

**S1 Table.** Basic characteristics of water and sediment of the fate study experiment. A: water: water system, no light control, B: water: sediment system, non light control, C: water: sediment system, light control D: water: water system, light control

<b>Water</b>	A	B	C	D
pH	8,56	7,17	7,05	7,82
EC	190	161	168	184
DO	10,15	5,63	2,73	6,43
Temp (°C)	30,7	31,6	30,7	30,3
TN (mg L <sup>-1</sup> )	3,08	3,36	2,8	2,8
TP (mg L <sup>-1</sup> )	0,57	1,06	0,72	0,73
TOC (mg L <sup>-1</sup> )	2,09	2,78	2,77	2,39
<b>Sediment</b>		B	C	
pH <sub>water</sub> (1:2.5)		5,07	4,97	
TC (CHC) (%C)		3,67	4,36	
TN (%)		0,13	0,15	
CEC (cmol kg <sup>-1</sup> )		14,2	13,7	
Density (g cm <sup>-3</sup> )		2,5	2,56	