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Phosphate effects on cadmium(II) sorption to ferrihydrite

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Highlights

- Phosphate enhances the sorption of cadmium(II) to ferrihydrite.
- Without phosphate present, cadmium(II) predominantly forms inner-sphere bidentate complexes with the ferrihydrite surface.
- The enhanced sorption in systems with phosphate can to a significant extent be explained by the formation of a ternary surface complex.

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