Supporting information

Tuning the Fe(II)/hydroxide ratio during synthesis of magnetite nanoparticles to maximize Cr(VI) uptake capacity

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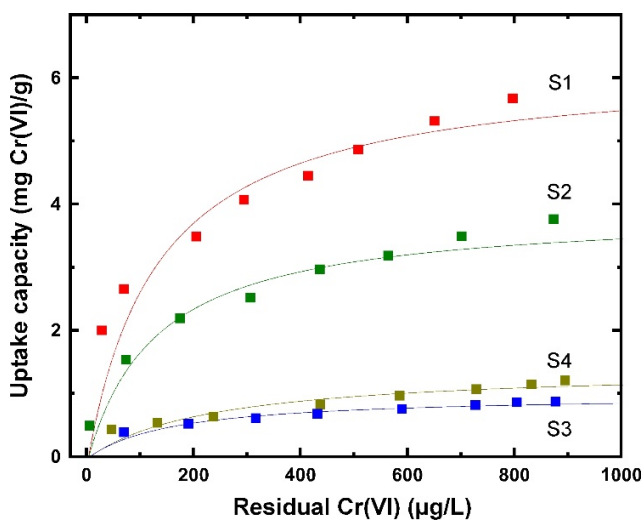
Figure S1. Langmuir fitting of Cr(VI) uptake isotherms for samples S1, S2, S3, and S4 in the residual concentration range 0-1000 µg/L at equilibrium pH 7.
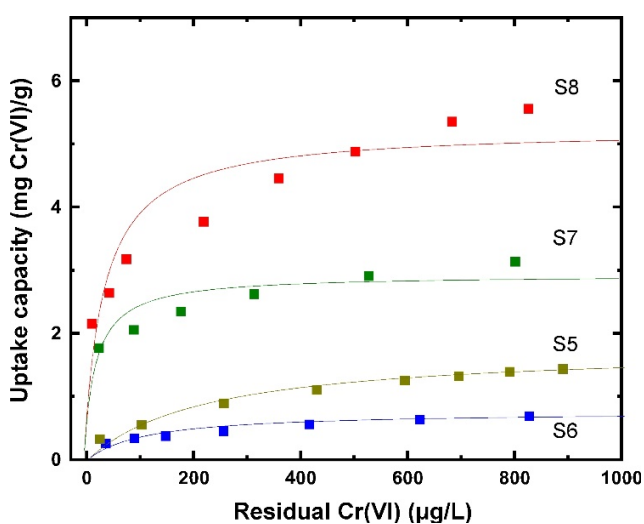

Figure S2. Langmuir fitting of Cr(VI) uptake isotherms for samples S5, S6, S7, and S8 in the residual concentration range 0-1000 µg/L at equilibrium pH 7.

Table S1. Langmuir fitting parameters of the uptake isotherms data for studied samples.

Sample	K_L	Q_{max}	R^2
	L/µg	µg/mg$_{ads}$	
S1	0.0075	6.229	0.910
S2	0.0076	3.916	0.967
S3	0.0061	0.999	0.919
S4	0.0042	1.427	0.888
S5	0.0277	5.210	0.787
S6	0.0476	2.900	0.760
S7	0.0086	0.736	0.909
S8	0.0044	1.753	0.974