 0.05	< 0.009 ± 0.002
Lab Blank	25LCb (1/1)	01/06/97	0.09 ± 0.10	< 0.009 ± 0.002
Lab Blank	DIW (1/1)	01/06/97	1.2 ± 0.0	< 0.009 ± 0.001
Lab Blank	HgP (1/1)	01/06/97	— ± —	— ± —
Field Blank	THB (1/1)	01/06/97	< 0.08 ± 0.03	< 0.009 ± 0.001
Lab Blank	UF2 (1/1)	05/28/97	0.07 ± 0.03	< 0.008 ± 0.004
Lab Blank	UF3 (1/1)	05/28/97	3.6 ± 1.1	< 0.008 ± 0.001
Lab Blank	THB (1/1)	05/28/97	1.1 ± 0.2	< 0.008 ± 0.003
Lab Blank	HgP (1/1)	05/28/97	— ± —	— ± —
Field Blank	DIW (1/2)	06/05/97	1.1 ± 0.0	< 0.008 ± 0.004
Field Blank	DIW (2/2)	06/05/97	1.1 ± 0.0	< 0.008 ± 0.003
Field Blank	CapF (1/3)	06/05/97	< 0.07 ± 0.02	< 0.008 ± 0.001
Field Blank	UFVP (1/1)	06/05/97	< 0.07 ± 0.06	< 0.008 ± 0.003
Field Blank	JyCn (1/1)	06/05/97	< 0.07 ± 0.02	< 0.008 ± 0.005
Field Blank	CapF (2/3)	06/05/97	0.68 ± 0.17	< 0.005 ± 0.002
Field Blank	CapF (3/3)	06/05/97	0.56 ± 0.01	< 0.005 ± 0.001
Field Blank	SCDI (1/1)	06/05/97	< 0.03 ± 0.07	< 0.005 ± 0.003
Field Blank	SCADI (1/1)	06/05/97	0.06 ± 0.04	< 0.005 ± 0.005
Field Blank	TfTb (1/1)	06/05/97	0.31 ± 0.07	< 0.005 ± 0.005
Lab Blank	DIW (1/1)	05/28/97	< 0.07 ± 0.02	< 0.008 ± 0.004
Lab Blank	MemF (1/1)	05/28/97	0.93 ± 0.03	< 0.008 ± 0.005
Lab Blank	CapF (1/1)	05/28/97	0.44 ± 0.07	< 0.008 ± 0.004

Table A2-2. Results of laboratory and field blanks for water sample processing—*Continued*

Blank Type	Process Type	Date (mm/dd/yy)	Lead (µg/L) ICP–MS
Blanks for lead grab samples			
Lab blank	Grab (1/1)	09/18/96	0.005 ± 0.002
Field blank	DWI (1/1)	09/27/96	<0.004 ± 0.003
Field blank	UF1 (1/1)	09/27/96	<0.004 ± 0.002
Field blank	Grab (1/1)	09/27/96	<0.004 ± 0.003
Lab blank	DWI (1/1)	11/13/96	<0.005 ± 0.007
Lab blank	Grab (1/1)	11/13/96	<0.005 ± 0.002
Lab blank	Mem F (1/1)	11/13/96	0.018 ± 0.013
Lab blank	UF1 (1/1)	11/13/96	<0.005 ± 0.008
Lab blank	Grab (1/1)	11/13/96	<0.005 ± 0.008
Field blank	DWI (1/1)	11/18/96	<0.005 ± 0.009
Field blank	Cap F (1/1)	11/18/96	0.012 ± 0.018
Field blank	UF1 (1/1)	11/18/96	0.008 ± 0.024
Field blank	Grab (1/1)	11/18/96	0.016 ± 0.031
Lab blank	DWI (1/1)	07/10/96	<0.004 ± 0.006
Lab blank	Cap F (1/1)	07/10/96	<0.004 ± 0.005
Lab blank	UF1 (1/1)	07/10/96	<0.004 ± 0.003
Lab blank	UF2 (1/1)	07/10/96	<0.004 ± 0.003
Lab blank	Grab (1/1)	07/10/96	<0.004 ± 0.004
Field blank	Grab (1/1)	07/17/96	<0.005 ± 0.003
Field blank	DWI (1/1)	07/17/96	<0.005 ± 0.001
Field blank	Cap F (1/1)	07/17/96	0.017 ± 0.003
Field blank	UF2 (1/1)	07/17/96	0.025 ± 0.002
Field blank	UF3 (1/1)	07/17/96	<0.005 ± 0.001
Field blank	Mem F (1/1)	07/17/96	0.03 ± 0.003
Field blank	DWI (1/1)	12/17/96	0.005 ± 0.007
Field blank	Grab (1/1)	12/17/96	0.007 ± 0.005
Lab blank	DWI (1/1)	01/06/97	<0.004 ± 0.003
Lab blank	UF2 (1/1)	01/06/97	<0.004 ± 0.001
Lab blank	DWI (1/1)	05/28/97	<0.01 ± 0
Lab blank	Mem F (1/1)	05/28/97	<0.008 ± 0.003
Lab blank	UF2 (1/1)	05/28/97	<0.01 ± 0
Lab blank	Cap F (1/1)	05/28/97	<0.01 ± 0
Field blank	DWI (1/1)	06/05/97	<0.01 ± 0
Field blank	Cap F (1/2)	06/05/97	<0.008 ± 0.001
Field blank	UF3 (Verona) (1/1)	06/05/97	<0.01 ± 0
Field blank	Grab (1/1)	06/05/97	<0.01 ± 0
Field blank	JyCn (1/1)	06/05/97	<0.01 ± 0
Field blank	Cap F (2/2)	06/05/97	<0.008 ± 0.001
Field blank	SCDI (1/1)	06/05/97	<0.01 ± 0
Field blank	TfTb	06/05/97	0.01 ± 0.01

Table A2-3. Observed metal concentrations and percentage recovery in biological reference materials processed using the same methods as caddisfly samples

[NIST, National Institute of Standards and Technology; SRM, Standard Reference Material. Dividing micrograms per sample by dry weight gives concentrations in micrograms per gram dry weight. Certified concentration values reported by the NIST for SRM 1566a–Oyster tissue and SRM 50–Albacore tuna are presented in Table 22. Percentage recovery is the measured value divided by the NIST certified value and multiplied by 100. g, gram; µg/sample, micogram per sample; —, no certified value

