

Supplementary material

**Enantioselective determination of ibuprofen residues by chiral liquid chromatography:
a systematic study of enantiomeric transformation in surface water and sediments**

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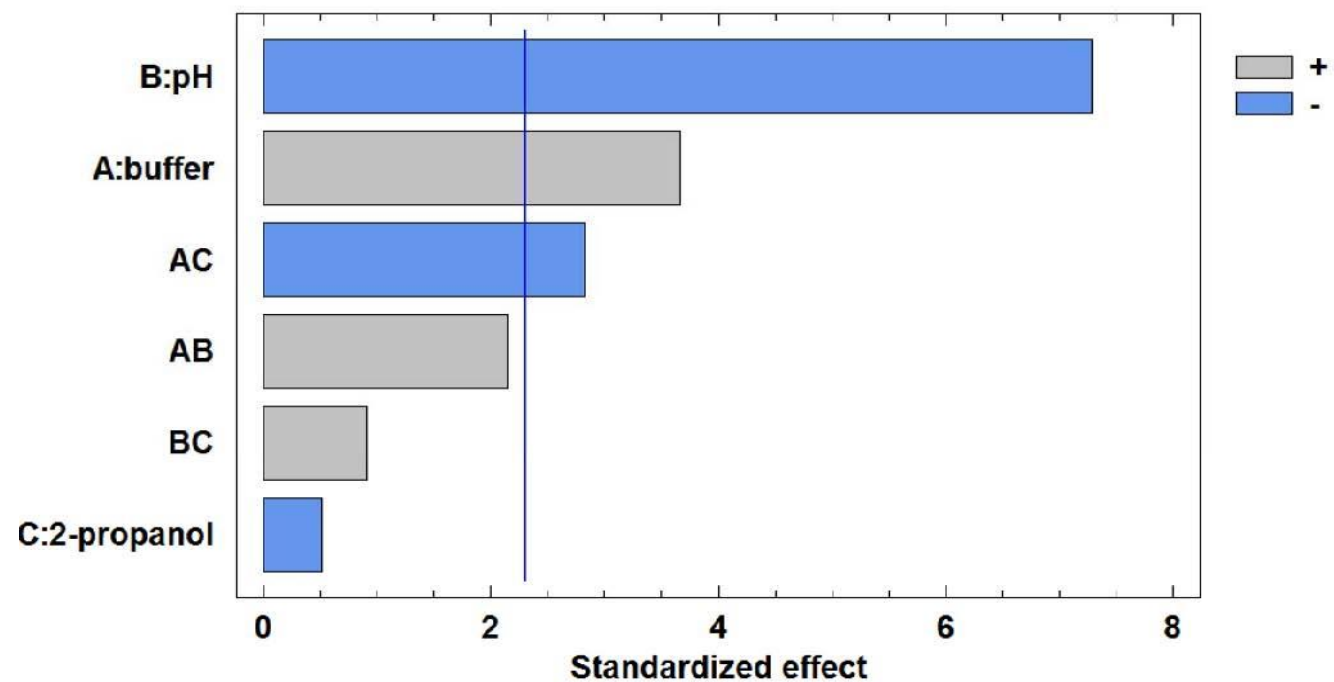


Fig. S1 Pareto chart: Standardised effects of each factor studied over enantiomeric resolution. An effect that extends beyond the reference line is potentially important.

Table S1. Results of analysis of variance (ANOVA) test for enantiomeric fractions (EFs) and recovery of each enantiomer ((S) and (R)-ibuprofen (IB)) in sediment and water

Parameters with a statistic *P* values ≤ 0.05 are indicated in bold and show effects that are significantly different from zero at the 95 % confidence level

Principal effect	EF		Water Recovery (S)-IB				Recovery (R)-IB				EF		Sediment Recovery (S)-IB		Recovery (R)-IB	
	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>	<i>F</i>	<i>P</i>
	Sample type	410.88	0.0000	–	–	–	–	–	–	–	–	–	–	–	–	–
Dark or daylight	5.29	0.0313	2.32	0.1623	0.50	0.4988	0.78	0.4000	13.1	0.0056	4.12	0.0729	4.36	0.0373		
Time	3.82	0.0242	76.29	0.0000	6.18	0.0144	11.06	0.0022	3.17	0.0782	3.52	0.0621	3.77	0.0839		