

**Electronic supplementary information for**

**Sensitivity enhancement of inorganic arsenic analysis by *in situ* microplasma preconcentration coupled with liquid chromatography atomic fluorescence spectrometry**

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**Figure captions**

Figure S-1. Chromatogram of arsenic speciation measured in one real rice sample .

**Table titles**

Table S-1. Instrumental conditions of LC-ICP-MS.

## Supporting data

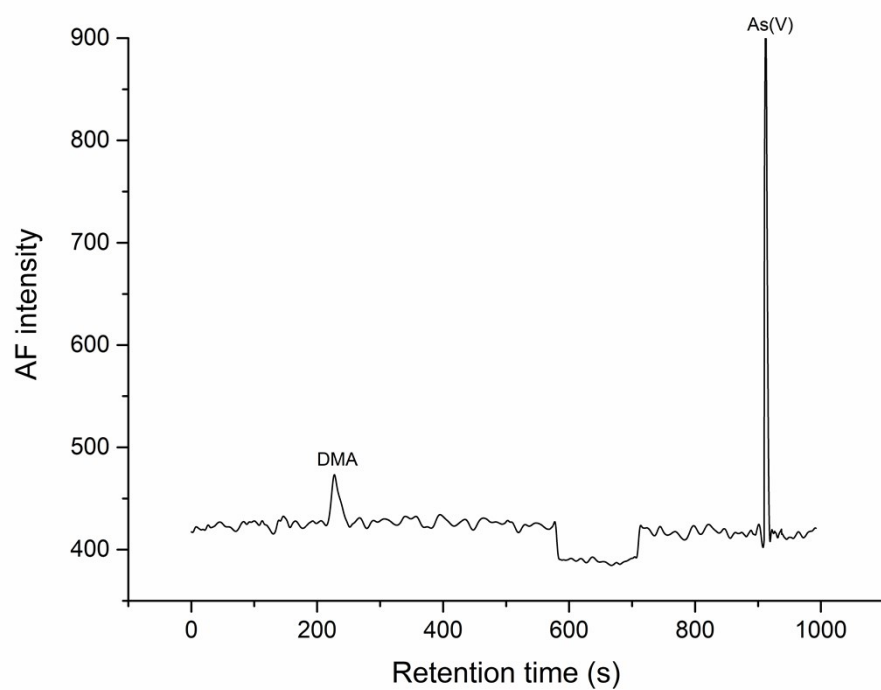


Figure S-1. Chromatogram of arsenic speciation measured in one real rice sample (GBW(E)100348).

**Table S-1. Instrumental conditions of LC-ICP-MS .**

ICP-MS	Parameters
Incident RF power	1380W
Cooling Ar gas flow rate	14 L min <sup>-1</sup>
Nebulizer Ar gas flow rate	0.84 L min <sup>-1</sup>
Auxiliary Ar gas flow rate	1.2 L min <sup>-1</sup>
Collision He gas flow rate	5 mL min <sup>-1</sup>
PP rate	50 rpm
Isotope	<sup>75</sup> As
Internal standard	Ge
LC	Parameters
Analytical column	Hamilton PRP-X100 anion-exchange column (250 mm × 4.1 mm, 10 µm)
Mobile phase	15 mM NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> (pH = 6.0)
Injection volume	100 µL
Flow rate	1 mL min <sup>-1</sup>