Reference material	Tissue	Dry weight (in g)	Aluminum	Cadmium	Copper	Iron	Lead	Zinc
			Observed Concentration (in µg/sample)					
NIST SRM1556	Oyster	0.3941	134.5	4.31	63.4	520	0.457	850
NIST SRM1556	Oyster	0.401	124.7	4.24	59.9	511	0.324	800
NIST SRM1566	Oyster	0.4133	142.8	4.36	65.3	549	0.339	811
NIST SRM1566	Oyster	0.4342	140.5	4.38	57.6	509	0.368	814
NIST SRM1566	Oyster	0.4125	138.2	4.61	63.0	499	0.339	819
NIST SRM50	Tuna	0.354	7.6	0.07	3.1	53.7	0.593	13.8
NIST SRM50	Tuna	0.4242	7.1	0.04	3.1	51.9	0.684	14.4
NIST SRM50	Tuna	0.3798	7.1	0.04	3.2	52.7	0.553	14.5
NIST SRM50	Tuna	0.434	5.1	0.05	2.8	50.7	0.392	13.1
NIST SRM50	Tuna	0.443	4.5	0.10	3.2	54.2	0.384	13.1
			Percentage Recovery					
NIST SRM1566	Oyster	0.3941	67	104	96	97	123	102
NIST SRM1566	Oyster	0.401	62	102	90	95	87	96
NIST SRM1566	Oyster	0.4133	71	105	99	102	91	98
NIST SRM1566	Oyster	0.4342	70	105	87	94	99	101
NIST SRM1566	Oyster	0.4125	68	111	95	93	91	99
NIST SRM50	Tuna	0.354	—	—	—	—	129	102
NIST SRM50	Tuna	0.4242	—	—	—	—	149	106
NIST SRM50	Tuna	0.3798	—	—	—	—	120	106
NIST SRM50	Tuna	0.434	—	—	—	—	85	97
NIST SRM50	Tuna	0.443	—	—	—	—	83	96

Table A2-4. Procedural blanks for caddisfly samples collected from the Sacramento River and Cottonwood Creek, October 21–23, 1996

[Blanks were processed with samples using identical methods; Br., Bridge; Cr., Creek; R., River; Sac., Sacramento; <, less than; µg/sample, microgram per sample]

Station	Sample ID	Sample Fraction	Aluminum (µg/sample)	Cadmium (µg/sample)	Copper (µg/sample)	Iron (µg/sample)	Lead (µg/sample)	Zinc (µg/sample)
Sac. R.–Rodeo	SRRBLK1wb	Whole Body	0.71	< 0.002	0.016	3	0.019	0.33
	SRRBLK1c	Cytosol	0.33	< 0.003	< 0.006	< 0.3	0.006	0.21
Sac. R.–Churn Cr.	SRABLK1wb	Whole Body	0.41	< 0.003	0.013	2	0.008	0.26
	SRABLK1c	Cytosol	0.35	< 0.003	< 0.006	< 1	0.005	< 0.18
Sac. R.–Balls Ferry	SRBFBLK1wb	Whole Body	0.8	0.041	< 0.006	1	0.005	< 0.18
	SRBFBLK1c	Cytosol	0.81	0.016	< 0.006	< 0.5	< 0.003	< 0.18
Sac. R.–Bend Br.	SRBBLK1wb	Whole Body	0.35	< 0.003	0.013	3	0.011	0.31
	SRBBLK1c	Cytosol	0.6	0.003	< 0.006	< 0.7	0.009	< 0.18
Sac. R.–Tehama	SRTBLK1wb	Whole Body	0.68	< 0.003	< 0.006	< 0.6	0.006	< 0.18
	SRTBLK1c	Cytosol	0.17	< 0.003	< 0.006	< 1	0.006	< 0.18
Cottonwood Cr.	SRCCBLK1wb	Whole Body	0.35	< 0.003	0.073	2	0.007	< 0.18
	SRCCBLK1c	Cytosol	0.26	< 0.003	< 0.006	< 0.6	0.19	0.52

Table A2-5. Concentration data for standard reference materials

[n, number of times standards were analyzed. Median, median value of all analysis; MAD, median absolute deviation of all observations (cf, Rousseeuw, 1990); NIST, National Institute of Standards and Technology; seq., sequential; SRM, Standard Reference Material;PUB, published concentration value for standard reference material. (All values for NIST standards are certified values unless indicated by "(i)" for "informational purposes;" all values for USGS standards are most probable values); PUB–SD, standard deviation of the published concentration value; USGS, U.S. Geological Survey; wt %, weight percent; *, standard diluted 1/10 for analysis; **, standard diluted 1/100 for analysis; —, not analyzed; nr, not reported. µg/g, microgram per gram, µg/L, microgram per liter; mg/L, milligram per liter]

