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INVENTORY OF REFERENCE SEDIMENTS FOR TRACE ELEMENTS MATRIX REFERENCE MATERIALS

Measurand	HR-1	SUD-1	TH-1	TH-2	WQB-3	WQB-4	WQB-5	
	Humber River Sediment	Lake Ramsey Sediment	Toronto Harbour Sediment	Toronto Harbour Sediment	Lake Ontario Sediment	Lake Ontario Sediment	Lake Ontario Sediment	
	Lot 1123		Lot 1122		Lot 1123		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	Value in µg/g	
Aluminum %	1.36 ± 0.42	1.54 ± 0.31	1.78 ± 0.52	1.79 ± 0.56	1.46 ± 0.42			
Antimony	1.11 ± 0.77	0.543 ± 0.357		1.28 ± 1.04	1.42 ± 0.68		1.09 ± 0.90	
Arsenic	5.56 ± 1.37		8.03 ± 1.67	7.90 ± 1.85	16.3 ± 3.3	16.0 ± 2.8	17.9 ± 3.8	
Barium	119 ± 18	118 ± 19	145 ± 22	159 ± 25	125 ± 18	125 ± 20	179 ± 30	
Beryllium		0.522 ± 0.137	0.854 ± 0.2371					
Bismuth								
Boron								
Cadmium	3.68 ± 0.64	1.64 ± 0.26		5.39 ± 0.87	3.69 ± 0.45	3.69 ± 0.46	2.31 ± 0.39	
Calcium %	5.97 ± 1.03	0.466 ± 0.118	7.14 ± 1.51	6.55 ± 1.23	4.19 ± 0.73	4.16 ± 0.62	2.31 ± 0.41	
Chromium		55.1 ± 9.1	97.3 ± 14.3	96.8 ± 17.2		79.8 ± 10.6		
Cobalt		38.8 ± 6.4	11.6 ± 1.9		12.7 ± 2.3			
Copper	73.2 ± 12.9	549 ± 63	97.9 ± 13.3	116 ± 19		76.5 ± 10.1		
Gallium								
Iron %	2.36 ± 0.51	2.65 ± 0.49		2.92 ± 0.55	5.02 ± 1		3.79 ± 0.78	
Lead	132 ± 17	48.2 ± 6.8	243 ± 32	186 ± 25	233 ± 33	230 ± 31	103 ± 14	
Lithium	19.9 ± 5.0							
Magnesium %	1.08 ± 0.21	0.731 ± 0.129	1.22 ± 0.24	1.15 ± 0.23	1.19 ± 0.20	1.17 ± 0.15	1.12 ± 0.25	
Manganese	407 ± 66		502 ± 63	494 ± 77	1127 ± 151	1129 ± 109	1408 ± 198	
Mercury	0.346 ± 0.094	0.118 ± 0.044	0.452 ± 0.080	0.609 ± 0.134	2.81 ± 0.55	2.82 ± 0.48	2.80 ± 0.57	
Molybdenum	1.04 ± 0.36	0.625 ± 0.216		0.674 ± 0.273		1.65 ± 0.47	1.14 ± 0.39	
Nickel	33.0 ± 5.6	853 ± 148	38.5 ± 6.7	38.4 ± 6.7		48.7 ± 6.9	61.8 ± 10.1	
Potassium %								
Selenium	0.737 ± 0.578	2.74 ± 0.64		0.909 ± 0.614	1.39 ± 0.37	1.44 ± 0.44	1.30 ± 0.69	
Silicon %								
Silver			4.825 ± 0.919			1.51 ± 0.30	1.19 ± 0.23	
Sodium		324 ± 93		310 ± 97			252 ± 86	
Strontium	101 ± 18		122 ± 18	119 ± 18	67.5 ± 11.4	68.0 ± 10.3	44.4 ± 9.9	
Thallium	0.217 ± 0.047	0.230 ± 0.065		0.315 ± 0.111			0.507 ± ###	
Tin	7.00 ± 2.24			11.8 ± 3.1	19.3 ± 4.4		6.29 ± 1.99	
Titanium								
Tungsten								
Uranium		1.19 ± 0.29		0.793 ± 0.177			0.938 ± ###	
Vanadium	29.7 ± 10.2			38.1 ± 12.5		35.6 ± 11.1	40.6 ± 13.7	
Zinc	1070 ± 190		1501 ± 206					

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

Values and pricing subject to changes.