

Table S2. Concentrations of the Pb, Al, P, and Cr (expressed in mg/kg) in BCR fractions and AR eluates of the tailings sample.

Pb						
BCR step	BCR1	BCR2	BCR3	BCR4	ΣBCR	Control <i>aqua regia</i>
	Exchangeable	Reducible	Oxidisable	Residual		
Site	mg/kg					
Tailings	0.023 ± 0.040	93.9 ± 3.5	322 ± 0.1	258 ± 6	675	595
Dust	6.94 ± 0.21	27.6 ± 3.3	209 ± 4.2	296 ± 9	540	490
MMART0-3	0.560 ± 0.091	2.44 ± 0.99	182 ± 9.3	85.4 ± 9.1	271	238
MMART5-7	1.25 ± 0.01	8.12 ± 0.59	75.2 ± 33.4	76.6 ± 38.2	161	236
MSTUP0-3	n.d.	0.574 ± 0.013	16.0 ± 0.7	6.24 ± 1.97	22.8	22.8
Al						
BCR step	BCR1	BCR2	BCR3	BCR4	ΣBCR	Control <i>aqua regia</i>
	Exchangeable	Reducible	Oxidisable	Residual		
Site	mg/kg					
Tailings	1.11 ± 1.12	763 ± 29	6676 ± 50	17131 ± 269	24570	22965
Dust	548 ± 69	79.3 ± 3.2	9569 ± 91	12341 ± 88	22537	22017
MMART0-3	n.d.	2.30 ± 0.03	2908 ± 25	5575 ± 1474	8485	7400
MMART5-7	n.d.	6.71 ± 1.65	1519 ± 279	3425 ± 89	4952	7117
MSTUP0-3	n.d.	5.74 ± 0.68	338 ± 9	2733 ± 299	3076	4024
P						
BCR step	BCR1	BCR2	BCR3	BCR4	ΣBCR	Control <i>aqua regia</i>
	Exchangeable	Reducible	Oxidisable	Residual		
Site	mg/kg					
Tailings	5.97 ± 0.14	n.d.	215 ± 1	562. ± 5	364	703
Dust	47.1 ± 49.8	n.d.	153 ± 2	1020 ± 252	800	921
MMART0-3	3.56 ± 0.33	n.d.	n.d.	929 ± 191	512	770
MMART5-7	5.98 ± 0.20	n.d.	n.d.	789 ± 38	291	1057
MSTUP0-3	28.9 ± 2.4	n.d.	164 ± 1	92.3 ± 9.2		324
Cr						
BCR step	BCR1	BCR2	BCR3	BCR4	ΣBCR	Control <i>aqua regia</i>
	Exchangeable	Reducible	Oxidisable	Residual		
Site	mg/kg					
Tailings	0.438 ± 0.015	0.247 ± 0.049	22.7 ± 0.2	81.0 ± 0.0	104	95
Dust	0.553 ± 0.042	0.103 ± 0.010	25.2 ± 0.6	98.8 ± 0.7	125	121
MMART0-3	n.d.	0.085 ± 0.007	21.1 ± 0.1	32.7 ± 6.8	54	50
MMART5-7	n.d.	0.353 ± 0.003	10.1 ± 1.0	22.6 ± 0.6	33	50
MSTUP0-3	0.002 ± 0.002	n.d.	3.28 ± 0.02	8.25 ± 1.28	12.5	13.6

*n.d. – not detected