Electronic Supplementary Information (ESI):



Figure S1. TCE treatment in the presence of LC34-LSU by nano-Pd-Fe⁰ and nano-Zn-Fe⁰ (the error bars represent the standard deviation of triplicate reactors).



Figure S2. The initial TCE reaction rates plotted against the mass of OC of various aquifer materials for (a) nano-Pd-Fe⁰ activated persulfate and (b) nano-Zn-Fe⁰ activated persulfate (the error bars represent the standard deviation of triplicate reactors).



Figure S3. The initial TCE reaction rates plotted against the mass ratio (oxidant/solid) of various aquifer materials for (a) the nano-Pd-Fe⁰ and (b) nano-Zn-Fe⁰ activated persulfate systems.