Supporting Information

For

Selective removal of nitroaromatic compounds from wastewater in an integrated zero valent iron (ZVI) reduction and ZVI/H₂O₂ oxidation process

Jianguo Liu[1], Changjin Ou[1], Weiqing Han, Faheem, Jinyou Shen[*], Huiping Bi,

Xiuyun Sun, Jiansheng Li, Lianjun Wang[*]

Jiangsu Key Laboratory for Chemical Pollution Control and Resources Reuse, School

of Environmental and Biological Engineering, Nanjing University of Science and

Technology, Nanjing, 210094, China

Corresponding author: [*]Jinyou Shen, Tel/Fax: +86 25 84303965, E-mail address: shenjinyou@mail.njust.edu.cn; [*]Lianjun Wang, Tel/Fax: +86 25 84315941, E-mail address: wanglj@mail.njust.edu.cn.
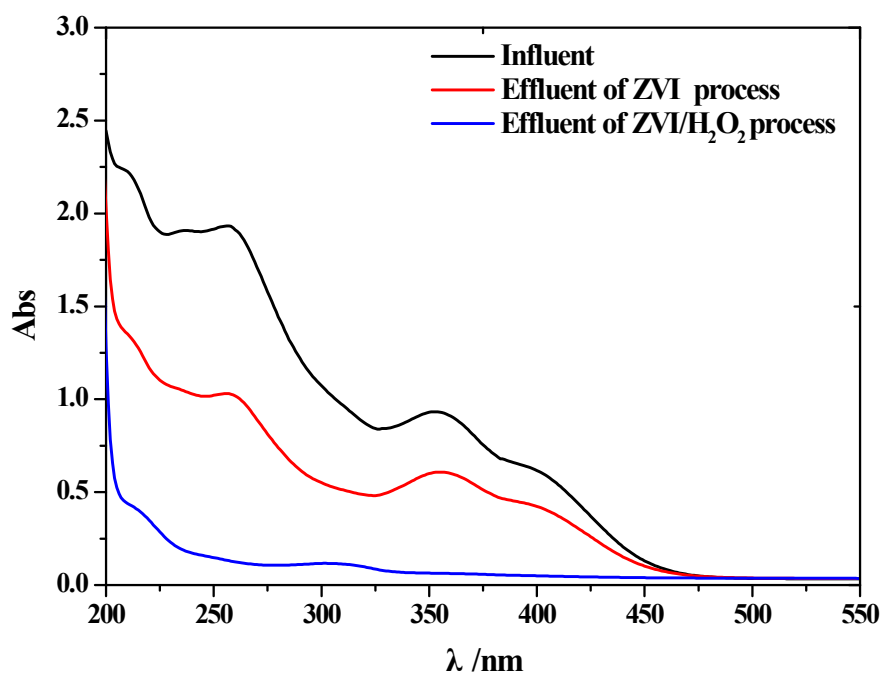

[1]These authors contributed to the paper equally.

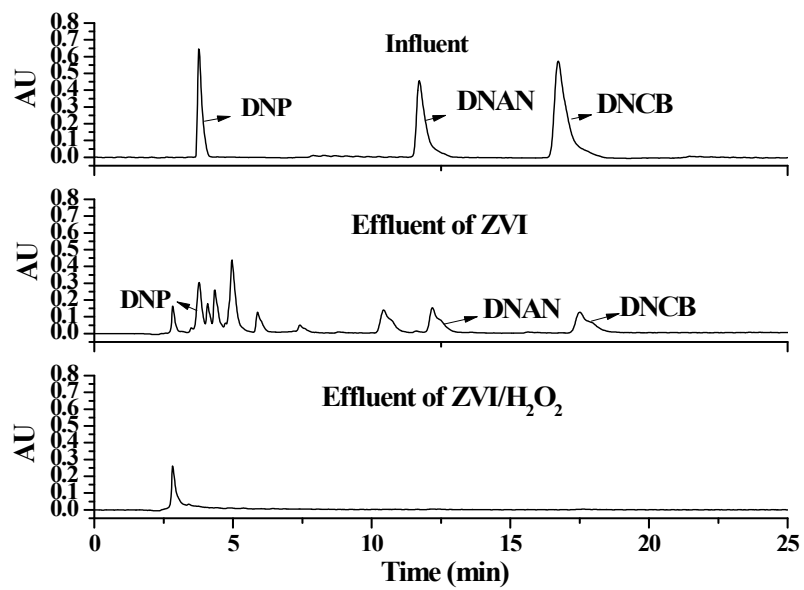**Table S1** Characteristics of DNAN producing wastewater

Parameter	Value
pH	7.2
COD (mg/L)	34000±985
TOC (mg/L)	7151±329
DNAN (mg/L)	123.1±3.8
DNCB (mg/L)	249.3±6.9
DNP (mg/L)	110.4±4.2
Salinity (%)	3.3
$EC_{50,\ 48\ h\ (v/v)}$ (%)	0.67
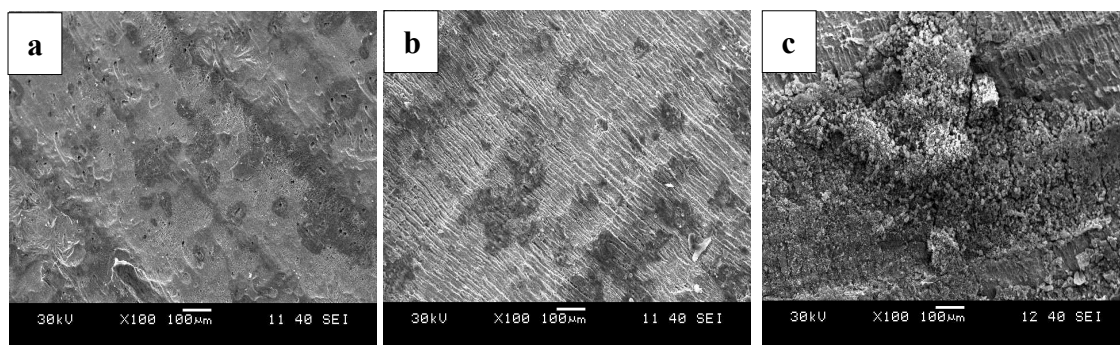
Fig.S1 SEM images of fresh ZVI (a), ZVI shavings after reduction (b) and ZVI

shavings after oxidation (c)

Fig.S2 Evolution of UV–vis spectra before and after treatment

Fig.S3 Evolution of HPLC spectra before and after treatment