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INVENTORY OF REFERENCE SEDIMENTS FOR TRACE ELEMENTS MATRIX REFERENCE MATERIALS

Measurand	HR-1	SUD-1	TH-2	WQB-3	WQB-4	WQB-5
	Humber River Sediment	Lake Ramsey Sediment	Toronto Harbour Sediment	Lake Ontario Sediment	Lake Ontario Sediment	Lake Ontario Sediment
	Lot 0522	Lot 1122	Lot 1122	Lot 0522	Lot 0522	Lot 1122
	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 %	1.35 ± 0.41	1.54 ± 0.31	1.79 ± 0.56	1.46 ± 0.44		
Antimony	1.13 ± 0.80	0.543 ± 0.357	1.28 ± 1.04			1.09 ± 0.90
Arsenic	5.54 ± 1.40		7.90 ± 1.85		15.9 ± 3.2	17.9 ± 3.8
Barium	119 ± 18	118 ± 19	159 ± 25			179 ± 30
Beryllium	0.621 ± 0.209	0.522 ± 0.137			0.843 ± 0.240	
Bismuth						
Boron						
Cadmium	3.65 ± 0.63	1.64 ± 0.26	5.39 ± 0.87		3.63 ± 0.60	2.31 ± 0.39
Calcium %	5.96 ± 1.06	0.466 ± 0.118	6.55 ± 1.23	4.21 ± 0.73	4.26 ± 0.70	2.31 ± 0.41
Chromium		55.1 ± 9.1	96.8 ± 17.2		78.9 ± 12.7	
Cobalt	9.29 ± 1.66	38.8 ± 6.4				
Copper	73.0 ± 13.4	549 ± 63	116 ± 19		75.5 ± 12.7	
Gallium						
Iron %	2.35 ± 0.55	2.65 ± 0.49	2.92 ± 0.55		4.92 ± 0.75	3.79 ± 0.78
Lead	133 ± 16	48.2 ± 6.8	186 ± 25	234 ± 30	232 ± 27	103 ± 14
Lithium						
Magnesium %	1.08 ± 0.23	0.731 ± 0.129	1.15 ± 0.23	1.20 ± 0.23	1.18 ± 0.17	1.12 ± 0.25
Manganese	404 ± 68		494 ± 77	1122 ± 174	1126 ± 141	1408 ± 198
Mercury	0.342 ± 0.092	0.118 ± 0.044	0.609 ± 0.134	2.78 ± 0.52		2.80 ± 0.57
Molybdenum	1.03 ± 0.38	0.625 ± 0.216	0.674 ± 0.273		1.62 ± 0.64	1.14 ± 0.39
Nickel	32.9 ± 5.4	853 ± 148	38.4 ± 6.7			61.8 ± 10.1
Potassium %						
Selenium		2.74 ± 0.64	0.909 ± 0.614	1.37 ± 0.31	1.43 ± 0.50	1.30 ± 0.69
Silicon %						
Silver				1.54 ± 0.22	1.50 ± 0.43	1.19 ± 0.23
Sodium	257 ± 97	324 ± 93	310 ± 97		216 ± 53	252 ± 86
Strontium	101 ± 19		119 ± 18		68.8 ± 11.3	44.4 ± 9.9
Thallium		0.230 ± 0.065	0.315 ± 0.111		0.718 ± 0.213	0.507 ± 0.162
Tin	6.98 ± 2.40		11.8 ± 3.1		19.6 ± 4.2	6.29 ± 1.99
Titanium						
Tungsten						
Uranium		1.19 ± 0.29	0.793 ± 0.177			0.938 ± 0.255
Vanadium	29.1 ± 9.8		38.1 ± 12.5		35.2 ± 11.5	40.6 ± 13.7
Zinc	1061 ± 194					

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