

Electronic Supplementary Information

Simple dilution for direct determination of trace nickel in crude oil with miniaturized electrothermal atomic absorption spectrometer

Kai Li,^a Xi Wu,^a Zhiming Chen,^b Jin Luo,^c Xiandeng Hou,^{a, d*} and Xiaoming Jiang^{a*}

^a Analytical & Testing Center, Sichuan University, Chengdu, Sichuan 610064, China

^b Changqing Oilfield Branch Company Oil Production Plant NO.11, PetroChina
Company Limited, Qingyang, Gansu 745000, China

^c Analytical & Service Center of Sichuan Province, Chengdu, Sichuan 610023, China

^d Key Laboratory of Green Chemistry & Technology of MOE, College of Chemistry,
Sichuan University, Chengdu, Sichuan 610064, China

*Corresponding authors: houxd@scu.edu.cn or jiangxm@scu.edu.cn

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1. Instrumentation

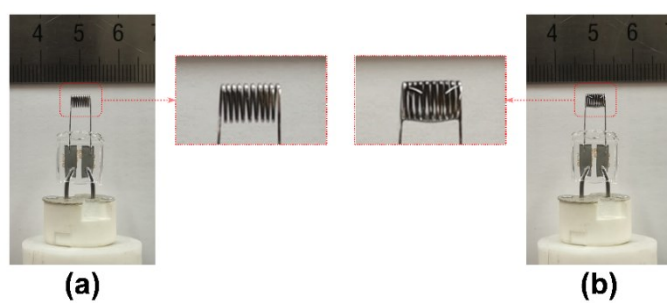


Fig. S1 Picture of the W-coil atomizer: (a) real W-coil used in this work, and (b) the W-coil with sample solution (20 µL) injected by a micro-syringe.

2. AAS signal characterization

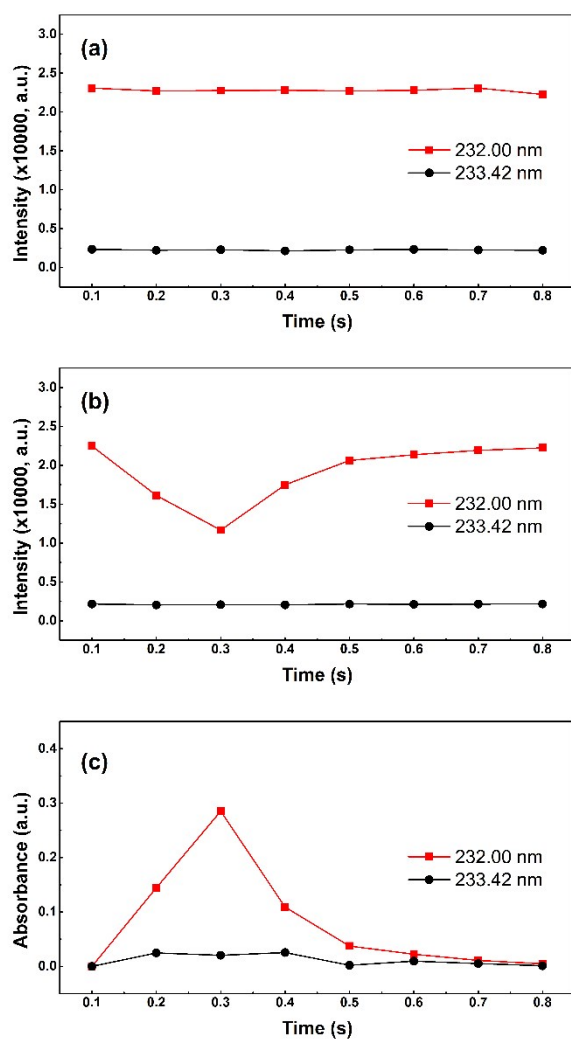


Fig. S2 Atomic absorption temporal profile during the atomization: (a) blank, (b) sample, and (c) absorbance of sample.