Accepted Manuscript

Title: An efficient catalytic degradation of trichloroethene in a percarbonate system catalyzed by ultra-fine heterogeneous zeolite supported zero valent iron-nickel bimetallic composite

Author: Muhammad Danish Xiaogang Gu Shuguang Lu Mark L. Brusseau Ayyaz Ahmad Muhammad Naqvi Usman Farooq Waqas Qamar Zaman Xiaori Fu Zhouwei Miao



PII:	S0926-860X(16)30540-3
DOI:	http://dx.doi.org/doi:10.1016/j.apcata.2016.11.001
Reference:	APCATA 16049
To appear in:	Applied Catalysis A: General
Received date:	8-9-2016
Revised date:	26-10-2016
Accepted date:	1-11-2016

Please cite this article as: Muhammad Danish, Xiaogang Gu, Shuguang Lu, Mark L.Brusseau, Ayyaz Ahmad, Muhammad Naqvi, Usman Farooq, Waqas Qamar Zaman, Xiaori Fu, Zhouwei Miao, An efficient catalytic degradation of trichloroethene in a percarbonate system catalyzed by ultra-fine heterogeneous zeolite supported zero valent iron-nickel bimetallic composite, Applied Catalysis A, General http://dx.doi.org/10.1016/j.apcata.2016.11.001

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

An efficient catalytic degradation of trichloroethene in a percarbonate system catalyzed by ultra-fine heterogeneous zeolite supported zero valent iron-nickel bimetallic composite

Muhammad Danish^a, Xiaogang Gu^a, Shuguang Lu^a*, Mark L. Brusseau^b, Ayyaz Ahmad^c, Muhammad Naqvi^d, Usman Farooq^a, Waqas Qamar Zaman^a, Xiaori Fu^a, Zhouwei Miao^a

^aState Environmental Protection Key Laboratory of Environmental Risk Assessment and Control on Chemical Process, East China University of Science and Technology, Shanghai 200237, China

^bSoil, Water and Environmental Science Department, School of Earth and Environmental Sciences, The University of Arizona, 429 Shantz Bldg., Tucson, AZ 85721, United States

^cDepartment of Chemical Engineering, Muhammad Nawaz Sharif University of Engineering and Technology, Multan, Pakistan ^dDepartment of Energy, Building and Environment, Mälardalen University, Västerås

72123, Sweden

*Corresponding author: Tel: +86 21 64250709, Fax: +86 21 64252737 E-mail:*lvshuguang@ecust.edu.cn* (S. Lu)

Graphical abstract

Download English Version:

https://daneshyari.com/en/article/4755847

Download Persian Version:

https://daneshyari.com/article/4755847

Daneshyari.com