Removal of Reactive Red 198 from Aqueous Solution by combined method multi-walled carbon nanotubes and Zero–Valent iron: Equilibrium, kinetics, and thermodynamic

Sudabeh Pourfadakari, Nader Yousefi, Amir Hossein Mahvi

PII: S1004-9541(16)30327-5
DOI: doi: 10.1016/j.cjche.2016.04.027
Reference: CJCHE 529

To appear in:

Received date: 19 November 2015
Revised date: 5 April 2016
Accepted date: 8 April 2016

Please cite this article as: Sudabeh Pourfadakari, Nader Yousefi, Amir Hossein Mahvi, Removal of Reactive Red 198 from Aqueous Solution by combined method multi-walled carbon nanotubes and Zero–Valent iron: Equilibrium, kinetics, and thermodynamic, (2016), doi: 10.1016/j.cjche.2016.04.027

Received 19 November 2015

Received in revised form 5 April 2016

Accepted 8 April 2016

Chemical Engineering Thermodynamics

Removal of Reactive Red 198 from Aqueous Solution by combined method multi-walled carbon nanotubes and Zero–Valent iron: Equilibrium, kinetics, and thermodynamic

Sudabeh Pourfadakari[1], Nader Yousefi[2], Amir Hossein Mahvi[2,3,4] *

1Department of Environmental Health Engineering, School of Health, Shiraz University of Medical Sciences, Shiraz, Iran

2Department of Environmental Health Engineering, School of Public Health, Tehran University of Medical Sciences, Tehran, Iran

3Center for Solid Waste Research, Institute for Environmental Research, Tehran University of Medical Sciences, Tehran, Iran

4National Institute of Health Research, Tehran University of Medical Sciences, Tehran, Iran

E-mail: ahmahvi@yahoo.com