Electronic Supplementary Information

Sorption behavior of heavy metals on poorly-crystalline manganese oxides: Role of water conditions and light

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**Fig. S1** Electrophoretic mobilities (EPMs) of $\delta$-MnO$_2$ as a function of electrolyte concentrations in the absence and presence (b) of HA (1 mg/L DOC) at an unadjusted pH of 6.2 ± 0.2. For a comparison, the EPM values in DI water and HA solution were $-1.52 \pm 0.03$ and $-1.43 \pm 0.02$ ($\times 10^{-4}$ cm$^2$/Vs), respectively.
Scheme S1 Concept of adsorption of HA onto (a) δ-MnO₂ and (b) TiO₂.
Fig. S2 Effect of pH on Cu(II) sorption by $\delta$-MnO$_2$. 