

Table 1

Phenolic pollutants quantified in the dissolved and in the suspended phases of Lake Balaton water samples taken from the western and eastern basins in April and October of 2014, determined as their trimethylsilyl derivatives by GC-MS-MS in MRM acquisition mode

Entries		Pollutant concentrations measured from 3L sample volumes, ng/L [µg/kg dry matter] (RSD% of three parallel measurements)							
		Western basin				Eastern basin			
Pollutant↓	LOQ, ng/L ↓	Dissolved		Suspended		Dissolved		Suspended	
		April	October	April	October	April	October	April	October
Suspended particulate matter, in total: mg/L⇒				24.8	8.15			14.1	7.56
1. 2-MP	14	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
2. 4-MP	1.39	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
3. 2-CP	0.15	160 (2.6)	164 (6.6)	<LOQ	<LOQ	103 (0.68)	155 (3.6)	<LOQ	<LOQ
4. 3-CP	0.21	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
5. 2,4-diMP	1.21	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
6. 4-CP	0.16	641 (4.7)	888 (5.6)	16.2 [651] (6.1)	<LOQ	407 (1.6)	784 (6.0)	18.0 [1274] (6.2)	<LOQ
7. 4-Cl-3-MP	0.29	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
8. 3,5-diCP	0.26	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
9. 2,5-diCP	0.21	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
10. 2,6-diCP	0.21	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
11. 2,4-diCP	0.45	27.8 (4.9)	66.0 (6.6)	<LOQ	<LOQ	20.2 (2.1)	72.0 (4.1)	<LOQ	<LOQ
12. 2,3-diCP	1.29	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
13. 2-NP	1.28	66.5 (6.3)	29.5 (6.8)	<LOQ	<LOQ	57.7 (1.8)	31.0 (5.0)	<LOQ	<LOQ
14. 3,4-diCP	0.22	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
15. 4-Cl-3,5-diMP	1.46	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
16. 4-NP	1.31	94.1 (4.2)	31.5 (5.7)	10.5 [423] (4.5)	5.17 [634] (5.7)	62.9 (2.8)	32.0 (4.7)	8.37 [593] (3.6)	5.39 [714] (6.5)
17. 2,4,6-triCP	1.29	16.6 (5.4)	32.8 (8.1)	<LOQ	<LOQ	10.4 (12)	38.1 (4.7)	<LOQ	<LOQ
18. 2,4,5-triCP	6.8	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
19. 2,3,4-triCP	1.06	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
20. 2,3,4,6-tetraCP	1.26	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
21. 4-nonP isomers	6.8	<LOQ	<LOQ	37.2 [1500] (3.1)	17.2 [2110] (2.2)	<LOQ	<LOQ	41.1 [2910] (0.78)	19.9 [2635] (3.7)
22. 4-n-OP	0.33	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
23. pentaCP	4.89	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
24. 4-n-nonP	0.32	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
25. TCN	1.31	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ
26. BPA	5.3	112 (3.8)	21.7 (3.9)	6.22 [250] (2.5)	4.21 [516] (8.0)	47.6 (0.55)	20.6 (4.5)	5.39 [382] (2.6)	4.44 [587] (4.2)