

Table S3. Concentrations of the Cu, Zn, Sc, and Y (expressed in mg/kg) in BCR fractions and AR eluates of the tailings sample.

Cu						
BCR step	BCR1	BCR2	BCR3	BCR4	ΣBCR	Control <i>aqua regia</i>
	Exchangeable	Reducible	Oxidisable	Residual		
Site	mg/kg					
Tailings	2.89 ± 0.04	42.5 ± 1.0	247 ± 4	n.d.	292	n.d.
Dust	1.99 ± 0.31	n.d.	46.6 ± 0.6	n.d.	48.6	n.d.
MMART0-3	n.d.	n.d.	121 ± 1	n.d.	121	n.d.
MMART5-7	1.59 ± 0.01	n.d.	152 ± 11	n.d.	154	n.d.
MSTUP0-3	n.d.	n.d.	20.8 ± 0.2	n.d.	20.8	n.d.
Zn						
BCR step	BCR1	BCR2	BCR3	BCR4	ΣBCR	Control <i>aqua regia</i>
	Exchangeable	Reducible	Oxidisable	Residual		
Site	mg/kg					
Tailings	5.27 ± 4.74	217 ± 1	106 ± 1	225 ± 7	553	494
Dust	575 ± 94	868 ± 29	407 ± 1	513 ± 0	2363	2158
MMART0-3	15.3 ± 0.7	36.5 ± 0.4	154 ± 10	20.6 ± 10.5	226	217
MMART5-7	56.3 ± 0.4	89.9 ± 1.8	93.2 ± 16.3	19.7 ± 0.6	259	315
MSTUP0-3	0.811 ± 2.41	7.76 ± 0.13	15.4 ± 1.3	8.69 ± 11.60	32.7	39.2
Sc						
BCR step	BCR1	BCR2	BCR3	BCR4	ΣBCR	Control <i>aqua regia</i>
	Exchangeable	Reducible	Oxidisable	Residual		
Site	mg/kg					
Tailings	n.d.	n.d.	0.805 ± 0.010	4.97 ± 0.05	5.77	5.06
Dust	0.072±0.002	n.d.	1.80 ± 0.01	3.09 ± 0.06	4.96	4.84
MMART0-3	n.d.	0.012 ± 0.016	0.876 ± 0.002	1.39 ± 0.35	2.28	1.35
MMART5-7	n.d.	0.011 ± 0.015	0.492 ± 0.061	0.730 ± 0.011	1.23	1.39
MSTUP0-3	0.006 ± 0.009	0.013 ± 0.019	0.163 ± 0.008	0.505 ± 0.032	0.69	0.620
Y						
BCR step	BCR1	BCR2	BCR3	BCR4	ΣBCR	Control <i>aqua regia</i>
	Exchangeable	Reducible	Oxidisable	Residual		
Site	mg/kg					
Tailings	0.049 ± 0.001	0.537 ± 0.021	8.63 ± 0.15	5.17 ± 0.04	14.4	12.8
Dust	1.70 ± 0.09	4.03 ± 0.02	5.66 ± 0.15	4.40 ± 0.18	15.8	14.8
MMART0-3	n.d.	n.d.	5.39 ± 0.04	1.12 ± 0.30	6.51	6.00
MMART5-7	n.d.	0.036 ± 0.008	3.33 ± 0.30	0.811 ± 0.033	4.17	5.89
MSTUP0-3	n.d.	0.029 ± 0.003	2.27 ± 0.04	1.33 ± 0.09	3.63	3.86

\*n.d. – not detected