Electronic Supplementary Material (ESI) for RSC Advances.

This journal is © The Royal Society of Chemistry 2024

Supporting information

Enhanced thermal desorption of chlorinated hydrocarbons by nanoscale zero-

valent iron: The effect of in-situ dichlorination

Yi Zhua, Xinlei Renb, Minghui Xiangb*

^aShanghai Chengtou Environmental Ecological Remediation Technology Co. LTD,

Shanghai 200444, PR China

^bInstitute of Environmental Pollution and Health, School of Environmental and

Chemical Engineering, Shanghai University, Shanghai 200444, PR China

*Corresponding author

Email addresses: xiangmh@shu.edu.cn

S1

Tel.: +86-21-66137751

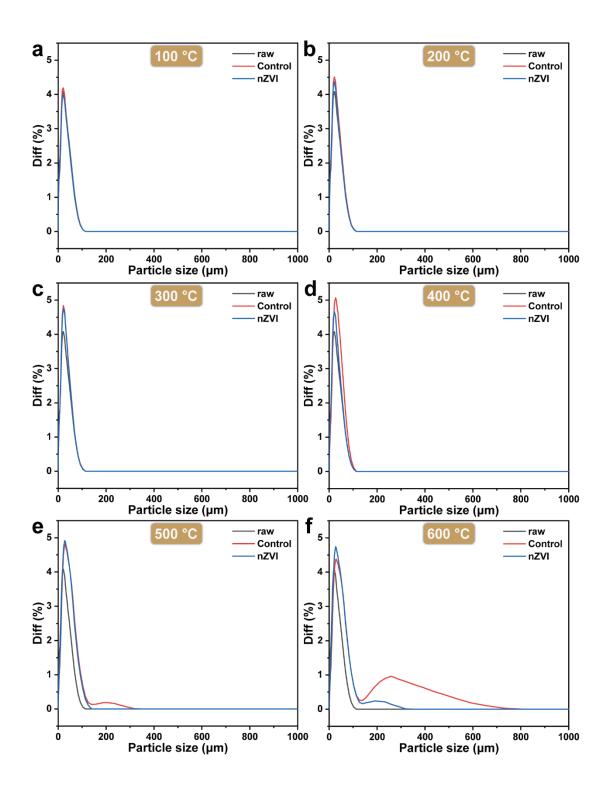


Fig. S1. The particle distribution of soil particles after thermal desorption at different temperatures.

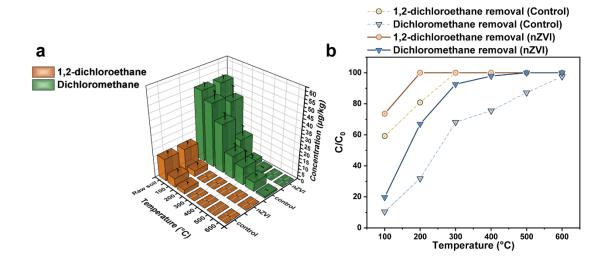


Fig. S2. (a) Concentration of 1,2-dichloroethane and dichloromethane in different soil samples and (b) removal efficiency of 1,2-dichloroethane and dichloromethane at different temperatures.

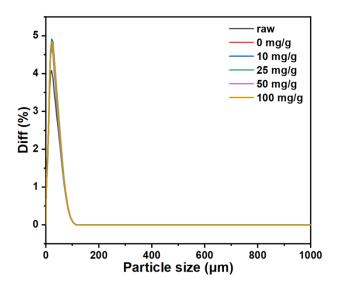


Fig. S3. The particle distribution of soil particles after thermal desorption with different nZVI dosages.

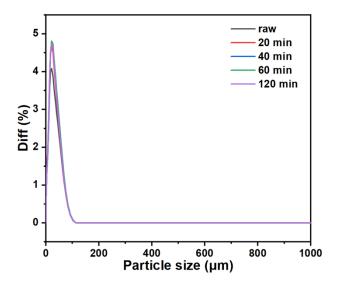


Fig. S4. The particle distribution of soil particles after thermal desorption for different times.