

**Table 99-20 . Selected Non-Radiological Constituents
in Lake Carlsbad Sediment Samples Collected during 1998 and 1999**

See CEMRC 1999 Report “Radiological and non-radiological constituents in surface water and sediments at selected reservoirs” for descriptions of locations and methods of data collection.

Analyte	Method	^a MDL (mg kg ⁻¹)	Result (mg kg ⁻¹)
March 17, 1998 (0.6 m depth)			
Ag	^b ICPMS	5.02E-03	^c NA
Al	^d ICPES	2.42E+00	7.21E+03
As	^e AA	1.40E-02	3.45E+00
Ba	ICPES	1.30E-01	1.85E+02
Be	ICPES	1.56E-02	3.69E-01
Bi	ICPES	6.29E-01	<MDL
Ca	ICPES	2.08E+00	1.20E+05
Cd	ICPES	2.58E-02	1.92E-01
Chloride	^f IC	2.10E-01	1.23E+03
Co	ICPES	4.40E-02	2.60E+00
Cr	AA	1.66E-01	9.00E+00
Cu	AA	1.92E-01	2.89E+01
Dy	ICPMS	6.84E-04	NA
Er	ICPMS	5.22E-04	NA
Eu	ICPMS	6.66E-04	NA
Fe	ICPES	1.42E+00	6.38E+03
Fluoride	IC	4.87E-01	<MDL
Gd	ICPMS	6.65E-04	NA
Hg	AA	2.50E-03	2.82E-02
K	ICPES	1.67E+00	1.61E+03

La	ICPMS	1.65E-03	NA
Li	ICPMS	8.34E-03	NA
Mg	ICPES	8.70E-01	1.06E+04
Mn	ICPES	2.49E-02	2.50E+02
Mo	ICPES	3.10E-02	2.84E-01
Na	ICPES	1.45E+00	9.20E+02
Nd	ICPMS	1.45E-03	NA
Ni	AA	3.47E-02	9.08E+00
Nitrate	IC	5.88E-01	<MDL
Pb	AA	1.47E-01	1.70E+01
Phosphate	IC	2.35E+00	<MDL
Pr	ICPMS	8.65E-04	NA
Sb	AA	2.70E-02	3.82E-02
Se	AA	2.10E-02	8.07E-01
Sm	ICPMS	8.73E-04	NA
Sn	ICPMS	7.20E+00	NA
Sr	ICPES	1.40E-01	3.42E+02
Sulfate	IC	1.11E+00	2.31E+03
Th	ICPMS	7.81E-04	NA
Ti	ICPMS	1.42E-01	NA
Tl	ICPMS	1.21E-01	NA
U	ICPMS	8.59E-04	NA
V	ICPES	1.49E-01	1.42E+01
Zn	ICPES	2.50E-01	3.01E+01
March 17, 1998 (0.6 m depth)			
Ag	ICPMS	5.02E-03	NA
Al	ICPES	2.42E+00	7.45E+03
As	AA	1.40E-02	2.96E+00

Ba	ICPES	1.30E-01	1.30E+02
Be	ICPES	1.56E-02	4.64E-01
Bi	ICPES	6.29E-01	<MDL
Ca	ICPES	2.08E+00	1.01E+05
Cd	ICPES	2.58E-02	1.57E-01
Chloride	IC	2.10E-01	2.11E+03
Co	ICPES	4.40E-02	3.08E+00
Cr	AA	1.66E-01	1.02E+01
Cu	AA	1.92E-01	3.68E+00
Dy	ICPMS	6.84E-04	NA
Er	ICPMS	5.22E-04	NA
Eu	ICPMS	6.66E-04	NA
Fe	ICPES	1.42E+00	7.44E+03
Fluoride	IC	4.87E-01	<MDL
Gd	ICPMS	6.65E-04	NA
Hg	AA	2.50E-03	2.08E-02
K	ICPES	1.67E+00	1.74E+03
La	ICPMS	1.65E-03	NA
Li	ICPMS	8.34E-03	NA
Mg	ICPES	8.70E-01	1.25E+04
Mn	ICPES	2.49E-02	2.25E+02
Mo	ICPES	3.10E-02	2.09E-01
Na	ICPES	1.45E+00	1.43E+03
Nd	ICPMS	1.45E-03	NA
Ni	AA	3.47E-02	6.50E+00
Nitrate	IC	5.88E-01	<MDL
Pb	AA	1.47E-01	9.49E+00
Phosphate	IC	2.35E+00	<MDL

