

Supplementary Table 1. Element concentrations as provided by Natural Resources Canada for reference material LKSD-4 and values obtained during the present study (mg kg^{-1} except for Fe and S where % dry wt. values are cited).

Element	Reference values	Values obtained in present study*	% Recovery (mean)
Ba	330	298.00 ± 19.00	90.3 ± 5.76
Co	11	10.79 ± 0.59	98.09 ± 5.36
Cr	33	29.10 ± 2.40	88.18 ± 7.27
Cu	31	32.53 ± 1.90	104.94 ± 6.13
Fe	2.8	2.81 ± 0.13	100.34 ± 4.64
La	26	23.20 ± 2.30	89.23 ± 8.85
Mn	500	587.60 ± 20.90	117.52 ± 4.18
Ni	31	36.90 ± 1.88	119.03 ± 6.06
Pb	91	99.41 ± 4.77	109.24 ± 5.24
S	0.99	0.89 ± 0.12	90.00 ± 10.10
Sc	7	6.30 ± 0.82	90.00 ± 11.71
Sr	110	112.50 ± 7.50	102.27 ± 6.82
Ti	2270	2056.00 ± 140.00	90.57 ± 6.17
U	31	29.28 ± 1.75	94.45 ± 5.65
V	49	51.23 ± 2.43	104.55 ± 4.96
Zn	194	193.50 ± 7.80	100.52 ± 4.02

* Mean and standard deviation (n=6)