Table A2-5. Concentration data for standard reference materials—*Continued*

	Aluminum						Antimony					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 1643b*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 1643d*	µg/L	618	129	5	127.6	3.5	µg/L	260	54.7	1.8	54.1	1.1
SRM 2704-total digestion	wt %	19	5.7	0.44	6.11	0.16	µg/g	19	3.9	0.15	3.79	0.15
SRM 2704-sum of seq. digestion	wt %	5	3.2	0.33	6.11	0.16	µg/g	5	3.9	0.3	3.79	0.15
SRM 1645-sum of seq. digestion	—	—	—	—	—	—	µg/g	5	28	2.2	51	nr
USGS Standards												
T99	—	—	—	—	—	—	—	—	—	—	—	—
T101	—	—	—	—	—	—	—	—	—	—	—	—
T103	µg/L	50	132	6	127	38	µg/L	50	9.4	0.5	9.4	0.5
T105	—	—	—	—	—	—	—	—	—	—	—	—
T107	—	—	—	—	—	—	—	—	—	—	—	—
T111	µg/L	42	85	2	83	30	—	—	—	—	—	—
T113	µg/L	201	317	8	317	31	µg/L	149	17.1	0.8	18.9	4.8
T117	µg/L	246	76	3	79	19.4	µg/L	153	5.7	0.3	5.5	0.96
T119	µg/L	75	167	5	171	30	µg/L	33	8.7	0.2	8.6	1.41
T125	µg/L	205	22	1	24	8.56	µg/L	114	6.2	0.2	6.24	1.305
T129	µg/L	94	47	1	50	11.9	µg/L	94	0.2	0.0	0.55	0.87
T131	µg/L	100	129	4	132	20	µg/L	17	56.3	0.7	56.2	6.7
T133	µg/L	60	52	1	52.1	8.1	µg/L	21	14.6	0.6	14.4	2.4
T135	—	—	—	—	—	—	—	—	—	—	—	—
T137	µg/L	42	31	1	30.5	6.9	—	—	—	—	—	—
T143	—	—	—	—	—	—	—	—	—	—	—	—
T145	µg/L	411	68	2	67.6	11	µg/L	89	8.8	0.2	8.8	0.96
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Arsenic						Barium					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	µg/L	57	76.2	3.8	76	7	µg/L	42	48	3	46	2
SRM 1643b*	µg/L	159	53.0	2.9	49	nr	µg/L	159	44	3	44	2
SRM 1643d*	µg/L	289	53.3	2.4	56.02	0.73	µg/L	306	502	18	506.5	8.9
SRM 2704-total digestion	—	—	—	—	—	—	µg/g	19	400	30	414	12
SRM 2704-sum of seq. digestion	—	—	—	—	—	—	µg/g	5	230	22	414	12
SRM 1645-sum of seq. digestion	—	—	—	—	—	—	—	—	—	—	—	—
USGS Standards												
T99	—	—	—	—	—	—	—	—	—	—	—	—
T101	—	—	—	—	—	—	µg/L	50	57	4	59.7	16
T103	µg/L	50	3.2	0.1	3.2	0.9	µg/L	50	42	1	40.5	3.2
T105	—	—	—	—	—	—	µg/L	155	7.5	0.9	7.6	7
T107	—	—	—	—	—	—	µg/L	202	186	9	192	11
T111	—	—	—	—	—	—	—	—	—	—	—	—
T113	µg/L	162	23.9	0.6	23.8	3	µg/L	149	70	3	70	7
T117	µg/L	167	7.4	0.3	6.9	1.4	µg/L	153	98	4	98.5	6.3
T119	µg/L	33	4.0	0.1	4.2	0.57	µg/L	33	44	2	44	3
T125	µg/L	126	10.3	0.4	10.2	1.54	µg/L	114	17	1	16.9	1.67
T129	µg/L	94	0.2	0.1	0.55	1.14	µg/L	94	34	2	34	1.9
T131	µg/L	22	54.8	2.2	56.6	5.4	µg/L	17	445	17	507	22
T133	µg/L	21	27.1	0.5	27.1	3.3	µg/L	21	148	4	148	9
T135	—	—	—	—	—	—	µg/L	110	66	5	67.8	4.3
T137	—	—	—	—	—	—	µg/L	111	63	7	65	4.8
T143	—	—	—	—	—	—	µg/L	40	82	10	81.9	4.5
T145	µg/L	101	9.7	0.3	9.88	1.04	µg/L	89	37	1	37.1	1.9
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Beryllium						Boron					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	µg/L	42	19.4	1.1	19	2	—	—	—	—	—	—
SRM 1643b*	µg/L	159	18.8	0.8	19	2	µg/L	159	100	12	94	nr
SRM 1643d*	µg/L	260	11.9	0.6	12.53	0.28	µg/L	351	150	22	144.8	5.2
SRM 2704-total digestion	—	—	—	—	—	—	—	—	—	—	—	—
SRM 2704-sum of seq. digestion	—	—	—	—	—	—	—	—	—	—	—	—
SRM 1645-sum of seq. digestion	—	—	—	—	—	—	—	—	—	—	—	—
USGS Standards												
T99	—	—	—	—	—	—	µg/L	33	491	22	495	9
T101	—	—	—	—	—	—	µg/L	50	332	18	370	21
T103	µg/L	50	5.0	0.1	4.8	1	µg/L	50	111	5	120	39
T105	—	—	—	—	—	—	µg/L	155	144	7	142	300
T107	—	—	—	—	—	—	µg/L	202	136	9	130	7
T111	—	—	—	—	—	—	—	—	—	—	—	—
T113	µg/L	149	10.5	0.5	10	0.9	µg/L	175	199	12	188	19
T117	µg/L	153	4.7	0.2	4.8	0.4	µg/L	218	147	8	151	20.8
T119	µg/L	33	13.2	0.3	13.6	1.7	µg/L	33	27	1	28	8.9
T125	µg/L	114	15.0	0.5	15	1.19	µg/L	182	18	3	19.4	8.02
T129	—	—	—	—	—	—	µg/L	94	10	4	11.6	2.8
T131	µg/L	17	12.2	0.3	12.2	0.8	µg/L	46	151	12	141	12
T133	µg/L	21	35.2	1.9	35	2.2	µg/L	21	299	15	297	16
T135	—	—	—	—	—	—	µg/L	110	10	3	13	11
T137	—	—	—	—	—	—	µg/L	111	14	4	16	4
T143	—	—	—	—	—	—	µg/L	40	33	6	35	5
T145	µg/L	89	9.0	0.2	9.04	0.7	µg/L	244	46	2	45.6	5.8
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Cadmium						Calcium					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	µg/L	159	11.5	0.4	10	1	—	—	—	—	—	—
SRM 1643b*	µg/L	159	20.2	0.8	20	1	mg/L	18	34.7	0.5	35	nr
SRM 1643d*	µg/L	622	6.50	0.62	6.47	0.37	—	—	—	—	—	—
SRM 2704-total digestion	µg/g	19	3.70	0.15	3.45	0.22	wt %	19	2.70	0.15	2.60	0.03
SRM 2704-sum of seq. digestion	µg/g	5	3.5	0.23	3.45	0.22	wt %	5	2.78	0.17	2.6	0.03
SRM 1645-sum of seq. digestion	µg/g	5	7.7	0.44	10.2	1.5	—	—	—	—	—	—
USGS Standards												
T99	—	—	—	—		—	—	mg/L	33	184	8	202	15
T101	—	—	—	—		—	—	mg/L	50	71.4	2.5	72.5	0.7
T103	µg/L	50	1.78	0.06	1.7	0.4	mg/L	80	55.2	2.2	54.7	2
T105	—	—	—	—		—	—	mg/L	155	72.5	3.1	73	4.2
T107	—	—	—	—		—	—	mg/L	202	12.3	0.9	11.7	0.2
T111	µg/L	46	24.5	0.3	23	1.9	—	—	—	—	—	—	—
T113	µg/L	201	4.12	0.14	4.23	0.8	—	—	—	—	—	—	—
T117	µg/L	246	2.25	0.08	2.2	0.4	mg/L	55	20.9	0.4	20.9	1.2
