

Table S4. Concentrations of the La, Ce, Pr, and Nd (expressed in mg/kg) in BCR fractions and AR eluates of the tailings sample.

La						
BCR step	BCR1	BCR2	BCR3	BCR4	ΣBCR	Control <i>aqua regia</i>
	Exchangeable	Reducible	Oxidisable	Residual		
Site	mg/kg					
Tailings	n.d.	0.580 ± 0.026	8.51 ± 0.08	9.49 ± 0.20	18.6	15.4
Dust	1.45 ± 0.09	4.23 ± 0.02	4.93 ± 0.03	4.87 ± 0.14	15.5	13.1
MMART0-3	n.d.	n.d.	5.33 ± 0.01	2.45 ± 0.64	7.78	6.32
MMART5-7	n.d.	0.060 ± 0.010	3.17 ± 0.24	1.86 ± 0.02	5.09	6.53
MSTUP0-3	n.d.	0.029 ± 0.003	2.70 ± 0.01	1.72 ± 0.14	4.45	4.04
Ce						
BCR step	BCR1	BCR2	BCR3	BCR4	ΣBCR	Control <i>aqua regia</i>
	Exchangeable	Reducible	Oxidisable	Residual		
Site	mg/kg					
Tailings	n.d.	0.709 ± 0.040	11.4 ± 0.298	24.3 ± 0.4	36.4	30.7
Dust	1.23 ± 1.74	7.93 ± 0.01	8.85 ± 0.01	11.8 ± 0.5	29.9	27.7
MMART0-3	n.d.	n.d.	9.76 ± 0.02	4.46 ± 1.21	14.2	11.4
MMART5-7	n.d.	0.049 ± 0.010	5.71 ± 0.53	3.23 ± 0.05	8.99	11.6
MSTUP0-3	n.d.	0.013 ± 0.018	4.51 ± 0.03	3.24 ± 0.27	7.76	7.04
Pr						
BCR step	BCR1	BCR2	BCR3	BCR4	ΣBCR	Control <i>aqua regia</i>
	Exchangeable	Reducible	Oxidisable	Residual		
Site	mg/kg					
Tailings	n.d.	0.076 ± 0.005	2.00 ± 0.02	2.20 ± 0.05	4.28	3.53
Dust	0.329 ± 0.029	0.792 ± 0.019	1.18 ± 0.03	1.20 ± 0.06	3.49	3.20
MMART0-3	n.d.	n.d.	1.29 ± 0.00	0.582 ± 0.140	1.87	1.51
MMART5-7	n.d.	n.d.	0.771 ± 0.096	0.393 ± 0.007	1.16	1.52
MSTUP0-3	n.d.	n.d.	0.622 ± 0.006	0.517 ± 0.056	1.14	1.02
Nd						
BCR step	BCR1	BCR2	BCR3	BCR4	ΣBCR	Control <i>aqua regia</i>
	Exchangeable	Reducible	Oxidisable	Residual		
Site	mg/kg					
Tailings	0.028 ± 0.005	0.307 ± 0.051	7.86 ± 0.01	8.03 ± 0.02	16.2	13.6
Dust	1.45 ± 0.15	2.95 ± 0.01	4.70 ± 0.22	4.71 ± 0.40	13.8	12.8
MMART0-3	n.d.	n.d.	5.17 ± 0.04	2.21 ± 0.61	7.38	5.90
MMART5-7	n.d.	0.021 ± 0.001	3.05 ± 0.29	1.42 ± 0.03	4.49	5.74
MSTUP0-3	n.d.	n.d.	2.38 ± 0.03	1.76 ± 0.20	4.14	3.72

*n.d. – not detected