Accepted Manuscript

Degradation of naphthenic acid model compounds in aqueous solution by UV activated persulfate: Influencing factors, kinetics and reaction mechanisms

Zhi Fang, Pamela Chelme-Ayala, Quan Shi, Chunming Xu, Mohamed Gamal El-Din

PII: S0045-6535(18)31393-6

DOI: 10.1016/j.chemosphere.2018.07.132

Reference: CHEM 21847

To appear in: ECSN

Received Date: 6 April 2018

Revised Date: 30 June 2018

Accepted Date: 22 July 2018

Please cite this article as: Fang, Z., Chelme-Ayala, P., Shi, Q., Xu, C., El-Din, M.G., Degradation of naphthenic acid model compounds in aqueous solution by UV activated persulfate: Influencing factors, kinetics and reaction mechanisms, *Chemosphere* (2018), doi: 10.1016/j.chemosphere.2018.07.132.

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.



魙

ACCEPT		ΝЛΑ	NITI	S ($\cap \mathbf{D}$	DТ
AUCEPT	\mathbf{D}	MA	INU	2		IP I

1	Degradation of Naphthenic Acid Model Compounds in Aqueous Solution by
2	UV Activated Persulfate: Influencing Factors, Kinetics and Reaction
3	Mechanisms
4	Zhi Fang ^{a,b} , Pamela Chelme-Ayala ^b , Quan Shi ^a , Chunming Xu ^a , Mohamed Gamal El-Din ^{b*}
5	a. State Key Laboratory of Heavy Oil Processing, China University of Petroleum, Beijing
6	102249, China
7	b. Department of Civil and Environmental Engineering, University of Alberta, Edmonton,
8	AB, Canada, T6G 1H9
9	
10	*Corresponding Author:
11	Mohamed Gamal El-Din, Ph.D., P.Eng.
12	Department of Civil and Environmental Engineering
13	University of Alberta
14	Edmonton, Alberta, Canada T6G 1H9
15	Tel: +1 780 492 5124
16	Email: mgamalel-din@ualberta.ca
17	
18	
19	

Download English Version:

https://daneshyari.com/en/article/8850372

Download Persian Version:

https://daneshyari.com/article/8850372

Daneshyari.com