Supporting Information

Indirect determination of sulfide ions in water samples at trace level by anodic stripping voltammetry using mercury film electrode

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[15] 1. The basic water quality parameters in various water samples

Table S1 presents the concentrations of some heavy metals and other elemnts in beverage and different spiked water matrices. The concentrations of heavy metals are very low and do not interfere the determination of S^{2-}.

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Table S1 The basic water quality parameters measured by ICP-AES (mg L^{-1})

Elements	Maidong beverage	Nongfu spring water	Wastewater	LOD
K	4.09	1.13	4.66	0.06
Ca	20.4	14.0	433	0.002
Na	4.35	5.45	1430	0.005
Mg	0.60	1.91	29.8	0.02
Al	0.49	ND	ND	0.01
Si	0.39	2.04	5.38	0.002
Cu	ND	ND	ND	0.002
Zn	ND	ND	ND	0.002
Pb	ND	ND	ND	0.02
Cd	ND	ND	ND	0.002
Ni	ND	ND	ND	0.003
Cr	ND	ND	ND	0.002
As	ND	ND	ND	0.021
P	ND	ND	ND	0.02
Co	ND	ND	ND	0.001
Ba	ND	ND	ND	0.001
Fe	ND	ND	ND	0.002
Ti	ND	ND	ND	0.003
Mn	ND	ND	ND	0.005
V	ND	ND	ND	0.001
Mo	ND	ND	ND	0.003

*LOD means the ICP-AES detection limit for different elements