

**Table S2** Study of different ratios to improve the preconcentration in the back-microextraction step and so in the overall method.

HAAs	Extraction efficiencies for the overall method (%) <sup>a</sup>			
	Ratio 1:1	Ratio 2:1	Ratio 4:1	Ratio 8:1
MCAA	67.3	53.2	53.2	31.1
MBAA	67.0	55.9	45.3	26.5
DCAA	78.5	44.1	48.7	31.5
BCAA	65.9	50.8	52.1	36.5
DBAA	76.1	46.3	45.1	30.2
TCAA	68.5	22.4	24.0	17.8
BDCAA	74.0	48.8	47.7	35.9
CDBAA	95.6	43.1	48.7	37.0
TBAA	90.8	78.7	72.9	50.5
Average	75.9	49.3	48.6	33.0

<sup>a</sup>HAAs concentration: 5 mg·L<sup>-1</sup> (n = 2)