

Supplementary table 1. Quality parameters for GC targeted analysis.

Compound	r^2	LoD ($\mu\text{g/L}$)	LoQ ($\mu\text{g/L}$)	Recovery (%)	Accuracy (%)	Repeatability (%RSD, $n=5$)
4-EP	0.9960	0.3	1.0	116	109	2.2
4-EG	0.9952	0.4	1.2	103	108	2.2
5-MF	0.9975	0.8	2.6	111	101	3.9
2-MIB	0.9997	2.6	8.7	110	99	8.8
5-HMF	0.9933	3.3	11.1	66	101	5.5