

Supplementary material

In situ ATR-FTIR spectroscopic study of the co-adsorption of *myo*-inositol hexakisphosphate and Zn(II) on goethite

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Fig. S1. The single-reflection diamond ATR unit (Pike Technologies, Inc.; Part No. is P025-2100).



Fig. S2. The multiple-reflection horizontal ATR cell unit with a ZnSe crystal (Pike Technologies, Inc.; Part Nos. are P022-1951 and P022-5210). P022-1951 is the HATR platform optics assembly, and P022-5210 is the ZnSe HATR flow-through cell.

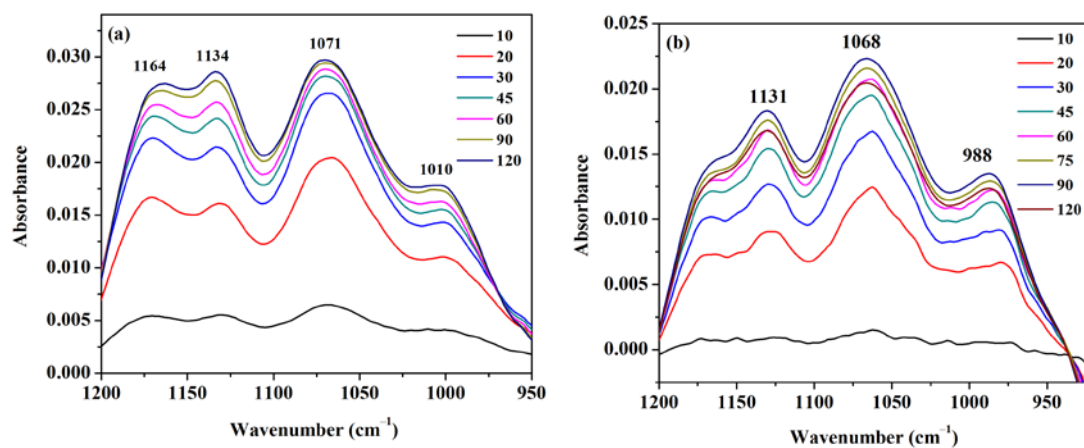


Fig. S3. ATR-FTIR spectra of 30 $\mu\text{mol L}^{-1}$ IHP adsorbed on goethite at pH 5 (a) and 6 (b) as a function of time (min).