

Electronic Supplementary Information

Fabrication and characterization of magnetic mesoporous nanoparticles for efficient determination and magnetic separation of sulfonamides in food samples

Mengmeng Zhang^a, Wei Wang^{b,c}, Lili Wu^a, Zulei Zhang^{b,c*}, Hongmei Wang^c, Liping Guo^c, Ruobing Cheng^b

^aComprehensive Technology and Service Center of Jiaxing Customs, Jiaxing 314001, China

^bAnalytical & Testing Center, Jiaxing University, Jiaxing 314001, China

^cSchool of Biology and Chemical Engineering, Jiaxing University, Jiaxing 314001, China

*Corresponding author

Email: jerry3641172@126.com, lei.li@mail.zjxu.edu.cn

Fax: +86-573-83646203; Tel: +86-573-83646203

1. Supporting data

Fig.S1 low-angle XRD spectra of $\text{Fe}_3\text{O}_4@\text{SiO}_2@m\text{SiO}_2$

Table S1. The mean matrix effects of the MSPE method (2.0 $\mu\text{g/L}$ of SAs, $n=3$).

Analyst	Matrix effect		
	Milk	Pork	egg
SMZ	92.1 \pm 3.2%	91.8 \pm 4.6%	93.8 \pm 3.8%
SIZ	89.9 \pm 3.7%	92.5 \pm 5.5%	93.4 \pm 4.2%
SDZ	92.3 \pm 3.2%	91.3 \pm 3.2%	91.5 \pm 2.8%
SMD	93.4 \pm 3.0%	89.1 \pm 2.6%	92.9 \pm 3.8%