Pr	ICPMS	8.65E-04	NA
Sb	AA	2.70E-02	<MDL
Se	AA	2.10E-02	7.92E-01
Sm	ICPMS	8.73E-04	NA
Sn	ICPMS	7.20E+00	NA
Sr	ICPES	1.40E-01	2.94E+02
Sulfate	IC	1.11E+00	4.77E+03
Th	ICPMS	7.81E-04	NA
Ti	ICPMS	1.42E-01	NA
Tl	ICPMS	1.21E-01	NA
U	ICPMS	8.59E-04	NA
V	ICPES	1.49E-01	1.80E+01
Zn	ICPES	2.50E-01	3.00E+01
March 19, 1998 (2.4 m depth)			
Ag	ICPMS	5.02E-03	NA
Al	ICPES	2.42E+00	4.79E+03
As	AA	1.40E-02	2.51E+00
Ba	ICPES	1.30E-01	1.26E+02
Be	ICPES	1.56E-02	3.04E-01
Bi	ICPES	6.29E-01	<MDL
Ca	ICPES	2.08E+00	1.30E+05
Cd	ICPES	2.58E-02	1.78E-01
Chloride	IC	2.10E-01	9.23E+02
Co	ICPES	4.40E-02	2.18E+00
Cr	AA	1.66E-01	7.00E+00
Cu	AA	1.92E-01	1.75E+00
Dy	ICPMS	6.84E-04	NA
Er	ICPMS	5.22E-04	NA

Eu	ICPMS	6.66E-04	NA
Fe	ICPES	1.42E+00	5.25E+03
Fluoride	IC	4.87E-01	<MDL
Gd	ICPMS	6.65E-04	NA
Hg	AA	2.50E-03	2.31E-02
K	ICPES	1.67E+00	1.04E+03
La	ICPMS	1.65E-03	NA
Li	ICPMS	8.34E-03	NA
Mg	ICPES	8.70E-01	8.39E+03
Mn	ICPES	2.49E-02	2.41E+02
Mo	ICPES	3.10E-02	1.71E-01
Na	ICPES	1.45E+00	7.98E+02
Nd	ICPMS	1.45E-03	NA
Ni	AA	3.47E-02	4.31E+00
Nitrate	IC	5.88E-01	<MDL
Pb	AA	1.47E-01	9.63E+00
Phosphate	IC	2.35E+00	1.26E+01
Pr	ICPMS	8.65E-04	NA
Sb	AA	2.70E-02	3.91E-02
Se	AA	2.10E-02	9.67E-01
Sm	ICPMS	8.73E-04	NA
Sn	ICPMS	7.20E+00	NA
Sr	ICPES	1.40E-01	4.22E+02
Sulfate	IC	1.11E+00	1.78E+03
Th	ICPMS	7.81E-04	NA
Ti	ICPMS	1.42E-01	NA
Tl	ICPMS	1.21E-01	NA
U	ICPMS	8.59E-04	NA

