

Electronic Supplementary Information for

Study of volatile selenium metabolites stability in normal urine: effects of sample handling and storage conditions. Marlène Klein, Hugues Preud'homme, Maité Bueno and Florence Pannier

HS SPME calibration slopes in urine matrices compared to the ones in Milli-Q water (in %)

	$(\text{slope}_{\text{matrix}} - \text{slope}_{\text{milliQ}}) \times 100 / \text{slope}_{\text{milliQ}}$	
	Synthetic urine	Human urine
DMSe	- 83%	- 23%
DMDS	+ 22%	+ 34%
DMDSe	- 24%	- 96%
DMTS	+ 22%	+ 29%

m/z of monitored parent and daughter ions in MRM analysis mode

Compound	m/z of parent ion	m/z of daughter ion
DMSe (⁸⁰ Se)	109.96	94.94 (CH ₃ loss)
DMSe (⁷⁸ Se)	107.96	92.94 (CH ₃ loss)
DMSes (⁸⁰ Se)	141.94	126.91 (CH ₃ loss) 46.99 (CH ₃ Se loss)
DMSes (⁷⁸ Se)	139.94	124.91 (CH ₃ loss) 46.99 (CH ₃ Se loss)
DMDSe (⁸⁰ Se)	189.88	174.86 (CH ₃ loss)
DMDSe (⁷⁸ Se)	187.88	172.86 (CH ₃ loss)
DMSesDS (⁸⁰ Se)	173.91	126.91 (CH ₃ S loss) 46.99 (CH ₃ SeS loss)
DMSesDS (⁷⁸ Se)	171.91	124.91 (CH ₃ S loss) 46.99 (CH ₃ SeS loss)