

Table S1. The parameter, regression equation, correlation coefficient, linear range, and recovery of the five trace elements

Element	Mass (amu)	Mode	CH <sub>4</sub> (mL/min)	RPq	Regression equation	Linear range (ng/mL)	Correlation coefficient	Recovery (%)
Cu	65	Standard	-	-	$y = 0.022x + 0.000$	0.025-50	0.9999	96.3± 17.1
Zn	67	Standard	-	-	$y = 0.001x + 0.000$	0.250-50	0.9999	90.0±34.8
Cr	52	DRC	0.8	0.5	$y = 0.077x - 0.001$	0.025-10	0.9999	88.7±3.5
Mn	55	DRC	0.8	0.5	$y = 0.104x - 0.003$	0.025-5	0.9999	93.3±14.2
Se	78	DRC	0.3	0.45	$y = 0.001x - 0.000$	0.005-10	0.9998	97.3±17.8

Abbreviations: DRC, dynamic reaction cell