T119	µg/L	79	2.94	0.08	2.8	0.44	—	—	—	—	—	—	—
T125	µg/L	205	7.43	0.16	7.2	0.75	mg/L	99	9.7	0.4	9.34	0.53
T129	µg/L	94	0.28	0.07	0.34	0.15	—	—	—	—	—	—	—
T131	µg/L	104	6.13	0.18	6.1	0.47	mg/L	41	31.4	1.2	30.6	1.2
T133	µg/L	63	22.8	0.4	23	2.1	mg/L	38	7.5	1.0	7.04	0.33
T135	—	—	—	—		—	—	mg/L	110	11.0	0.7	10.4	0.6
T137	µg/L	46	6.96	0.09	6.8	0.52	mg/L	111	38.7	2.8	38.1	1.5
T143	—	—	—	—		—	—	mg/L	40	53.1	3.6	53.7	2.2
T145	µg/L	435	9.29	0.17	9.33	0.82	mg/L	46	31.2	3.9	30.7	1.3
Hg7*	—	—	—	—		—	—	—	—	—	—	—	—
Hg10**	—	—	—	—		—	—	—	—	—	—	—	—
Hg12**	—	—	—	—		—	—	—	—	—	—	—	—
Hg15**	—	—	—	—		—	—	—	—	—	—	—	—
Hg24**	—	—	—	—		—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Cerium						Chromium					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	—	—	—	—	—	—	µg/L	87	19.0	1.6	17	2
SRM 1643b*	—	—	—	—	—	—	µg/L	159	19.6	1.7	18.6	0.4
SRM 1643d*	—	—	—	—	—	—	µg/L	323	19.0	1.3	18.53	0.2
SRM 2704-total digestion	µg/g	19	55	10	72(i)	nr	µg/g	19	130	15	135	5
SRM 2704-sum of seq. digestion	µg/g	5	0.24	11	72(i)	nr	µg/g	5	140	10	135	5
SRM 1645-sum of seq. digestion	—	—	—	—	—	—	wt %	5	2.6	0.31	2.96	0.28
USGS Standards												
T99	—	—	—	—	—	—	—	—	—	—	—	—
T101	—	—	—	—	—	—	—	—	—	—	—	—
T103	—	—	—	—	—	—	µg/L	50	5.6	1.5	5.5	1.3
T105	—	—	—	—	—	—	—	—	—	—	—	—
T107	—	—	—	—	—	—	—	—	—	—	—	—
T111	—	—	—	—	—	—	µg/L	8	26.0	1.0	25.8	3.7
T113	—	—	—	—	—	—	—	—	—	—	—	—
T117	—	—	—	—	—	—	µg/L	193	10.3	0.4	10.3	1.59
T119	—	—	—	—	—	—	µg/L	41	18.5	0.7	18.6	2.2
T125	—	—	—	—	—	—	µg/L	150	4.2	0.3	3.99	0.71
T129	—	—	—	—	—	—	—	—	—	—	—	—
T131	—	—	—	—	—	—	µg/L	39	19.3	0.8	18.6	2.1
T133	—	—	—	—	—	—	µg/L	28	38.1	1.5	38	3.2
T135	—	—	—	—	—	—	—	—	—	—	—	—
T137	—	—	—	—	—	—	µg/L	8	19.3	0.1	19.4	2
T143	—	—	—	—	—	—	—	—	—	—	—	—
T145	—	—	—	—	—	—	µg/L	181	15.1	0.6	15.3	1.4
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Cobalt						Copper					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	µg/L	86	21.9	1.0	19	2	µg/L	159	20.7	1.5	18	2
SRM 1643b*	µg/L	159	26.1	0.9	26	1	µg/L	159	23.9	1.9	21.9	0.4
SRM 1643d*	µg/L	366	24.8	0.7	25	0.59	µg/L	622	21.3	1.5	20.5	3.8
SRM 2704-total digestion	µg/g	19	14.0	1.5	14.0	0.6	µg/g	19	96.0	5.9	98.6	5.0
SRM 2704-sum of seq. digestion	µg/g	5	12.5	1.2	14	0.6	µg/g	5	98	10	98.6	5
SRM 1645-sum of seq. digestion	µg/g	5	6.9	0.6	8	nr	µg/g	5	92	6	109	19
USGS Standards												
T99	—	—	—	—	—	—	µg/L	33	26	2	28	5
T101	—	—	—	—	—	—	µg/L	50	47	4	50	7
T103	µg/L	50	3.1	0.1	5.2	3.1	µg/L	50	82.6	2.0	83.3	5.7
T105	—	—	—	—	—	—	µg/L	155	19.2	1.7	20	4
T107	—	—	—	—	—	—	µg/L	202	30.0	2	30	2
T111	µg/L	46	9.0	0.2	9	1.7	µg/L	46	10.7	0.3	10.9	2.1
T113	µg/L	175	10.4	0.4	10.2	1.3	µg/L	201	46.1	1.3	47	5
T117	µg/L	180	4.1	0.2	4.3	0.74	µg/L	246	6.0	0.2	6	1.76
T119	µg/L	79	5.2	0.1	5.1	0.96	µg/L	79	2.1	0.1	2	1
T125	µg/L	148	9.7	0.3	9.45	0.78	µg/L	205	18.1	0.5	17.4	2.1
T129	—	—	—	—	—	—	µg/L	94	2.3	0.1	2.7	1.4
T131	µg/L	80	24.7	0.6	24.6	1.9	µg/L	104	20.5	0.6	20.2	2
T133	µg/L	63	20.0	0.4	20	1.5	µg/L	63	85.3	2.2	85.3	4.5
T135	—	—	—	—	—	—	µg/L	110	62	5	62.0	4.2
T137	—	—	—	—	—	—	µg/L	46	1.7	0.1	1.9	1.2
T143	—	—	—	—	—	—	µg/L	40	21.7	4.4	22.3	1.9
T145	µg/L	325	10.0	0.2	10	0.9	µg/L	435	11.0	0.2	11	1.4
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Dysprosium						Europium					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	—	—	—	—	—	—	—	—	—	—	—	
SRM 1643b*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 1643d*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 2704-total digestion	µg/g	19	4.6	0.3	6(i)	nr	µg/g	19	1.1	0.1	1.3(i)	nr
SRM 2704-sum of seq. digestion	µg/g	5	2.9	0.3	6(i)	nr	µg/g	5	0.65	0.05	1.3(i)	nr
SRM 1645-sum of seq. digestion	—	—	—	—	—	—	—	—	—	—	—	—
USGS Standards												
T99	—	—	—	—	—	—	—	—	—	—	—	—
T101	—	—	—	—	—	—	—	—	—	—	—	—
T103	—	—	—	—	—	—	—	—	—	—	—	—
T105	—	—	—	—	—	—	—	—	—	—	—	—
T107	—	—	—	—	—	—	—	—	—	—	—	—
T111	—	—	—	—	—	—	—	—	—	—	—	—
T113	—	—	—	—	—	—	—	—	—	—	—	—
T117	—	—	—	—	—	—	—	—	—	—	—	—
T119	—	—	—	—	—	—	—	—	—	—	—	—
T125	—	—	—	—	—	—	—	—	—	—	—	—
T129	—	—	—	—	—	—	—	—	—	—	—	—
T131	—	—	—	—	—	—	—	—	—	—	—	—
T133	—	—	—	—	—	—	—	—	—	—	—	—
T135	—	—	—	—	—	—	—	—	—	—	—	—
T137	—	—	—	—	—	—	—	—	—	—	—	—
T143	—	—	—	—	—	—	—	—	—	—	—	—
T145	—	—	—	—	—	—	—	—	—	—	—	—
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Iron						Lanthanum					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 1643b*	mg/L	18	0.106	0.004	0.099	0.008	—	—	—	—	—	—
SRM 1643d*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 2704-total digestion	wt %	19	4.20	0.15	4.11	0.10	µg/g	19	24	4	29(i)	nr
SRM 2704-sum of seq. digestion	wt %	5	4.34	0.21	4.11	0.1	µg/g	5	8.9	3.9	29(i)	nr
SRM 1645-sum of seq. digestion	wt %	5	9.8	0.04	11.3	1.2	µg/g	5	6.7	0	9	nr
USGS Standards												