V	ICPES	1.49E-01	1.33E+01
Zn	ICPES	2.50E-01	2.53E+01
March 19, 1998 (2.7 m depth)			
Ag	ICPMS	5.02E-03	NA
Al	ICPES	2.42E+00	8.83E+03
As	AA	1.40E-02	2.98E+00
Ba	ICPES	1.30E-01	1.49E+02
Be	ICPES	1.56E-02	5.11E-01
Bi	ICPES	6.29E-01	<MDL
Ca	ICPES	2.08E+00	1.78E+05
Cd	ICPES	2.58E-02	5.21E-01
Chloride	IC	2.10E-01	2.35E+03
Co	ICPES	4.40E-02	2.88E+00
Cr	AA	1.66E-01	1.25E+01
Cu	AA	1.92E-01	1.32E+01
Dy	ICPMS	6.84E-04	NA
Er	ICPMS	5.22E-04	NA
Eu	ICPMS	6.66E-04	NA
Fe	ICPES	1.42E+00	7.96E+03
Fluoride	IC	4.87E-01	<MDL
Gd	ICPMS	6.65E-04	NA
Hg	AA	2.50E-03	4.42E-02
K	ICPES	1.67E+00	1.96E+03
La	ICPMS	1.65E-03	NA
Li	ICPMS	8.34E-03	NA
Mg	ICPES	8.70E-01	1.26E+04
Mn	ICPES	2.49E-02	2.80E+02
Mo	ICPES	3.10E-02	4.06E-01

Na	ICPES	1.45E+00	1.48E+03
Nd	ICPMS	1.45E-03	NA
Ni	AA	3.47E-02	7.69E+00
Nitrate	IC	5.88E-01	<MDL
Pb	AA	1.47E-01	3.37E+01
Phosphate	IC	2.35E+00	2.59E+01
Pr	ICPMS	8.65E-04	NA
Sb	AA	2.70E-02	6.11E-02
Se	AA	2.10E-02	1.61E+00
Sm	ICPMS	8.73E-04	NA
Sn	ICPMS	7.20E+00	NA
Sr	ICPES	1.40E-01	6.50E+02
Sulfate	IC	1.11E+00	4.12E+03
Th	ICPMS	7.81E-04	NA
Ti	ICPMS	1.42E-01	NA
Tl	ICPMS	1.21E-01	NA
U	ICPMS	8.59E-04	NA
V	ICPES	1.49E-01	2.01E+01
Zn	ICPES	2.50E-01	7.80E+01
August 19, 1998 (1.2 m depth)			
Ag	ICPMS	5.02E-03	7.63E-02
Al	ICPMS	4.50E+00	7.64E+03
As	AA	1.40E-01	3.10E+00
Ba	ICPMS	2.14E-01	1.63E+02
Be	ICPMS	1.33E-03	5.12E-01
Ca	ICPMS	4.40E+01	1.29E+05
Cd	ICPMS	2.32E-02	3.64E-01
Ce	ICPMS	2.87E-03	1.54E+01

Chloride	IC	2.10E-01	2.58E+03
Co	ICPMS	2.20E-02	3.30E+00
Cr	ICPMS	1.39E-01	9.11E+00
Cu	ICPMS	6.76E-01	1.13E+01
Dy	ICPMS	6.84E-04	1.03E+00
Er	ICPMS	5.22E-04	5.15E-01
Eu	ICPMS	6.66E-04	3.50E-01
Fe	ICPMS	1.19E+01	7.53E+03
Fluoride	IC	4.87E-01	<MDL
Gd	ICPMS	6.65E-04	1.55E+00
Hg	AA	2.50E-03	2.32E-02
K	ICPMS	3.92E+01	1.84E+03
La	ICPMS	1.65E-03	7.71E+00
Li	ICPMS	8.34E-03	9.58E+00
Mg	ICPMS	1.16E+01	9.81E+03
Mn	ICPMS	8.92E-02	2.65E+02
Mo	ICPMS	7.56E-02	<MDL
Na	ICPMS	1.06E+02	1.68E+03
Nd	ICPMS	1.45E-03	7.57E+00
Ni	ICPMS	1.06E-01	1.24E+01
Nitrate	IC	5.88E-01	<MDL
Pb	ICPMS	1.77E-01	1.49E+01
Phosphate	IC	2.35E+00	<MDL
Pr	ICPMS	8.65E-04	1.95E+00
Sb	ICPMS	2.19E-02	<MDL
Se	AA	9.20E-02	1.25E+00
Sm	ICPMS	8.73E-04	1.54E+00
Sn	ICPMS	7.20E+00	<MDL

