

INVENTORY OF REFERENCE SEDIMENTS FOR TRACE ELEMENTS

Measurand	SUD-1 Lake Ramsey Sediment	TH-1 Toronto Harbour Sediment	TH-2 Toronto Harbour Sediment	WQB-3 Lake Ontario Sediment	WQB-4 Lake Ontario Sediment	WQB-5 Lake Ontario Sediment
	Lot 1024	Lot 0525	Lot 1024	Lot 0525	Lot 0525	Lot 1024
	Value in µg/g	Value in µg/g	Value in µg/g	Value in µg/g	Value in µg/g	Value in µg/g
Aluminum %	1.54 ± 0.32	1.80 ± 0.53	1.74 ± 0.56		1.46 ± 0.40	2.02 ± 0.72
Antimony	0.540 ± 0.328	1.30 ± 0.74	1.37 ± 0.81	1.40 ± 0.64		1.07 ± 0.71
Arsenic		8.03 ± 1.62	7.89 ± 1.63	16.4 ± 3.3	16.1 ± 2.8	
Barium	118 ± 19	146 ± 22	157 ± 26	126 ± 18	125 ± 20	179 ± 29
Beryllium	0.519 ± 0.130	0.860 ± 0.225	0.98 ± 0.266		0.865 ± 0.204	
Bismuth						
Boron						
Cadmium	1.64 ± 0.25		5.38 ± 0.77	3.72 ± 0.47		2.32 ± 0.30
Calcium %	0.466 ± 0.120	7.20 ± 1.39	6.48 ± 1.30	4.22 ± 0.73	4.21 ± 0.65	2.29 ± 0.41
Chromium	55.0 ± 9.1	97.7 ± 13.7	97.4 ± 18.9		80.2 ± 10.2	68.5 ± 10.8
Cobalt	38.7 ± 6.5	11.7 ± 1.9	11.8 ± 2.2			15.4 ± 2.0
Copper	549 ± 60	98.4 ± 13.1	117 ± 17		77.0 ± 9.8	77.8 ± 11.0
Gallium						
Iron %	2.65 ± 0.50	2.92 ± 0.58	2.93 ± 0.53	5.07 ± 0.91		3.74 ± 0.67
Lead	48.1 ± 6.6	243 ± 29	185 ± 28	233 ± 30	231 ± 28	103 ± 13
Lithium	15.0 ± 2.0					
Magnesium %	0.729 ± 0.130	1.23 ± 0.25	1.14 ± 0.25	1.20 ± 0.21		1.11 ± 0.23
Manganese	493 ± 67		496 ± 79			1410 ± 190
Mercury	0.118 ± 0.042	0.456 ± 0.079	0.607 ± 0.134		2.83 ± 0.48	2.82 ± 0.52
Molybdenum	0.619 ± 0.186	0.975 ± 0.257	0.686 ± 0.210		1.66 ± 0.44	
Nickel	852 ± 148	38.7 ± 6.6	38.4 ± 6.4		48.8 ± 7.4	61.9 ± 9.6
Potassium %						
Selenium	2.72 ± 0.63	0.813 ± 0.397		1.40 ± 0.40	1.44 ± 0.46	
Silicon %						
Silver		4.86 ± 0.87		1.55 ± 0.20		1.20 ± 0.18
Sodium	324 ± 96		307 ± 101		220 ± 68	258 ± 80
Strontium			118 ± 18	68.0 ± 10.8	68.4 ± 9.6	44.6 ± 8.5
Thallium	0.231 ± 0.068	0.294 ± 0.080		0.699 ± 0.174		0.514 ± 0.160
Tin		12.8 ± 2.9		19.5 ± 4.3		
Titanium						
Tungsten						
Uranium	1.19 ± 0.28					
Vanadium	36.8 ± 7.7		37.9 ± 12.6		36.0 ± 10.8	40.6 ± 13.2
Zinc		1500 ± 202				1760 ± 220

All values are in µg/g unless indicated as %.