T99	mg/L	33	0.138	0.006	0.137	0.007	—	—	—	—	—	—
T101	mg/L	50	0.189	0.014	0.191	0.005	—	—	—	—	—	—
T103	mg/L	80	0.042	0.005	0.041	0.0076	—	—	—	—	—	—
T105	mg/L	155	0.019	0.006	0.024	0.012	—	—	—	—	—	—
T107	mg/L	202	0.055	0.007	0.052	0.002	—	—	—	—	—	—
T111	—	—	—	—	—	—	—	—	—	—	—	—
T113	—	—	—	—	—	—	—	—	—	—	—	—
T117	mg/L	55	0.475	0.008	0.474	0.0182	—	—	—	—	—	—
T119	—	—	—	—	—	—	—	—	—	—	—	—
T125	mg/L	99	0.099	0.006	0.0979	0.0073	—	—	—	—	—	—
T129	—	—	—	—	—	—	—	—	—	—	—	—
T131	mg/L	41	0.085	0.008	0.0907	0.0089	—	—	—	—	—	—
T133	mg/L	38	0.035	0.009	0.0314	0.0067	—	—	—	—	—	—
T135	mg/L	110	0.228	0.015	0.228	0.011	—	—	—	—	—	—
T137	mg/L	111	0.066	0.013	0.071	0.009	—	—	—	—	—	—
T143	mg/L	40	0.220	0.026	0.222	0.014	—	—	—	—	—	—
T145	mg/L	46	0.104	0.018	0.101	0.008	—	—	—	—	—	—
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Lead						Lithium					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	µg/L	159	28.0	1.2	27	1	—	—	—	—	—	—
SRM 1643b*	µg/L	159	23.6	0.9	23.7	0.7	—	—	—	—	—	—
SRM 1643d*	µg/L	622	18.2	0.7	18.15	0.64	µg/L	364	16.8	1.0	16.5	0.55
SRM 2704-total digestion	µg/g	19	150	10	161	17	µg/g	19	45.0	1.5	47.5	4.1
SRM 2704-sum of seq. digestion	µg/g	5	160	7	161	17	µg/g	5	44.1	1.9	47.5	4.1
SRM 1645-sum of seq. digestion	µg/g	5	610	15	714	28	—	—	—	—	—	—
USGS Standards												
T99	—	—	—	—	—	—	—	—	—	—	—	—
T101	—	—	—	—	—	—	—	—	—	—	—	—
T103	µg/L	50	8.4	0.4	7.7	2.1	µg/L	50	29.8	1.1	32.5	3.1
T105	—	—	—	—	—	—	—	—	—	—	—	—
T107	—	—	—	—	—	—	—	—	—	—	—	—
T111	µg/L	46	19.9	0.6	18.8	5.8	µg/L	8	12.0	0.4	11.4	3.9
T113	—	—	—	—	—	—	µg/L	149	45.5	1.7	45	7
T117	µg/L	246	4.8	0.2	5	1.33	µg/L	204	20.4	0.7	20	2.48
T119	µg/L	79	7.0	0.3	6.7	1.12	µg/L	41	60.3	2.0	60.5	4.2
T125	µg/L	205	8.2	0.3	8.11	1.21	µg/L	160	15.9	0.7	16.2	1.58
T129	—	—	—	—	—	—	µg/L	94	18.0	0.6	18	2.6
T131	µg/L	104	16.5	0.9	18.1	2.7	µg/L	43	17.4	0.6	17	1.5
T133	µg/L	63	27.5	0.8	27.8	2.7	µg/L	28	51.2	2.0	51	3.5
T135	—	—	—	—	—	—	—	—	—	—	—	—
T137	µg/L	46	6.3	0.2	6.3	1	µg/L	8	9.0	0.2	8.7	1.5
T143	—	—	—	—	—	—	—	—	—	—	—	—
T145	µg/L	435	12.7	0.3	12.7	1.2	µg/L	225	27.2	0.7	27.3	2.5
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Lutetium						Magnesium					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 1643b*	—	—	—	—	—	—	mg/L	18	8.4	0.1	8.5	nr
SRM 1643d*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 2704-total digestion	µg/g	19	0.4	0.0	0.6(i)	nr	wt %	19	1.10	0.15	1.20	0.02
SRM 2704-sum of seq. digestion	µg/g	5	0.19	0.03	0.6(i)	nr	wt %	5	0.75	0.11	1.2	0.02
SRM 1645-sum of seq. digestion	—	—	—	—	—	—	—	—	—	—	—	—
USGS Standards												
T99	—	—	—	—	—	—	mg/L	33	113	5	113	2
T101	—	—	—	—	—	—	mg/L	50	52.6	1.4	52.6	0.6
T103	—	—	—	—	—	—	mg/L	80	30.5	1.0	30.5	1.2
T105	—	—	—	—	—	—	mg/L	155	65.5	2.8	66.8	2.7
T107	—	—	—	—	—	—	mg/L	202	2.2	0.1	2.1	0.03
T111	—	—	—	—	—	—	—	—	—	—	—	—
T113	—	—	—	—	—	—	—	—	—	—	—	—
T117	—	—	—	—	—	—	mg/L	55	10.1	0.1	10.05	0.44
T119	—	—	—	—	—	—	—	—	—	—	—	—
T125	—	—	—	—	—	—	mg/L	99	2.0	0.1	2	0.11
T129	—	—	—	—	—	—	—	—	—	—	—	—
T131	—	—	—	—	—	—	mg/L	41	7.9	0.2	8	0.28
T133	—	—	—	—	—	—	mg/L	38	6.0	0.4	5.82	0.21
T135	—	—	—	—	—	—	mg/L	110	2.0	0.1	2	0.09
T137	—	—	—	—	—	—	mg/L	111	10.2	0.8	10.1	0.5
T143	—	—	—	—	—	—	mg/L	40	10.2	0.9	10.4	0.5
T145	—	—	—	—	—	—	mg/L	46	8.7	0.8	8.68	0.45
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Manganese						Mercury					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	µg/L	70	34.6	2.5	31	2	—	—	—	—	—	—
SRM 1643b*	µg/L	159	32.6	2.0	28	2	—	—	—	—	—	—
SRM 1643d*	µg/L	334	39.2	1.8	37.66	0.83	—	—	—	—	—	—
SRM 2704-total digestion	µg/g	19	570	15	555	19	µg/g	18	1.55	0.10	1.47	0.07
SRM 2704-sum of seq. digestion	µg/g	5	560	13	555	19	µg/g	5	1.42	0.06	1.47	0.07
SRM 1645-sum of seq. digestion	µg/g	5	690	44	785	97	—	—	—	—	—	—
USGS Standards												
T99	µg/L	33	82	4	82	14	—	—	—	—	—	—
T101	µg/L	50	48	2	50	4	—	—	—	—	—	—
T103	µg/L	80	1.5	0.5	9	2.1	—	—	—	—	—	—
T105	µg/L	155	73	3	73	7	—	—	—	—	—	—
T107	µg/L	202	47	2	45	6	—	—	—	—	—	—
T111	µg/L	46	556	25	619	54	—	—	—	—	—	—
T113	µg/L	149	65	2	65	5	—	—	—	—	—	—
T117	µg/L	178	214	8	220	14.9	—	—	—	—	—	—
T119	µg/L	79	35.2	0.8	35	2.9	—	—	—	—	—	—
T125	µg/L	137	18.4	0.7	18	1.22	—	—	—	—	—	—
T129	µg/L	94	25.6	1.0	25.2	2.2	—	—	—	—	—	—
T131	µg/L	74	38.6	1.2	37.8	3	—	—	—	—	—	—
T133	µg/L	63	119	3	121	7	—	—	—	—	—	—
T135	µg/L	110	423	22	423	20	—	—	—	—	—	—
T137	µg/L	46	95	2	98	5	—	—	—	—	—	—
T143	µg/L	40	17.9	2.2	18.2	1.9	—	—	—	—	—	—
T145	µg/L	311	21.0	0.5	20.9	1.5	—	—	—	—	—	—
Hg7*	—	—	—	—	—	—	µg/L	302	0.024	0.004	0.022	0.008
Hg10**	—	—	—	—	—	—	µg/L	70	1.42	0.12	1.40	0.30
Hg12**	—	—	—	—	—	—	µg/L	220	1.39	0.08	1.44	0.25
Hg15**	—	—	—	—	—	—	µg/L	3	0.44	0.06	0.41	0.20
Hg24**	—	—	—	—	—	—	µg/L	10	0.42	0.03	0.42	0.05

