

Table S2. Effect of initial pH of the solution on the effect of tungsten removal by hydrocalumite (solid-liquid ratio = 2 g/L).

number	pH _{initial}	Initial W concentration (mmol/L)	Equilibrium W concentration (mg/L)	pH _{final}	Adsorption capacity (mg/g)	W removal percent (%)
pH2	2.05	2	39.57	10.74	164.06	89.24
pH3	2.97	2	18.92	11.07	174.38	94.85
pH4	4.06	2	19.70	11.12	173.99	94.64
pH5	5.07	2	5.80	11.26	180.94	98.42
pH6	6.05	2	5.26	11.41	181.21	98.57
pH7	7.09	2	6.86	11.47	180.41	98.13
pH8	8.05	2	6.45	11.42	180.61	98.24
pH9	9.01	2	6.39	11.42	180.65	98.26
pH10	9.93	2	8.53	11.35	179.58	97.68
pH11	10.99	2	7.28	11.41	170.20	92.58
pH12	11.93	2	9.79	11.67	178.94	97.34