Sr	ICPMS	1.04E-01	5.34E+02
Sulfate	IC	1.11E+00	4.79E+03
Th	ICPMS	7.81E-04	2.07E+00
Ti	ICPMS	1.42E-01	2.53E+02
Tl	ICPMS	1.21E-01	1.96E+00
U	ICPMS	8.59E-04	1.23E+00
V	ICPMS	2.68E-01	1.92E+01
Zn	ICPMS	2.67E+00	5.62E+01
August 19, 1998 (3.0 m depth)			
Ag	ICPMS	5.02E-03	9.83E-02
Al	ICPMS	4.50E+00	1.00E+04
As	AA	1.40E-01	3.80E+00
Ba	ICPMS	2.14E-01	1.41E+02
Be	ICPMS	1.33E-03	6.31E-01
Ca	ICPMS	4.40E+01	1.51E+05
Cd	ICPMS	2.32E-02	7.58E-01
Ce	ICPMS	2.87E-03	1.96E+01
Chloride	IC	2.10E-03	2.49E+03
Co	ICPMS	2.20E-02	4.14E+00
Cr	ICPMS	1.39E-01	1.46E+01
Cu	ICPMS	6.76E-01	2.19E+01
Dy	ICPMS	6.84E-04	1.27E+00
Er	ICPMS	5.22E-04	6.37E-01
Eu	ICPMS	6.66E-04	4.23E-01
Fe	ICPMS	1.19E+01	1.02E+04
Fluoride	IC	4.87E-04	<MDL
Gd	ICPMS		2.00E+00
Hg	AA	2.50E-03	4.52E-02

K	ICPMS	3.92E+01	2.22E+03
La	ICPMS	1.65E-03	9.51E+00
Li	ICPMS	8.34E-03	1.38E+01
Mg	ICPMS	1.16E+01	1.38E+04
Mn	ICPMS	8.92E-02	2.59E+02
Mo	ICPMS	7.56E-02	<MDL
Na	ICPMS	1.06E+02	1.16E+03
Nd	ICPMS	1.45E-03	9.70E+00
Ni	ICPMS	1.06E-01	1.70E+01
Nitrate	IC	5.88E-04	<MDL
Pb	ICPMS	1.77E-01	4.41E+01
Phosphate	IC	2.35E-03	2.99E+01
Pr	ICPMS	8.65E-04	2.51E+00
Sb	ICPMS	2.19E-02	<MDL
Se	AA	9.20E-02	2.66E+00
Sm	ICPMS	8.73E-04	1.96E+00
Sn	ICPMS	7.20E+00	<MDL
Sr	ICPMS	1.04E-01	6.31E+02
Sulfate	IC	1.11E-02	1.80E+03
Th	ICPMS	7.81E-04	2.80E+00
Ti	ICPMS	1.42E-01	2.99E+02
Tl	ICPMS	1.21E-01	<MDL
U	ICPMS	8.59E-04	1.74E+00
V	ICPMS	2.68E-01	2.19E+01
Zn	ICPMS	2.67E+00	1.19E+02
August 19, 1998 (3.0 m depth)			
Ag	ICPMS	5.02E-03	8.75E-02
Al	ICPMS	4.50E+00	9.33E+03

