

**INVENTORY OF TRACE ELEMENTS IN WATER
MATRIX REFERENCE MATERIALS**

	TM-9.2 lot 0317	TM-15.3 lot 0317	TM-23.5 lot 0317	TM-24.4 lot 0316	TM-25.5 lot 0316	TM-27.4 lot 0317	TM-35 lot 0317
	Value in µg/L	Value in µg/L	Value in µg/L	Value in µg/L	Value in µg/L	Value in µg/L	Value in µg/L
Aluminum	36.1 ± 3.3	90.1 ± 8.8	95.7 ± 10.5	32.9 ± 4.5	26.0 ± 3.3	89.8 ± 9.1	48.6 ± 4.8
Antimony	4.36 ± 0.47	16.7 ± 1.5	3.40 ± 0.25		23.2 ± 3.2	1.60 ± 0.18	1.54 ± 0.17
Arsenic	19.9 ± 1.6	16.1 ± 1.3	8.00 ± 0.77	5.30 ± 0.53	28.0 ± 2.0	2.21 ± 0.23	6.80 ± 0.76
Barium	56.6 ± 3.0	13.8 ± 1.0	14.0 ± 1.0	15.0 ± 1.0	27.1 ± 1.7	14.0 ± 1.0	15.1 ± 1.1
Beryllium	5.97 ± 0.58	15.8 ± 1.1	2.12 ± 0.21	2.06 ± 0.24	26.0 ± 2.3	1.20 ± 0.14	2.52 ± 0.35
Bismuth	1.54 ± 0.45	11.6 ± 2.3	2.99 ± 0.70	2.20 ± 0.53	21.2 ± 6.4		3.13 ± 0.92
Boron	29.0 ± 3.4	26.0 ± 3.9	17.2 ± 3.3	15.8 ± 3.2	30.3 ± 4.1	15.5 ± 2.9	15.1 ± 3.3
Cadmium	3.83 ± 0.28	13.0 ± 0.7	3.00 ± 0.26	3.86 ± 0.34	24.0 ± 1.5	1.07 ± 0.10	8.16 ± 0.69
Chromium	4.00 ± 0.36	16.8 ± 1.0	7.10 ± 0.51	5.00 ± 0.59	24.0 ± 1.3	1.80 ± 0.23	6.80 ± 0.67
Cobalt	2.00 ± 0.22	15.4 ± 1.0	7.39 ± 0.54	6.27 ± 0.57	27.8 ± 1.6	2.10 ± 0.16	12.7 ± 1.1
Copper	33.7 ± 2.5	17.2 ± 1.5	7.61 ± 0.67	6.31 ± 0.60	27.3 ± 2.0	6.15 ± 0.67	11.3 ± 1.1
Gallium	2.87 ± 0.19						
Iron	113 ± 13	26 ± 3	16.0 ± 2.2	16.0 ± 2.3	30.2 ± 3.2	11.0 ± 1.3	17.0 ± 3.3
Lead	8.40 ± 0.65	11.6 ± 0.8	2.92 ± 0.28	5.60 ± 0.52	27.0 ± 2.5	2.81 ± 0.22	14.6 ± 1.3
Lithium	4.20 ± 0.47	15.3 ± 1.7	9.95 ± 0.90	4.95 ± 0.42	25.2 ± 1.9	3.70 ± 0.40	3.70 ± 0.47
Manganese	9.85 ± 0.59	18.3 ± 1.2	8.44 ± 0.54	8.24 ± 0.73	25.4 ± 1.5	2.30 ± 0.27	14.0 ± 1.1
Molybdenum	12.5 ± 1.4	14.7 ± 1.3	4.11 ± 0.30	6.30 ± 0.56	28.5 ± 2.2	2.33 ± 0.35	6.74 ± 0.70
Nickel	19.0 ± 1.4	17.7 ± 1.5	5.00 ± 0.52	5.03 ± 0.53	15.4 ± 1.2	2.44 ± 0.34	9.49 ± 0.87
Rubidium	4.40 ± 0.30			4.23 ± 0.33	0.477 ± 0.053		0.615 ± 0.073
Selenium	15.5 ± 2.1	16.1 ± 2.2	5.00 ± 0.91	3.56 ± 0.58	29.3 ± 3.5	1.81 ± 0.37	4.80 ± 0.76
Silver	3.68 ± 0.39			8.92	21.5 ± 1.8		3.70 ± 0.44
Strontium	111 ± 6	114 ± 7	114 ± 8	113 ± 8	72.1 ± 5.0	114 ± 7	140 ± 9
Thallium	2.00 ± 0.15	18.2 ± 1.8	4.06 ± 0.33	4.20 ± 0.34	29.9 ± 2.9	1.49 ± 0.16	5.80 ± 0.51
Tin	2.87 ± 0.34	15.1 ± 1.4	2.81 ± 0.32	3.72 ± 0.39	23.8 ± 2.7	2.36 ± 0.22	3.34 ± 0.38
Titanium	8.00 ± 0.85	14.9 ± 1.1	3.30 ± 0.36	7.27 ± 0.61	24.0 ± 1.7	1.93 ± 0.33	4.80 ± 0.66
Tungsten							
Uranium	1.90 ± 0.14	15.5 ± 1.2	5.00 ± 0.42	4.24 ± 0.34	26.5 ± 2.2	2.00 ± 0.16	5.70 ± 0.47
Vanadium	3.11 ± 0.38	14.2 ± 0.9	0.326 ± 0.103	7.00 ± 0.58	26.2 ± 1.7	2.29 ± 0.24	10.2 ± 0.9
Zinc	53.0 ± 4.2	35.1 ± 3.7	3.65 ± 0.98		48.6 ± 4.7	16.6 ± 1.9	28.6 ± 3.2