SUPPLEMENTARY MATERIAL

Investigation into the enantiospecific behavior of trichlorfon enantiomers during microorganism degradation

Jing Nie[b], Li-Ye Yang[b], Xiao-kun OuYang[a,b*], Wei-Jian Wu[b], Yang-Guang Wang[a,b*], Di Yu[b]

[a]Key Laboratory of Health Risk Factors for Seafood of Zhejiang Province, Zhejiang Ocean University, Zhoushan 316022, P.R. China

[b]School of Food and Pharmacy, Zhejiang Ocean University, Zhoushan 316022, P.R. China

[*]Corresponding Author. Tel.:+86-580-2554781. Fax: +86-580-2554781. E-mail: xkouyang@zjou.edu.cn (Xiao-kun OuYang) or ygw0510@sohu.com (Yang-Guang Wang)

TABLES

Table S1. Effect of extraction volume on trichlorfon enantiomer recovery

Extraction volume (mL)	Recovery (%) ± SD		
	S-(+)-TF	*R*-(–)-TF	dichlorvos
10	69.41 ± 9.38	60.44 ± 6.39	77.90 ± 2.98
15	91.69 ± 4.70	92.69 ± 3.41	99.77 ± 1.87
20	91.00 ± 3.07	91.18 ± 5.90	99.55 ± 1.11

Table S2. **EF values of the trichlorfon enantiomers**

Analyte	Spiked amount (μg/g)	EF values	
		Intraday[b]	Interday[c]
TF[a]	0.12	0.5	0.5
	0.30	0.5	0.5
	0.80	0.5	0.5

[a] *S*-(+)-TF spiked amounts were 0.06/0.15/0.40 μg/g; *R*-(–)-TF spiked amounts were 0.06/0.15/0.40 μg/g; [b] n = 5; [c] n = 5 replicates × 5 d within a 14 d period.

FIGURES

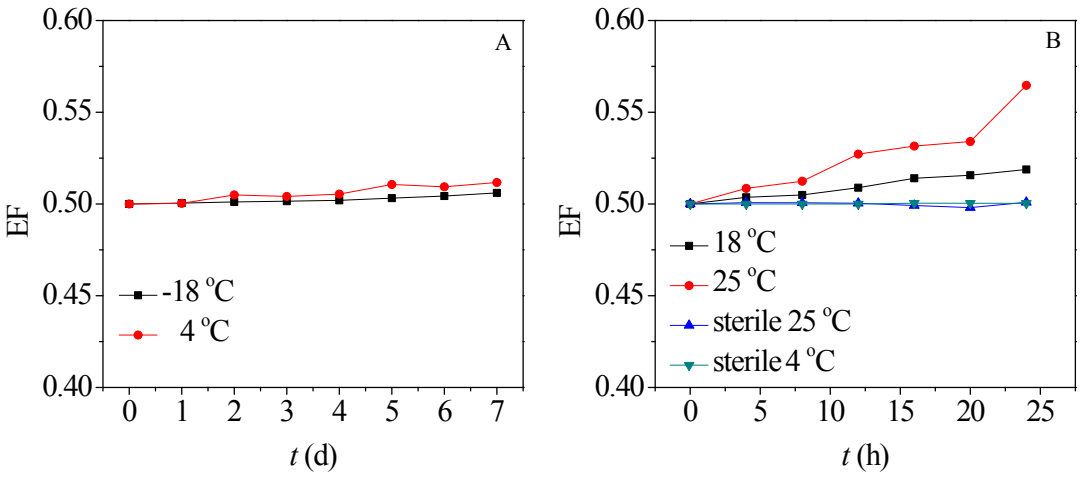

Figure S1. (A) EF values at −18 °C and 4 °C (unsterilized conditions). (B) EF values at 18 °C and 25 °C (unsterilized conditions) and 4 °C and 25 °C (sterile conditions).