As	AA	1.40E-01	3.96E+00
Ba	ICPMS	2.14E-01	1.24E+02
Be	ICPMS	1.33E-03	6.82E-01
Ca	ICPMS	4.40E+01	1.04E+05
Cd	ICPMS	2.32E-02	3.80E-01
Ce	ICPMS	2.87E-03	2.02E+01
Chloride	IC	2.10E-03	2.79E+03
Co	ICPMS	2.20E-02	4.35E+00
Cr	ICPMS	1.39E-01	1.20E+01
Cu	ICPMS	6.76E-01	1.28E+01
Dy	ICPMS	6.84E-04	1.34E+00
Er	ICPMS	5.22E-04	6.73E-01
Eu	ICPMS	6.66E-04	4.38E-01
Fe	ICPMS	1.19E+01	1.02E+04
Fluoride	IC	4.87E-04	<MDL
Gd	ICPMS	6.65E-04	2.08E+00
Hg	AA	2.50E-03	2.43E-02
K	ICPMS	3.92E+01	2.00E+03
La	ICPMS	1.65E-03	9.84E+00
Li	ICPMS	8.34E-03	1.38E+01
Mg	ICPMS	1.16E+01	1.34E+04
Mn	ICPMS	8.92E-02	2.77E+02
Mo	ICPMS	7.56E-02	<MDL
Na	ICPMS	1.06E+02	1.86E+03
Nd	ICPMS	1.45E-03	1.01E+01
Ni	ICPMS	1.06E-01	1.40E+01
Nitrate	IC	5.88E-04	<MDL
Pb	ICPMS	1.77E-01	1.64E+01

Phosphate	IC	2.35E-03	5.99E+00
Pr	ICPMS	8.65E-04	2.64E+00
Sb	ICPMS	2.19E-02	<MDL
Se	AA	9.20E-02	2.00E+00
Sm	ICPMS	8.73E-04	2.06E+00
Sn	ICPMS	7.20E+00	<MDL
Sr	ICPMS	1.04E-01	3.99E+02
Sulfate	IC	1.11E-02	4.85E+03
Th	ICPMS	7.81E-04	3.01E+00
Ti	ICPMS	1.42E-01	2.44E+02
Tl	ICPMS	1.21E-01	<MDL
U	ICPMS	8.59E-04	1.55E+00
V	ICPMS	2.68E-01	2.35E+01
Zn	ICPMS	2.67E+00	7.67E+01
August 19, 1998 (3.7 m depth)			
Ag	ICPMS	5.02E-03	1.02E-01
Al	ICPMS	4.50E+00	1.21E+04
As	AA	1.40E-01	4.30E+00
Ba	ICPMS	2.14E-01	1.26E+02
Be	ICPMS	1.33E-03	8.87E-01
Ca	ICPMS	4.40E+01	1.13E+05
Cd	ICPMS	2.32E-02	4.14E-01
Ce	ICPMS	2.87E-03	2.45E+01
Chloride	IC	2.10E-03	2.46E+03
Co	ICPMS	2.20E-02	5.00E+00
Cr	ICPMS	1.39E-01	1.47E+01
Cu	ICPMS	6.76E-01	1.48E+01
Dy	ICPMS	6.84E-04	1.64E+00

Er	ICPMS	5.22E-04	8.00E-01
Eu	ICPMS	6.66E-04	5.22E-01
Fe	ICPMS	1.19E+01	1.27E+04
Fluoride	IC	4.87E-04	<MDL
Gd	ICPMS	6.65E-04	2.53E+00
Hg	AA	2.50E-03	2.68E-02
K	ICPMS	3.92E+01	2.62E+03
La	ICPMS	1.65E-03	1.19E+01
Li	ICPMS	8.34E-03	1.69E+01
Mg	ICPMS	1.16E+01	1.46E+04
Mn	ICPMS	8.92E-02	3.06E+02
Mo	ICPMS	7.56E-02	<MDL
Na	ICPMS	1.06E+02	1.72E+03
Nd	ICPMS	1.45E-03	1.23E+01
Ni	ICPMS	1.06E-01	1.58E+01
Nitrate	IC	5.88E-04	<MDL
Pb	ICPMS	1.77E-01	1.64E+01
Phosphate	IC	2.35E-03	9.93E+00
Pr	ICPMS	8.65E-04	3.13E+00
Sb	ICPMS	2.19E-02	<MDL
Se	AA	9.20E-02	2.44E+00
Sm	ICPMS	8.73E-04	2.47E+00
Sn	ICPMS	7.20E+00	<MDL
Sr	ICPMS	1.04E-01	4.63E+02
Sulfate	IC	1.11E-02	3.22E+03
Th	ICPMS	7.81E-04	3.69E+00
Ti	ICPMS	1.42E-01	2.75E+02
Tl	ICPMS	1.21E-01	<MDL