Table A2-5. Concentration data for standard reference materials—*Continued*

	Molybdenum						Nickel					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	µg/L	57	108	6	95	6	µg/L	99	55.7	1.7	55	3
SRM 1643b*	µg/L	159	97	3	85	3	µg/L	159	50.1	2.9	49	3
SRM 1643d*	µg/L	273	115	4	112.9	1.7	µg/L	377	58.3	1.7	58.1	2.7
SRM 2704-total digestion	—	—	—	—	—	—	µg/g	19	45.0	4.4	44.1	3.0
SRM 2704-sum of seq. digestion	—	—	—	—	—	—	µg/g	5	40.6	7.0	44.1	3
SRM 1645-sum of seq. digestion	—	—	—	—	—	—	µg/g	5	39	3	45.8	2.9
USGS Standards												
T99	—	—	—	—	—	—	—	—	—	—	—	—
T101	—	—	—	—	—	—	—	—	—	—	—	—
T103	µg/L	50	38.0	0.9	36.5	4.6	µg/L	50	6.8	0.3	6.7	2.5
T105	—	—	—	—	—	—	—	—	—	—	—	—
T107	—	—	—	—	—	—	—	—	—	—	—	—
T111	—	—	—	—	—	—	µg/L	46	15.4	0.4	15.5	4.1
T113	µg/L	149	33.5	1.1	34	5	µg/L	175	2.3	0.2	2.1	1.2
T117	µg/L	166	11.1	0.5	11.8	2	µg/L	192	9.1	0.5	10	2.45
T119	µg/L	33	10.8	0.3	11.9	2.4	µg/L	79	22.5	0.5	21.8	2.2
T125	µg/L	126	19.1	0.7	20.1	1.78	µg/L	160	11.5	0.4	11.2	1.04
T129	µg/L	94	19.9	0.8	20.3	2.1	µg/L	94	1.7	0.2	1.7	1.7
T131	µg/L	21	120	3	112	10	µg/L	83	56.8	1.5	56.3	4.7
T133	µg/L	21	47.9	0.6	46	4.2	µg/L	63	27.0	0.7	27.2	3.1
T135	—	—	—	—	—	—	—	—	—	—	—	—
T137	—	—	—	—	—	—	µg/L	46	14.7	0.3	15	2.5
T143	—	—	—	—	—	—	—	—	—	—	—	—
T145	µg/L	118	8.8	0.3	9.23	1.29	µg/L	352	10.8	0.4	11	1.3
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Rubidium						Samarium					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 1643b*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 1643d*	µg/L	—	—	—	—	—	—	—	—	—	—	—
SRM 2704-total digestion	µg/g	19	64	24	100	nr	µg/g	19	5.7	0.7	6.7	nr
SRM 2704-sum of seq. digestion	µg/g	5	33.8	10	100	nr	µg/g	5	3.8	0.7	6.7	nr
SRM 1645-sum of seq. digestion	—	—	—	—	—	—	—	—	—	—	—	—
USGS Standards												
T99	—	—	—	—	—	—	—	—	—	—	—	—
T101	—	—	—	—	—	—	—	—	—	—	—	—
T103	—	—	—	—	—	—	—	—	—	—	—	—
T105	—	—	—	—	—	—	—	—	—	—	—	—
T107	—	—	—	—	—	—	—	—	—	—	—	—
T111	—	—	—	—	—	—	—	—	—	—	—	—
T113	—	—	—	—	—	—	—	—	—	—	—	—
T117	—	—	—	—	—	—	—	—	—	—	—	—
T119	—	—	—	—	—	—	—	—	—	—	—	—
T125	—	—	—	—	—	—	—	—	—	—	—	—
T129	—	—	—	—	—	—	—	—	—	—	—	—
T131	—	—	—	—	—	—	—	—	—	—	—	—
T133	—	—	—	—	—	—	—	—	—	—	—	—
T135	—	—	—	—	—	—	—	—	—	—	—	—
T137	—	—	—	—	—	—	—	—	—	—	—	—
T143	—	—	—	—	—	—	—	—	—	—	—	—
T145	—	—	—	—	—	—	—	—	—	—	—	—
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Selenium						Silica					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	µg/L	114	9.0	2.3	11	1	—	—	—	—	—	—
SRM 1643b*	µg/L	159	7.9	1.4	9.7	0.5	—	—	—	—	—	—
SRM 1643d*	µg/L	389	9.7	1.4	11.43	0.17	—	—	—	—	—	—
SRM 2704-total digestion	wt %	—	—	—	—	—	wt %	19	29.9	2.1	29.08	0.13
SRM 2704-sum of seq. digestion	wt %	—	—	—	—	—	wt %	5	31.1	1.5	29.08	0.13
SRM 1645-sum of seq. digestion	—	—	—	—	—	—	—	—	—	—	—	—
USGS Standards												
T99	—	—	—	—	—	—	mg/L	33	11.1	0.5	10.9	0.3
T101	—	—	—	—	—	—	mg/L	50	6.86	0.24	6.97	0.177
T103	µg/L	50	3.2	0.3	2.9	1	mg/L	80	7.46	0.34	7.5	0.2
T105	—	—	—	—	—	—	mg/L	155	25.4	1.0	25.4	1.5
T107	—	—	—	—	—	—	mg/L	202	7.92	0.39	7.7	0.2
T111	µg/L	46	3.7	0.2	3.3	1	—	—	—	—	—	—
T113	µg/L	175	19.2	0.6	19	3.7	—	—	—	—	—	—
T117	µg/L	205	6.0	0.5	6	1.46	mg/L	55	11.8	0.2	11.85	0.64
T119	µg/L	79	9.9	0.4	9.8	1.33	—	—	—	—	—	—
T125	µg/L	172	9.7	0.4	9.78	1.85	mg/L	99	5.19	0.17	5.18	0.32
T129	—	—	—	—	—	—	—	—	—	—	—	—
T131	µg/L	88	9.9	0.5	11.2	2	mg/L	41	5.83	0.26	5.8	0.9
T133	µg/L	63	20.2	0.9	21.4	3.7	mg/L	38	10.2	0.9	10.1	0.7
T135	—	—	—	—	—	—	mg/L	110	4.39	0.42	4.28	0.31
T137	—	—	—	—	—	—	mg/L	111	6.89	0.57	6.96	0.56
T143	—	—	—	—	—	—	mg/L	40	23.2	1.6	23.4	1.7
T145	µg/L	381	10.0	0.4	10.1	1.3	mg/L	46	11.5	1.3	11.3	0.7
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Silver						Sodium					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 1643b*	µg/L	159	10.1	1.0	9.8	0.8	mg/L	18	8.4	0.1	8	nr
SRM 1643d*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 2704-total digestion	—	—	—	—	—	—	wt %	19	0.620	0.089	0.547	0.014
SRM 2704-sum of seq. digestion	—	—	—	—	—	—	—	—	—	—	—	—
SRM 1645-sum of seq. digestion	—	—	—	—	—	—	—	—	—	—	—	—
USGS Standards												
T99	—	—	—	—	—	—	mg/L	33	328	22	323	5
T101	—	—	—	—	—	—	mg/L	50	100	6	96.8	1.2
T103	µg/L	50	3.2	0.5	3.3	0.9	mg/L	80	108	6	107	5
T105	—	—	—	—	—	—	mg/L	155	295	22	298	17
T107	—	—	—	—	—	—	mg/L	202	21.7	2.4	20.7	0.3
T111	—	—	—	—	—	—	—	—	—	—	—	—
T113	µg/L	188	4.1	1.5	5	1	—	—	—	—	—	—
T117	µg/L	232	1.5	0.4	1.4	0.64	mg/L	55	19.9	0.6	20	1.26
T119	µg/L	33	2.4	0.6	4	1.31	—	—	—	—	—	—
T125	µg/L	194	3.1	1.2	3.83	0.604	mg/L	99	22.6	1.1	22.3	1.2
T129	—	—	—	—	—	—	—	—	—	—	—	—
T131	µg/L	51	0.9	0.5	1.26	0.24	mg/L	41	22.7	2.6	21.4	0.8
T133	µg/L	21	8.3	1.7	7.44	0.89	mg/L	38	31.9	4.9	29.4	1.2
