water

MDPI

Supporting Information

Reactivity of Nitrate with Zero-Valent Iron

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Figures

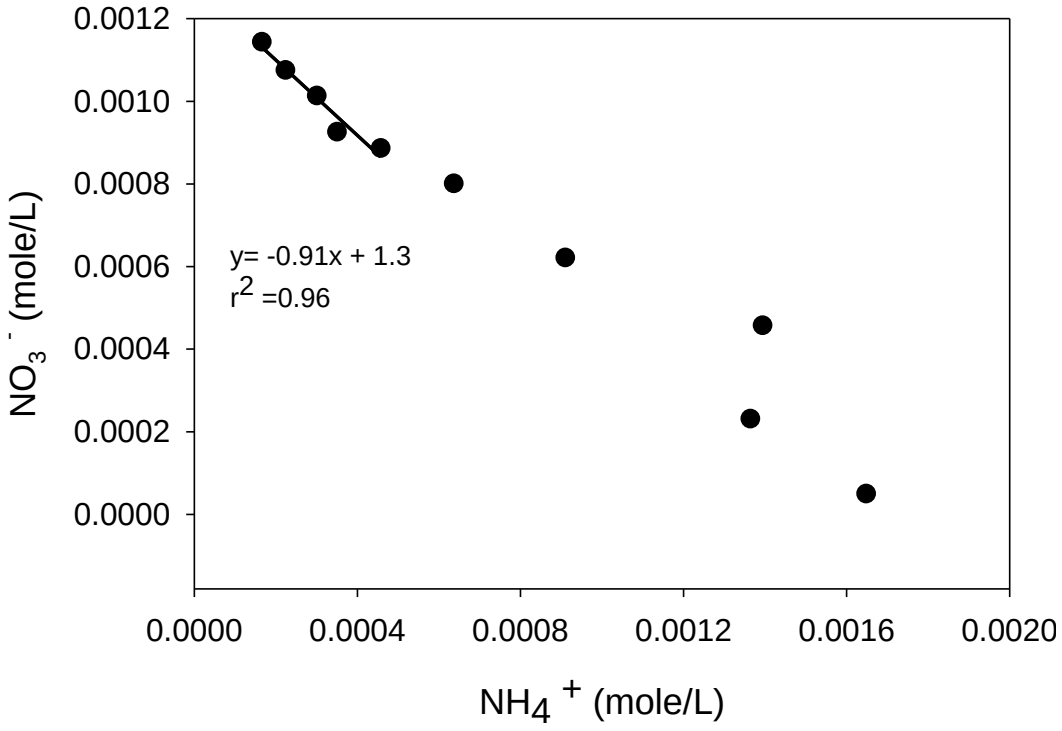


Figure S1. The stoichiometry of nitrate reduced to ammonium produced during the reaction between nitrate (0.001 M) and Fe^0 (5g/L) at pH 5.5 and 25 ℃ under anoxic conditions.

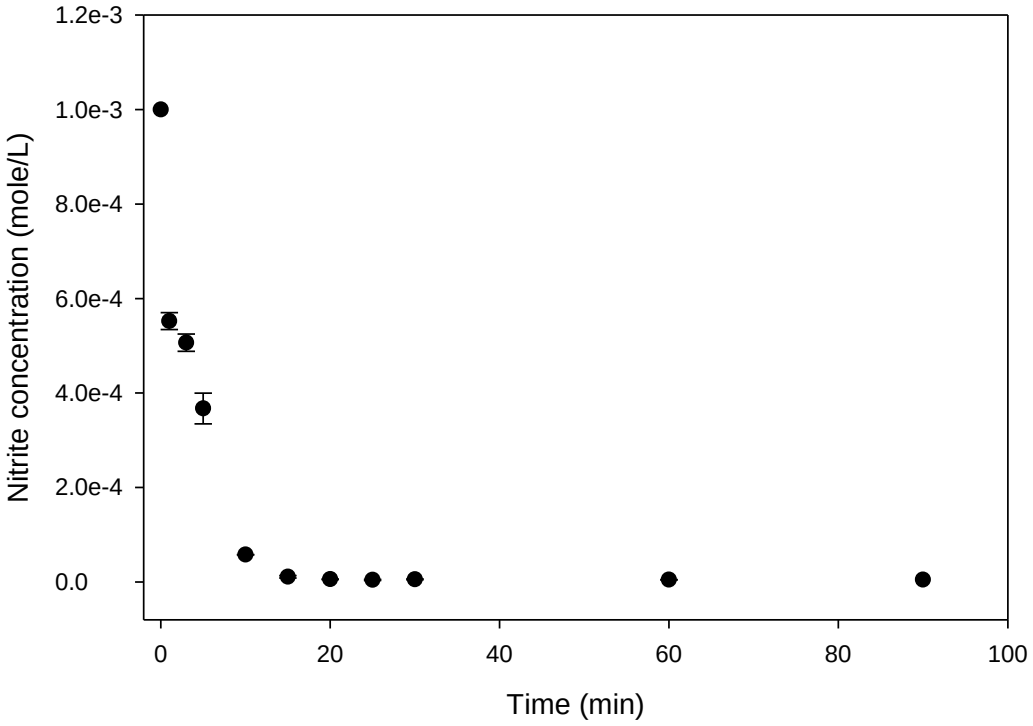
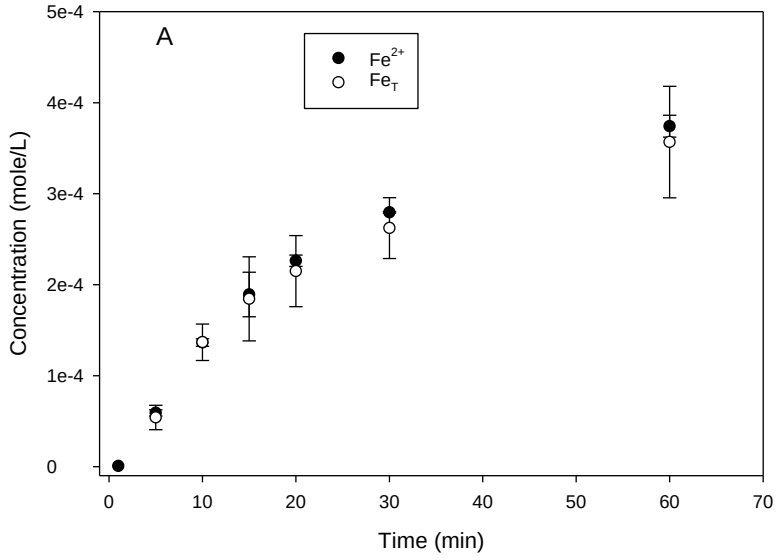
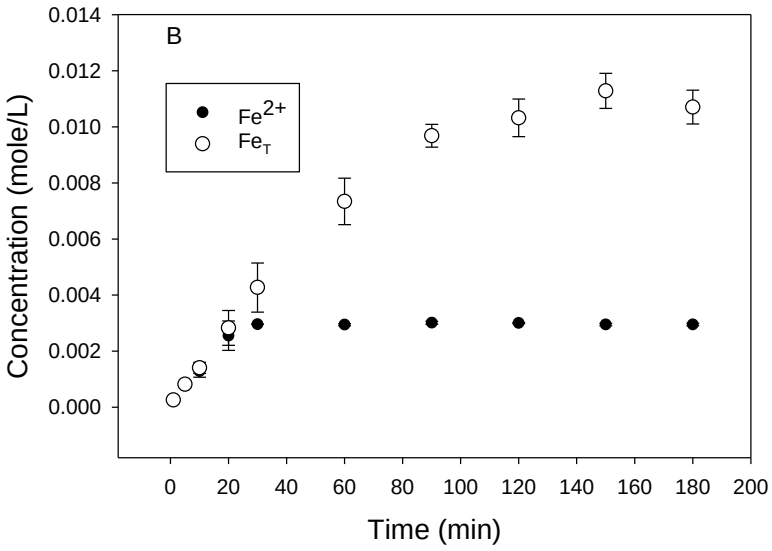


