

**Table 00-15. Selected Non-Radiological Constituents
in Lake Carlsbad Sediment Samples Collected during 2000.**

See CEMRC 2000 Report "Radiological and non-radiological constituents in surface water and sediments at selected reservoirs" for descriptions of locations and methods of data collection.

		Collection Date and Sampling Depth			
		May 24, 2000 (3.1 m depth)		May 24, 2000 (3.4 m depth)	
Analyte	Method	^a MDL (mg kg ⁻¹)	Result (mg kg ⁻¹)	MDL (mg kg ⁻¹)	Result (mg kg ⁻¹)
Ag	^b ICPMS	1.02E-02	8.10E-02	1.02E-02	1.02E-01
Al	ICPMS	8.45E+01	1.75E+04	8.45E+01	1.94E+04
As	^c GFAA	7.70E-01	3.73E+00	7.70E-01	4.20E+00
Ba	ICPMS	5.30E-01	1.38E+02	5.30E-01	1.70E+02
Be	ICPMS	1.48E-02	5.14E-01	1.48E-02	5.71E-01
Ca	ICPMS	3.85E+03	1.49E+05	3.85E+03	1.65E+05
Cd	ICPMS	1.02E-02	4.03E-01	1.02E-02	4.58E-01
Chloride	^d IC	2.20E-01	7.25E+02	2.20E-01	1.29E+03
Ce	ICPMS	3.15E-01	2.33E+01	3.15E-01	2.59E+01
Co	ICPMS	1.57E-02	4.98E+00	1.57E-02	5.04E+00
Cr	ICPMS	1.19E+00	1.75E+01	1.19E+00	2.23E+01
Cu	ICPMS	3.78E-01	1.40E+01	3.78E-01	1.64E+01
Dy	ICPMS	9.60E-03	1.89E+00	9.60E-03	1.91E+00
Er	ICPMS	1.07E-02	9.74E-01	1.07E-02	9.65E-01
Eu	ICPMS	1.29E-02	7.45E-01	1.29E-02	7.63E-01
Fe	ICPMS	7.03E+01	1.51E+04	7.03E+01	1.72E+04
Fluoride	IC	1.60E-01	^e NA	1.60E-01	NA
Gd	ICPMS	1.07E-02	3.96E+00	1.07E-02	3.87E+00
Hg	ICPMS	5.30E-03	5.15E-02	5.30E-03	6.00E-02
K	ICPMS	8.90E+01	4.26E+03	8.90E+01	4.68E+03
La	ICPMS	2.23E-01	1.16E+01	2.23E-01	1.26E+01
Li	ICPMS	3.33E-01	1.91E+01	3.33E-01	2.28E+01
Mg	ICPMS	3.80E+01	1.41E+04	3.80E+01	1.77E+04
Mn	ICPMS	9.30E-01	3.69E+02	9.30E-01	4.51E+02
Mo	ICPMS	1.20E-02	6.00E-01	1.20E-02	5.44E-01
Na	ICPMS	5.75E+01	1.10E+03	5.75E+01	1.76E+03
Nd	ICPMS	9.50E-03	1.42E+01	9.50E-03	1.41E+01
Ni	ICPMS	7.90E-01	2.73E+01	7.90E-01	3.33E+01
Nitrate	IC	5.90E-01	2.36E+01	5.90E-01	<MDL

