

Table S3. Final pH and solubility data of Toolse 2.

Experiment nr.	HCl (M)	Sample mass (g)	HCl dose, HCl/Ca+Mg (mole ratio)	pH final	P	F	Mg	Fe	REE
					Solubility (%)				
					Y1	Y2	Y3	Y4	Y5
RS9	0.518	21.065	2.72	1.72	99.25	93.42	90.96	25.79	18.3
RS2	0.518	28.006	2.04	2.0	96.54	82.70	80.60	36.96	4.06
RS7	0.518	35.100	1.63	2.05	89.39	44.55	71.05	13.44	2.09
RS5	0.983	40.093	2.71	1.56	96.23	92.14	91.94	31.93	6.56
RS1	0.983	53.005	2.05	1.45	97.86	41.12	74.16	21.93	3.18
RS4	0.983	67.052	1.62	1.7	93.25	15.02	72.12	13.60	1.84
RS8	1.485	60.008	2.73	1.4	98.00	90.10	95.31	30.77	7.03
RS3	1.485	80.042	2.05	1.44	95.34	29.69	78.85	20.34	2.65
RS6	1.485	100.04	1.64	1.4	89.18	12.82	68.72	15.16	1.76