

# Supporting information

## Spatial Variations in Microplastics in the Largest Shallow Lake of Central Europe and Its Protecting Wetland Area

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(A)

	MPs/Blank samples			
Polymer types	Blank 1	Blank 2	Blank 3	Blank 4
PE	1.00	0.00	2.00	0.00
PP	3.00	0.00	0.00	0.00
PS	0.00	0.00	1.00	0.00
Cellulose acetate	0.00	0.00	0.00	1.00
Sum	4.00	0.00	3.00	1.00
Average	2.00			
Standard Deviation (S.D.)	1.58			
LOD (average + 3.3xS.D.)	7.22			
LOQ (average + 10xS.D.)	17.81			

(B)

Sample code	KB-1	KB-2	KB-3	KB-4	KB-5	KB-6	KB-7	LB-1	LB-3	LB-3	LB-4	LB-5	LB-6	LB-7	LB-8
Sample volume (L)	1988	1347	2010	2004	2001	2101	2032	2002	2003	2003	2002	2003	2002	2002	2000
PE	3.00	160.00	1.00	23.00	15.00	3.00	343.00	1.00	61.00	14.00	8.00	139.00	21.00	1.00	11.00
PP	0.00	21.00	7.00	0.00	3.00	6.00	48.00	1.00	12.00	14.00	12.00	25.00	19.00	6.00	17.00
Polyester	0.00	2.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	16.00	0.00	29.00	4.00	0.00	1.00
PA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00
Acrylic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	3.00	0.00	0.00	0.00	0.00
PVC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00
PU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	2.00	1.00	0.00	0.00
PS	0.00	0.00	0.00	1.00	1.00	0.00	9.00	1.00	0.00	0.00	0.00	2.00	0.00	3.00	2.00
ABS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	3.00	0.00
Epoxy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Cellulose acetate	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	3.00	1.00	0.00
Alkyd	0.00	21.00	0.00	13.00	0.00	2.00	0.00	0.00	0.00	15.00	2.00	12.00	21.00	8.00	4.00
Sum	3.00	206.00	8.00	37.00	19.00	12.00	400.00	3.00	75.00	61.00	27.00	214.00	70.00	23.00	35.00
								<	LOD						
LOD							<		<	LOQ					
LOD; LOQ							<								

**Supplementary Table S1: (A)** The ascertainable limits of detection (LOD) and quantification (LOQ) are determinable through the examination of blank samples, enabling the computation of these values concerning the overall amount of microplastics (MPs); **(B)** Total microplastic concentrations of samples and sampling volumes can be seen; also, colors indicate how samples relate to the LOD and LOQ values (PE: polyethylene; PP: polypropylene; PS: polystyrene; ABS: acrylonitrile butadiene styrene; PA: polyamide; PU: polyurethane; PVC: polyvinyl chloride; LB: Lake Balaton; KB: Kis-Balaton Water Protection System and its catchment area).