U	ICPMS	8.59E-04	1.58E+00
V	ICPMS	2.68E-01	2.32E+01
Zn	ICPMS	2.67E+00	7.66E+01
June 30, 1999 (3.0 m depth)			
Ag	ICPMS	5.02E-03	9.14E-02
Al	ICPMS	4.50E+00	8.02E+03
As	AA	1.40E-01	3.36E+00
Ba	ICPMS	2.14E-01	1.12E+02
Be	ICPMS	1.33E-03	3.95E-01
Ca	ICPMS	4.40E+01	1.50E+05
Cd	ICPMS	2.32E-02	3.40E-01
Ce	ICPMS	2.87E-03	1.53E+01
Chloride	IC	2.10E-03	1.96E+03
Co	ICPMS	2.20E-02	3.54E+00
Cr	ICPMS	1.39E-01	1.03E+01
Cu	ICPMS	6.76E-01	1.00E+01
Dy	ICPMS	6.84E-04	9.46E-01
Er	ICPMS	5.22E-04	4.57E-01
Eu	ICPMS	6.66E-04	3.41E-01
Fe	ICPMS	1.19E+01	8.60E+03
Fluoride	IC	4.87E-04	<MDL
Gd	ICPMS	6.65E-04	1.56E+00
Hg	AA	2.50E-03	2.24E-02
K	ICPMS	3.92E+01	<MDL
La	ICPMS	1.65E-03	8.16E+00
Li	ICPMS	8.34E-03	9.18E+00
Mg	ICPMS	1.16E+01	1.28E+04
Mn	ICPMS	8.92E-02	2.84E+02

Mo	ICPMS	7.56E-02	4.50E-01
Na	ICPMS	1.06E+02	<MDL
Nd	ICPMS	1.45E-03	8.41E+00
Ni	ICPMS	1.06E-01	1.19E+01
Nitrate	IC	5.88E-04	<MDL
Pb	ICPMS	1.77E-01	9.53E+00
Phosphate	IC	2.35E-03	<MDL
Pr	ICPMS	8.65E-04	2.17E+00
Sb	ICPMS	2.19E-02	1.31E-01
Se	AA	9.20E-02	1.90E+00
Sm	ICPMS	8.73E-04	1.69E+00
Sn	ICPMS	7.20E+00	<MDL
Sr	ICPMS	1.04E-01	3.83E+02
Sulfate	IC	1.11E-02	4.17E+03
Th	ICPMS	7.81E-04	1.64E+00
Ti	ICPMS	1.42E-01	2.31E+02
Tl	ICPMS	1.21E-01	5.54E-01
U	ICPMS	8.59E-04	1.03E+00
V	ICPMS	2.68E-01	1.77E+01
Zn	ICPMS	2.67E+00	6.40E+01
June 30, 1999 (1.8 m depth)			
Ag	ICPMS	5.02E-03	9.14E-02
Al	ICPMS	4.50E+00	9.83E+03
As	AA	1.40E-01	3.21E+00
Ba	ICPMS	2.14E-01	1.44E+02
Be	ICPMS	1.33E-03	3.30E-01
Ca	ICPMS	4.40E+01	2.15E+05
Cd	ICPMS	2.32E-02	3.82E-01

