Supporting information

Development of a sensitive method for the determination of parabens in complex samples by online coupling of magnetism-enhanced monolith-based in-tube solid phase microextraction with high performance liquid chromatography

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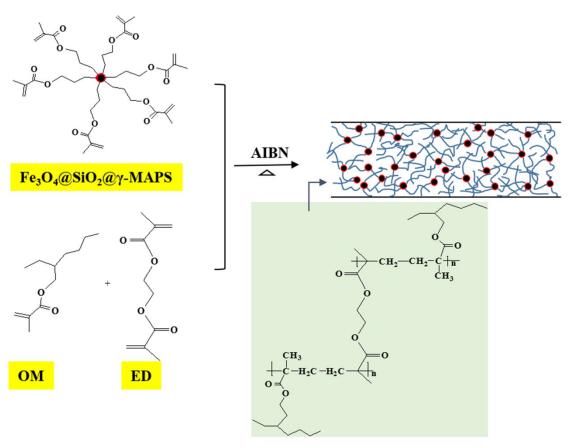


Figure S1. The preparation sketch of MCC/MNPs

Compounds	Molecular formula	Molecular mass	Chemical structures	LogK _{o/w} ^a	pK _a	
i-PrP	$C_{10}H_{12}O_3$	180.2	HOLDYOL	2.91	8.40±0.15	
PrP	$C_{10}H_{12}O_3$	180.2	HOJO	3.04	8.23 ± 0.15	
i-BuP	$C_{11}H_{14}O_3$	194.2	HORDON	3.40	8.17±0.15	
BuP	$C_{11}H_{14}O_3$	194.2	HOTIO	3.57	8.22±0.15	
<i>a</i> Calculated		via	website: http:	http://www.vcclab.org/web/alogps/.		

Table S1.	The	basic	information	of four	parabens

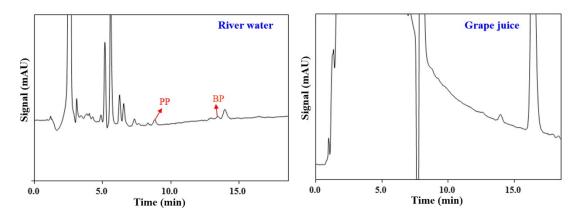


Figure S2. Typical chromatograms of parabens in real river water and grape juice sample

Experimental conditions: the intensity of magnetic field in adsorption and desorption steps were 20 Gs and -20 Gs, respectively; the sampling rate and volume of sample were 0.05 mL/min and 1.20 mL, respectively; the desorption flow rate was 0.03 mL/min with100 μ L ACN/water (40/60, v/v) used as desorption solvent; the sample pH value was regulated to 5.0 and the ionic strength of sample was adjusted by addition of 4% (w/v) NaCl.