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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	Lot 1123	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				

*denotes a measurand which was removed from the previous lot #

*denotes a new lot #, new RM or newly added measurand

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

Values and pricing subject to changes.