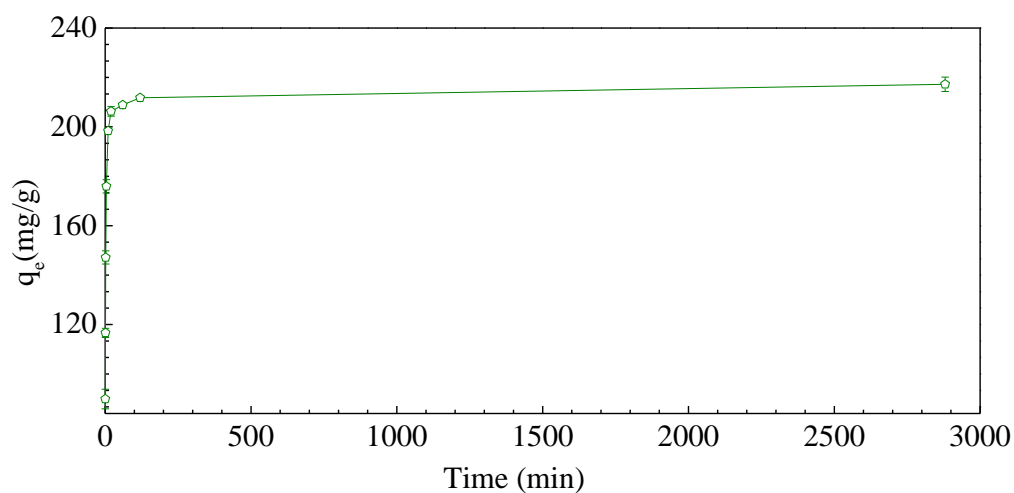


Table S1. General properties of the four isothiazolones.

Isothiazolone	Supplier	Purities	CAS#	log K_{ow}	pKa
2-Methyl-4-Isothiazolin-3-one(MIT)	J&K, CN	95%	2682-20-4	-0.83	-
5-Chloro-2-methyl-4-isothiazolin-3-one(CMIT)	Dr.Ehrenstorfer, GER	99%	26172-55-4	-0.34	-
1,2-Benzisothiazol-3(2H)-one(BIT)	J&K, CN	98%	2634-33-5	0.64	-0.14,6.78
2-n-Octyl-4-isothiazolin-3-one(OIT)	TCI, CN	98%	26530-20-1	2.45	-

**Figure S1.** Effect of adsorption time on BIT adsorption amounts.**Table S2.** High-performance liquid chromatography (HPLC) methods for the quantification of isothiazolones.

Isothiazolone	Mobile conditions (20mmol phosphate:methanol)	Flow rate (mL·min ⁻¹)	Injection volume (μL)	Wavelength (nm)
2-Methyl-4-Isothiazolin-3-one(MIT)	60%: 40%	0.8	20	273
5-Chloro-2-methyl-4-isothiazolin-3-one(CMIT)	65%: 35%	0.6	20	274
1,2-Benzisothiazol-3(2H)-one(BIT)	55%: 45%	0.8	20	318
2-n-Octyl-4-isothiazolin-3-one(OIT)	25%: 75%	1	20	278