Sulfate	IC	1.40E+00	3.95E+03	1.40E+00	5.38E+03
Th	ICPMS	7.60E-03	4.70E+00	7.60E-03	4.67E+00
Ti	ICPMS	8.48E+00	4.04E+02	8.48E+00	3.65E+02
Tl	ICPMS	1.44E-02	1.11E+00	1.44E-02	1.34E+00
U	ICPMS	1.65E-01	1.41E+00	1.65E-01	1.89E+00
V	ICPMS	4.28E+00	2.16E+01	4.28E+00	2.27E+01
Zn	ICPMS	3.48E+00	7.74E+01	3.48E+00	1.04E+02
		Collection Date and Sampling Depth			
		May 24, 2000 (3.4 m depth)		May 24, 2000 (3.0 m depth)	
Analyte	Method	MDL (mg kg⁻¹)	Result (mg kg⁻¹)	MDL (mg kg⁻¹)	Result (mg kg⁻¹)
Ag	ICPMS	1.02E-02	5.83E-02	1.02E-02	1.16E-01
Al	ICPMS	8.45E+01	1.09E+04	8.45E+01	1.84E+04
As	GFAA	7.70E-01	2.67E+00	7.70E-01	4.51E+00
Ba	ICPMS	5.30E-01	1.26E+02	5.30E-01	1.77E+02
Be	ICPMS	1.48E-02	3.45E-01	1.48E-02	3.93E-01
Ca	ICPMS	3.85E+03	1.71E+05	3.85E+03	2.29E+05
Cd	ICPMS	1.02E-02	3.09E-01	1.02E-02	6.93E-01
Chloride	IC	2.20E-01	7.20E+02	2.20E-01	1.01E+03
Ce	ICPMS	3.15E-01	1.63E+01	3.15E-01	2.16E+01
Co	ICPMS	1.57E-02	5.01E+00	1.57E-02	6.43E+00
Cr	ICPMS	1.19E+00	1.69E+01	1.19E+00	2.39E+01
Cu	ICPMS	3.78E-01	1.25E+01	3.78E-01	2.28E+01
Dy	ICPMS	9.60E-03	1.14E+00	9.60E-03	1.63E+00
Er	ICPMS	1.07E-02	5.90E-01	1.07E-02	8.38E-01
Eu	ICPMS	1.29E-02	4.69E-01	1.29E-02	6.98E-01
Fe	ICPMS	7.03E+01	1.12E+04	7.03E+01	1.53E+04
Fluoride	IC	1.60E-01	NA	1.60E-01	NA
Gd	ICPMS	1.07E-02	2.54E+00	1.07E-02	3.56E+00
Hg	ICPMS	5.30E-03	3.28E-02	5.30E-03	5.11E-02
K	ICPMS	8.90E+01	2.47E+03	8.90E+01	4.26E+03
La	ICPMS	2.23E-01	8.70E+00	2.23E-01	1.33E+01
Li	ICPMS	3.33E-01	1.16E+01	3.33E-01	1.36E+01
Mg	ICPMS	3.80E+01	1.13E+04	3.80E+01	1.88E+04
Mn	ICPMS	9.30E-01	3.13E+02	9.30E-01	3.38E+02
Mo	ICPMS	1.20E-02	5.14E-01	1.20E-02	1.08E+00
Na	ICPMS	5.75E+01	1.07E+03	5.75E+01	1.61E+03
Nd	ICPMS	9.50E-03	8.63E+00	9.50E-03	1.23E+01
Ni	ICPMS	7.90E-01	2.82E+01	7.90E-01	3.86E+01

Sn	ICPMS	8.89E-01	1.86E+00	8.89E-01	3.75E+00
Sr	ICPMS	1.29E+00	6.26E+02	1.29E+00	9.00E+02
Sulfate	IC	1.40E+00	4.29E+03	1.40E+00	4.73E+03
Th	ICPMS	7.60E-03	2.79E+00	7.60E-03	4.36E+00
Ti	ICPMS	8.48E+00	2.27E+02	8.48E+00	4.20E+02
Tl	ICPMS	1.44E-02	7.37E-01	1.44E-02	9.27E-01
U	ICPMS	1.65E-01	1.26E+00	1.65E-01	1.88E+00
V	ICPMS	4.28E+00	2.42E+01	4.28E+00	3.23E+01
Zn	ICPMS	3.48E+00	6.65E+01	3.48E+00	1.28E+02

^aMDL = Method Detection Limit

^bICPMS = Inductively-Coupled Mass Spectrometry

^cGFAA= Graphite Furnace Atomic Absorption Spectroscopy

^dIC = Ion Chromatography

^eNA = Sample was not analyzed for target analyte