T135	—	—	—	—	—	—	mg/L	110	31.5	3.2	30.8	1.2
T137	—	—	—	—	—	—	mg/L	111	22.8	3.4	22	1.1
T143	—	—	—	—	—	—	mg/L	40	33.9	4.8	34	1.6
T145	µg/L	256	7.6	0.3	7.55	0.92	mg/L	46	41.8	7.3	41.2	1.9
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Strontium						Thallium					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	µg/L	42	234	23	239	5	—	—	—	—	—	—
SRM 1643b*	µg/L	159	233	7	227	6	µg/L	159	7.9	0.4	8.0	0.2
SRM 1643d*	µg/L	306	296	10	294.8	3.4	µg/L	260	7.3	0.3	7.28	0.25
SRM 2704-total digestion	µg/g	19	120	15	130(i)	nr	µg/g	19	1.00	0.03	1.06	0.07
SRM 2704-sum of seq. digestion	µg/g	5	84	9	130(i)	nr	µg/g	5	1.05	0.04	1.06	0.07
SRM 1645-sum of seq. digestion	—	—	—	—	—	—	µg/g	5	1.1	0.1	1.44	0.07
USGS Standards												
T99	µg/L	33	3,900	200	3,900	100	—	—	—	—	—	—
T101	µg/L	50	1,200	0	1,200	36	—	—	—	—	—	—
T103	µg/L	50	753	13	743	34	µg/L	50	2.4	0.1	2	nr
T105	µg/L	155	1,600	0	1,560	80	—	—	—	—	—	—
T107	µg/L	202	63	4	61	4	—	—	—	—	—	—
T111	µg/L	—	—	—	—	—	—	—	—	—	—	—
T113	µg/L	149	33	1	31.9	3.7	—	—	—	—	—	—
T117	µg/L	153	266	4	265	11.1	—	—	—	—	—	—
T119	µg/L	33	74	3	73	5.4	—	—	—	—	—	—
T125	µg/L	114	46	2	46	2.3	—	—	—	—	—	—
T129	µg/L	94	182	3	181	11	—	—	—	—	—	—
T131	µg/L	17	301	6	295	14	—	—	—	—	—	—
T133	µg/L	21	127	3	123	6	—	—	—	—	—	—
T135	µg/L	110	47	3	46	2	—	—	—	—	—	—
T137	µg/L	111	231	17	230	14	—	—	—	—	—	—
T143	µg/L	40	301	21	306	15	—	—	—	—	—	—
T145	µg/L	89	203	5	203	9	µg/L	89	15.3	0.4	15.3	2.7
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Thorium						Tin					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 1643b*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 1643d*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 2704-total digestion	µg/g	19	8.1	0.9	9.2	nr	µg/g	18	14.5	8.7	9.5	nr
SRM 2704-sum of seq. digestion	µg/g	5	3.6	0.6	9.2	nr	µg/g	5	20.15	0.4	9.5	nr
SRM 1645-sum of seq. digestion	µg/g	5	1.6	0.1	1.62	0.22	—	—	—	—	—	—
USGS Standards												
T99	—	—	—	—	—	—	—	—	—	—	—	—
T101	—	—	—	—	—	—	—	—	—	—	—	—
T103	—	—	—	—	—	—	—	—	—	—	—	—
T105	—	—	—	—	—	—	—	—	—	—	—	—
T107	—	—	—	—	—	—	—	—	—	—	—	—
T111	—	—	—	—	—	—	—	—	—	—	—	—
T113	—	—	—	—	—	—	—	—	—	—	—	—
T117	—	—	—	—	—	—	—	—	—	—	—	—
T119	—	—	—	—	—	—	—	—	—	—	—	—
T125	—	—	—	—	—	—	—	—	—	—	—	—
T129	—	—	—	—	—	—	—	—	—	—	—	—
T131	—	—	—	—	—	—	—	—	—	—	—	—
T133	—	—	—	—	—	—	—	—	—	—	—	—
T135	—	—	—	—	—	—	—	—	—	—	—	—
T137	—	—	—	—	—	—	—	—	—	—	—	—
T143	—	—	—	—	—	—	—	—	—	—	—	—
T145	—	—	—	—	—	—	—	—	—	—	—	—
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Titanium						Uranium					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 1643b*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 1643d*	—	—	—	—	—	—	—	—	—	—	—	—
SRM 2704-total digestion	wt %	19	0.460	0.015	0.457	0.018	µg/g	19	3.10	0.15	3.13	0.13
SRM 2704-sum of seq. digestion	wt %	5	0.4629	0.015	0.457	0.018	µg/g	5	3	0.1	3.13	0.13
SRM 1645-sum of seq. digestion	—	—	—	—	—	—	µg/g	5	1.1	0.1	1.11	0.05
USGS Standards												
T99	—	—	—	—	—	—	—	—	—	—	—	—
T101	—	—	—	—	—	—	—	—	—	—	—	—
T103	—	—	—	—	—	—	—	—	—	—	—	—
T105	—	—	—	—	—	—	—	—	—	—	—	—
T107	—	—	—	—	—	—	—	—	—	—	—	—
T111	—	—	—	—	—	—	—	—	—	—	—	—
T113	—	—	—	—	—	—	—	—	—	—	—	—
T117	—	—	—	—	—	—	—	—	—	—	—	—
T119	—	—	—	—	—	—	—	—	—	—	—	—
T125	—	—	—	—	—	—	—	—	—	—	—	—
T129	—	—	—	—	—	—	—	—	—	—	—	—
T131	—	—	—	—	—	—	—	—	—	—	—	—
T133	—	—	—	—	—	—	—	—	—	—	—	—
T135	—	—	—	—	—	—	—	—	—	—	—	—
T137	—	—	—	—	—	—	—	—	—	—	—	—
T143	—	—	—	—	—	—	—	—	—	—	—	—
T145	—	—	—	—	—	—	µg/g	101	1.11	0.04	1.1	0.1
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Vanadium						Ytterbium					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	µg/L	57	57.1	2.7	53	3	—	—	—	—	—	—
SRM 1643b*	µg/L	159	45.8	2.3	45.2	0.4	—	—	—	—	—	—
SRM 1643d*	µg/L	282	35.3	1.3	35.1	1.4	—	—	—	—	—	—
SRM 2704-total digestion	µg/g	19	89	3	95	4	µg/g	19	2.6	0.1	2.8	nr
SRM 2704-sum of seq. digestion	µg/g	5	93.9	1	95	4	µg/g	5	1.26	0.39	2.8	nr
SRM 1645-sum of seq. digestion	µg/g	5	8.5	1.8	23.5	6.9	µg/g	—	—	—	—	—
USGS Standards												
T99	—	—	—	—	—	—	—	—	—	—	—	—
T101	—	—	—	—	—	—	—	—	—	—	—	—
T103	µg/L	50	40.2	1.0	40.4	4.1	—	—	—	—	—	—
T105	—	—	—	—	—	—	—	—	—	—	—	—
T107	—	—	—	—	—	—	—	—	—	—	—	—
T111	µg/L	9	27.8	0.4	27	3.3	—	—	—	—	—	—
T113	µg/L	149	9.4	0.4	9.4	1.5	—	—	—	—	—	—
T117	µg/L	166	4.6	0.2	4.7	1.8	—	—	—	—	—	—
T119	µg/L	42	3.9	0.1	3.8	0.9	—	—	—	—	—	—
T125	µg/L	126	6.8	0.3	6.56	0.89	—	—	—	—	—	—
T129	—	—	—	—	—	—	—	—	—	—	—	—
T131	µg/L	31	35.7	2.0	34.2	3.2	—	—	—	—	—	—
T133	µg/L	29	13.0	0.5	13	1.7	—	—	—	—	—	—
T135	—	—	—	—	—	—	—	—	—	—	—	—
T137	µg/L	9	13.3	0.1	14	1.6	—	—	—	—	—	—
T143	—	—	—	—	—	—	—	—	—	—	—	—
T145	µg/L	144	11.3	0.5	11.7	1.7	—	—	—	—	—	—
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—