Ce	ICPMS	2.87E-03	1.34E+01
Chloride	IC	2.10E-03	1.07E+04
Co	ICPMS	2.20E-02	3.03E+00
Cr	ICPMS	1.39E-01	9.66E+00
Cu	ICPMS	6.76E-01	1.46E+01
Dy	ICPMS	6.84E-04	8.14E-01
Er	ICPMS	5.22E-04	4.01E-01
Eu	ICPMS	6.66E-04	3.03E-01
Fe	ICPMS	1.19E+01	1.02E+04
Fluoride	IC	4.87E-04	<MDL
Gd	ICPMS	6.65E-04	1.38E+00
Hg	AA	2.50E-03	2.85E-02
K	ICPMS	3.92E+01	<MDL
La	ICPMS	1.65E-03	6.99E+00
Li	ICPMS	8.34E-03	8.58E+00
Mg	ICPMS	1.16E+01	1.49E+04
Mn	ICPMS	8.92E-02	3.78E+02
Mo	ICPMS	7.56E-02	4.43E-01
Na	ICPMS	1.06E+02	<MDL
Nd	ICPMS	1.45E-03	7.17E+00
Ni	ICPMS	1.06E-01	1.30E+01
Nitrate	IC	5.88E-04	<MDL
Pb	ICPMS	1.77E-01	1.38E+01
Phosphate	IC	2.35E-03	<MDL
Pr	ICPMS	8.65E-04	1.84E+00
Sb	ICPMS	2.19E-02	9.80E-02
Se	AA	9.20E-02	1.79E+00
Sm	ICPMS	8.73E-04	1.48E+00

Sn	ICPMS	7.20E+00	<MDL
Sr	ICPMS	1.04E-01	8.95E+02
Sulfate	IC	1.11E-02	2.45E+04
Th	ICPMS	7.81E-04	1.44E+00
Ti	ICPMS	1.42E-01	3.49E+02
Tl	ICPMS	1.21E-01	<MDL
U	ICPMS	8.59E-04	9.18E-01
V	ICPMS	2.68E-01	1.72E+01
Zn	ICPMS	2.67E+00	6.88E+01
June 30, 1999 (2.7 m depth)			
Ag	ICPMS	5.02E-03	1.21E-01
Al	ICPMS	4.50E+00	8.38E+03
As	AA	1.40E-01	2.36E+00
Ba	ICPMS	2.14E-01	1.22E+02
Be	ICPMS	1.33E-03	3.38E-01
Ca	ICPMS	4.40E+01	1.94E+05
Cd	ICPMS	2.32E-02	5.63E-01
Ce	ICPMS	2.87E-03	1.30E+01
Chloride	IC	2.10E-03	3.52E+03
Co	ICPMS	2.20E-02	3.00E+00
Cr	ICPMS	1.39E-01	1.01E+01
Cu	ICPMS	6.76E-01	1.60E+01
Dy	ICPMS	6.84E-04	8.07E-01
Er	ICPMS	5.22E-04	3.96E-01
Eu	ICPMS	6.66E-04	2.89E-01
Fe	ICPMS	1.19E+01	8.22E+03
Fluoride	IC	4.87E-04	<MDL
Gd	ICPMS	6.65E-04	1.32E+00

