Accepted Manuscript

Title: Kinetics and Mechanisms of the Degradation of PPCPs by Zero-Valent Iron (Fe°) Activated Peroxydisulfate (PDS) System in Groundwater

Authors: Ailin Li, Zihao Wu, Tingting Wang, Shaodong Hou, Bangjie Huang, Xiujuan Kong, Xuchun Li, Yinghong Guan, Rongliang Qiu, Jingyun Fang

PII: S0304-3894(18)30448-5

DOI: https://doi.org/10.1016/j.jhazmat.2018.06.008

Reference: HAZMAT 19445

To appear in: Journal of Hazardous Materials

Received date: 31-12-2017 Revised date: 1-6-2018 Accepted date: 2-6-2018

Please cite this article as: Li A, Wu Z, Wang T, Hou S, Huang B, Kong X, Li X, Guan Y, Qiu R, Fang J, Kinetics and Mechanisms of the Degradation of PPCPs by Zero-Valent Iron (Fe°) Activated Peroxydisulfate (PDS) System in Groundwater, *Journal of Hazardous Materials* (2018), https://doi.org/10.1016/j.jhazmat.2018.06.008

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

Kinetics and Mechanisms of the Degradation of PPCPs by Zero-Valent Iron (Fe⁰) Activated

Peroxydisulfate (PDS) System in Groundwater

Ailin Li^a, Zihao Wu^a, Tingting Wang^a, Shaodong Hou^a, Bangjie Huang^a, Xiujuan Kong^a, Xuchun Li^b,

Yinghong Guan^c, Rongliang Qiu^a, Jingyun Fang^{a*}

^a Guangdong Provincial Key Laboratory of Environmental Pollution Control and Remediation

Technology, School of Environmental Science and Engineering, Sun Yat-Sen University, Guangzhou

510275, P. R. China

^b School of Environmental Science and Engineering, Zhejiang Gongshang University, Hangzhou,

310018, P. R. China

^c School of Water Conservancy and Civil Engineering, Northeast Agricultural University, Harbin

150030, P. R. China

*Corresponding author:

Phone: +86-18680581522; e-mail: fangjy3@mail.sysu.edu.cn.

Download English Version:

https://daneshyari.com/en/article/6968126

Download Persian Version:

https://daneshyari.com/article/6968126

<u>Daneshyari.com</u>