Table A2-5. Concentration data for standard reference materials—*Continued*

	Zinc						Zirconium					
	Units	n	Median	MAD	PUB	PUB-SD	Units	n	Median	MAD	PUB	PUB-SD
NIST Standards												
SRM 1643a*	µg/L	159	66	4	72	4	—	—	—	—	—	—
SRM 1643b*	µg/L	159	65	5	66	2	—	—	—	—	—	—
SRM 1643d*	µg/L	622	72	3	72.48	0.65	—	—	—	—	—	—
SRM 2704-total digestion	µg/g	19	440	15	438	12	µg/g	19	350	44	300	nr
SRM 2704-sum of seq. digestion	µg/g	5	414	25	438	12	µg/g	5	302.8	14	300	nr
SRM 1645-sum of seq. digestion	µg/g	5	1560	100	1720	169	—	—	—	—	—	—
USGS Standards												
T99	—	—	—	—	—	—	—	—	—	—	—	—
T101	—	—	—	—	—	—	—	—	—	—	—	—
T103	µg/L	50	19	1	26.5	4.1	—	—	—	—	—	—
T105	—	—	—	—	—	—	—	—	—	—	—	—
T107	—	—	—	—	—	—	—	—	—	—	—	—
T111	µg/L	46	295	6	320	23	—	—	—	—	—	—
T113	µg/L	201	57	2	55.5	6.1	—	—	—	—	—	—
T117	µg/L	246	176	5	176	9.3	—	—	—	—	—	—
T119	µg/L	79	25	1	24.8	4.7	—	—	—	—	—	—
T125	µg/L	205	4.5	0.5	5.95	4.01	—	—	—	—	—	—
T129	µg/L	94	71	3	72	4.8	—	—	—	—	—	—
T131	µg/L	104	68	5	72	4.4	—	—	—	—	—	—
T133	µg/L	63	51	1	53	4.4	—	—	—	—	—	—
T135	—	—	—	—	—	—	—	—	—	—	—	—
T137	µg/L	46	48	1	49.5	4.2	—	—	—	—	—	—
T143	—	—	—	—	—	—	—	—	—	—	—	—
T145	µg/L	435	10	0	10	2.4	—	—	—	—	—	—
Hg7*	—	—	—	—	—	—	—	—	—	—	—	—
Hg10**	—	—	—	—	—	—	—	—	—	—	—	—
Hg12**	—	—	—	—	—	—	—	—	—	—	—	—
Hg15**	—	—	—	—	—	—	—	—	—	—	—	—
Hg24**	—	—	—	—	—	—	—	—	—	—	—	—