

Table S7. Concentrations of the Yb, Lu, and Σ REE (expressed in mg/kg) in BCR fractions and AR eluates of the tailings sample.

Yb						
BCR step	BCR1	BCR2	BCR3	BCR4	ΣBCR	Control <i>aqua regia</i>
	Exchangeable	Reducible	Oxidisable	Residual		
Site	mg/kg					
Tailings	n.d.	0.028 ± 0.001	0.610 ± 0.038	0.466 ± 0.017	1.10	0.968
Dust	0.170 ± 0.007	0.402 ± 0.008	0.698 ± 0.024	0.499 ± 0.021	1.77	1.72
MMART0-3	n.d.	n.d.	0.367 ± 0.025	0.080 ± 0.027	0.447	0.386
MMART5-7	n.d.	n.d.	0.213 ± 0.006	0.062 ± 0.001	0.275	0.382
MSTUP0-3	n.d.	n.d.	0.118 ± 0.004	0.046 ± 0.065	0.166	0.220
Lu						
BCR step	BCR1	BCR2	BCR3	BCR4	ΣBCR	Control <i>aqua regia</i>
	Exchangeable	Reducible	Oxidisable	Residual		
Site	mg/kg					
Tailings	n.d.	n.d.	0.086 ± 0.002	0.066 ± 0.003	0.152	0.148
Dust	0.010 ± 0.014	0.040 ± 0.001	0.077 ± 0.002	0.054 ± 0.004	0.182	0.180
MMART0-3	n.d.	n.d.	0.051 ± 0.002	n.d.	0.051	0.060
MMART5-7	n.d.	n.d.	0.033 ± 0.005	n.d.	0.033	0.051
MSTUP0-3	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
ΣREE						
BCR step	BCR1	BCR2	BCR3	BCR4	ΣBCR	Control <i>aqua regia</i>
	Exchangeable	Reducible	Oxidisable	Residual		
Site	mg/kg					
Tailings	0.080	2.55	45.5	59.4	107	91.3
Dust	7.44	22.7	31.8	34.0	95.9	88.3
MMART0-3	n.d.	0.012	31.7	13.4	45.1	36.7
MMART5-7	n.d.	0.177	18.8	9.23	28.3	36.9
MSTUP0-3	0.006	0.084	14.1	10.1	24,4	23.0

*n.d. – not detected