

RM Sales IQM
867 Lakeshore Road
Burlington, ON L7S 1A1
Canada
Tel 289-348-1991
ventescrm-crmsales@ec.gc.ca

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 1024	Lot 1123	Lot 1024	Lot 1123	Lot 1123	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	Value in µg/g
Aluminum %	1.36 ± 0.42	1.54 ± 0.32	1.78 ± 0.52	1.74 ± 0.56	1.46 ± 0.42		2.02 ± 0.72
Antimony	1.11 ± 0.77	0.540 ± 0.328		1.37 ± 0.81	1.42 ± 0.68		1.07 ± 0.71
Arsenic	5.56 ± 1.37		8.03 ± 1.67	7.89 ± 1.63	16.3 ± 3.3	16.0 ± 2.8	
Barium	119 ± 18	118 ± 19	145 ± 22	157 ± 26	125 ± 18	125 ± 20	179 ± 29
Beryllium		0.519 ± 0.130	0.854 ± 0.237	0.977 ± 0.266			
Bismuth							
Boron							
Cadmium	3.68 ± 0.64	1.64 ± 0.25		5.38 ± 0.77	3.69 ± 0.45	3.69 ± 0.46	2.32 ± 0.30
Calcium %	5.97 ± 1.03	0.466 ± 0.120	7.14 ± 1.51	6.48 ± 1.30	4.19 ± 0.73	4.16 ± 0.62	2.29 ± 0.41
Chromium		55.0 ± 9.1	97.3 ± 14.3	97.4 ± 18.9		79.8 ± 10.6	68.5 ± 10.8
Cobalt		38.7 ± 6.5	11.6 ± 1.9	11.8 ± 2.2	12.7 ± 2.3		15.4 ± 2.0
Copper	73.2 ± 12.9	549 ± 60	97.9 ± 13.3	117 ± 17		76.5 ± 10.1	77.8 ± 11.0
Gallium							
Iron %	2.36 ± 0.51	2.65 ± 0.50		2.93 ± 0.53	5.02 ± 0.96		3.74 ± 0.67
Lead	132 ± 17	48.1 ± 6.6	243 ± 32	185 ± 28	233 ± 33	230 ± 31	103 ± 13
Lithium	19.9 ± 5.0	15.0 ± 2.0					
Magnesium %	1.08 ± 0.21	0.729 ± 0.130	1.22 ± 0.24	1.14 ± 0.25	1.19 ± 0.20	1.17 ± 0.15	1.11 ± 0.23
Manganese	407 ± 66	493 ± 67	502 ± 63	496 ± 79	1127 ± 151	1129 ± 109	1410 ± 190
Mercury	0.346 ± 0.094	0.118 ± 0.042	0.452 ± 0.080	0.607 ± 0.134	2.81 ± 0.55	2.82 ± 0.48	2.82 ± 0.52
Molybdenum	1.04 ± 0.36	0.619 ± 0.186		0.686 ± 0.210		1.65 ± 0.47	
Nickel	33.0 ± 5.6	852 ± 148	38.5 ± 6.7	38.4 ± 6.4		48.7 ± 6.9	61.9 ± 9.6
Potassium %							
Selenium	0.737 ± 0.578	2.72 ± 0.63			1.39 ± 0.37	1.44 ± 0.44	
Silicon %							
Silver			4.82 ± 0.92			1.51 ± 0.30	1.20 ± 0.18
Sodium		324 ± 96		307 ± 101			258 ± 80
Strontium			122 ± 18	118 ± 18	67.5 ± 11.4	68.0 ± 10.3	44.6 ± 8.5
Thallium	0.217 ± 0.047	0.231 ± 0.068					0.514 ± 0.160
Tin	7.00 ± 2.24				19.3 ± 4.4		
Titanium							
Tungsten							
Uranium		1.19 ± 0.28					
Vanadium	29.7 ± 10.2	36.8 ± 7.7		37.9 ± 12.6		35.6 ± 11.1	40.6 ± 13.2
Zinc	1070 ± 190		1501 ± 206				1760 ± 220

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

Values and pricing subject to changes.