Hg	AA	2.50E-03	2.95E-02
K	ICPMS	3.92E+01	<MDL
La	ICPMS	1.65E-03	6.91E+00
Li	ICPMS	8.34E-03	8.06E+00
Mg	ICPMS	1.16E+01	1.27E+04
Mn	ICPMS	8.92E-02	2.62E+02
Mo	ICPMS	7.56E-02	5.83E-01
Na	ICPMS	1.06E+02	<MDL
Nd	ICPMS	1.45E-03	6.86E+00
Ni	ICPMS	1.06E-01	1.19E+01
Nitrate	IC	5.88E-04	<MDL
Pb	ICPMS	1.77E-01	2.66E+01
Phosphate	IC	2.35E-03	<MDL
Pr	ICPMS	8.65E-04	1.78E+00
Sb	ICPMS	2.19E-02	1.30E-01
Se	AA	9.20E-02	2.16E+00
Sm	ICPMS	8.73E-04	1.41E+00
Sn	ICPMS	7.20E+00	<MDL
Sr	ICPMS	1.04E-01	6.25E+02
Sulfate	IC	1.11E-02	6.81E+03
Th	ICPMS	7.81E-04	1.31E+00
Ti	ICPMS	1.42E-01	2.99E+02
Tl	ICPMS	1.21E-01	3.31E-01
U	ICPMS	8.59E-04	1.01E+00
V	ICPMS	2.68E-01	1.57E+01
Zn	ICPMS	2.67E+00	9.32E+01
June 30, 1999 (3.4 m depth)			
Ag	ICPMS	5.02E-03	1.22E-01

Al	ICPMS	4.50E+00	1.51E+04
As	AA	1.40E-01	3.71E+00
Ba	ICPMS	2.14E-01	1.57E+02
Be	ICPMS	1.33E-03	5.73E-01
Ca	ICPMS	4.40E+01	1.74E+05
Cd	ICPMS	2.32E-02	4.46E-01
Ce	ICPMS	2.87E-03	2.06E+01
Chloride	IC	2.10E-03	3.28E+03
Co	ICPMS	2.20E-02	4.58E+00
Cr	ICPMS	1.39E-01	1.45E+01
Cu	ICPMS	6.76E-01	1.42E+01
Dy	ICPMS	6.84E-04	1.15E+00
Er	ICPMS	5.22E-04	5.67E-01
Eu	ICPMS	6.66E-04	4.24E-01
Fe	ICPMS	1.19E+01	1.57E+04
Fluoride	IC	4.87E-04	<MDL
Gd	ICPMS	6.65E-04	1.96E+00
Hg	AA	2.50E-03	2.71E-02
K	ICPMS	3.92E+01	<MDL
La	ICPMS	1.65E-03	1.06E+01
Li	ICPMS	8.34E-03	1.32E+01
Mg	ICPMS	1.16E+01	1.95E+04
Mn	ICPMS	8.92E-02	4.81E+02
Mo	ICPMS	7.56E-02	5.04E-01
Na	ICPMS	1.06E+02	<MDL
Nd	ICPMS	1.45E-03	1.05E+01
Ni	ICPMS	1.06E-01	1.60E+01
Nitrate	IC	5.88E-04	2.70E+00

Pb	ICPMS	1.77E-01	1.15E+01
Phosphate	IC	2.35E-03	<MDL
Pr	ICPMS	8.65E-04	2.76E+00
Sb	ICPMS	2.19E-02	1.41E-01
Se	AA	9.20E-02	2.87E+00
Sm	ICPMS	8.73E-04	2.09E+00
Sn	ICPMS	7.20E+00	<MDL
Sr	ICPMS	1.04E-01	7.65E+02
Sulfate	IC	1.11E-02	5.88E+03
Th	ICPMS	7.81E-04	2.04E+00
Ti	ICPMS	1.42E-01	3.95E+02
Tl	ICPMS	1.21E-01	5.89E-01
U	ICPMS	8.59E-04	1.08E+00
V	ICPMS	2.68E-01	2.33E+01
Zn	ICPMS	2.67E+00	8.20E+01

^aMDL = Method Detection Limit

^bICPMS = Inductively-Coupled Mass Spectrometry

^cNA = Sample was not analyzed for target analyte

^dICPES = Inductively-Coupled Plasma Emission Spectroscopy

^eAA = Atomic Absorption Spectroscopy

^fIC = Ion Chromatography