Figure S2. Reactivity of 0.001 M nitrite in the presence of 5 g/L Fe^0 at pH 5.5 and 25 ℃ under anoxic conditions.



(**A**)



(**B**)

Figure S3. (A) Production of dissolved Fe^{2+} and total Fe (Fe_T) in controls (no nitrate) of the anoxic treatments with 5 g/L Fe^0 and 25 °C. **(A)** Production of dissolved Fe^{2+} and total Fe (Fe_T) in controls (no nitrate) of the oxic treatments with 5 g/L Fe^0 and 25 °C.

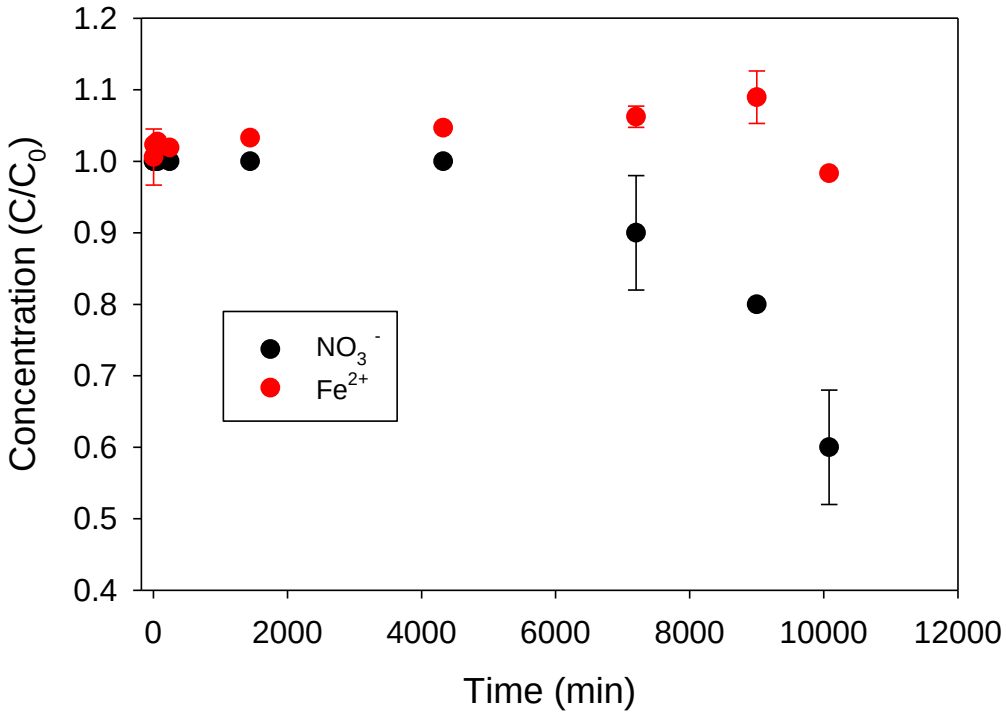


Figure S4. Reaction between dissolved Fe^{2+} and nitrate at pH 5.5 and 25 °C.