

Supplementary Material

Simultaneous Determination of Seven Pyrethroid Pesticide Residues in Aquatic Products by Gas Chromatography

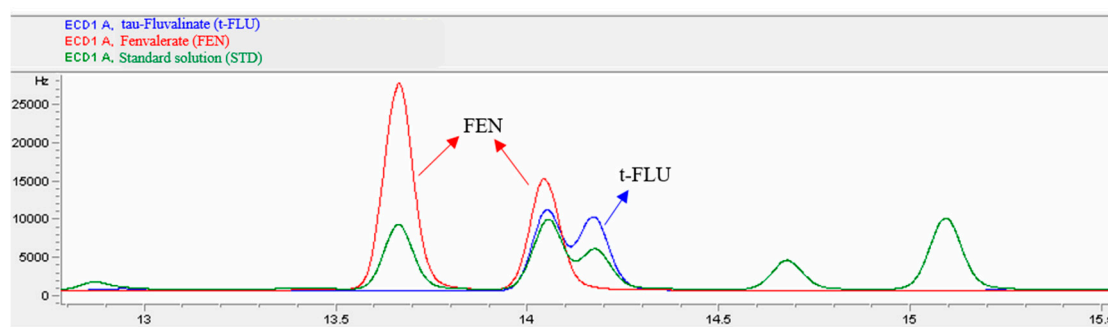


Figure S1. The chromatogram of FEN and t-FLU standards solution using HP-35 capillary column.

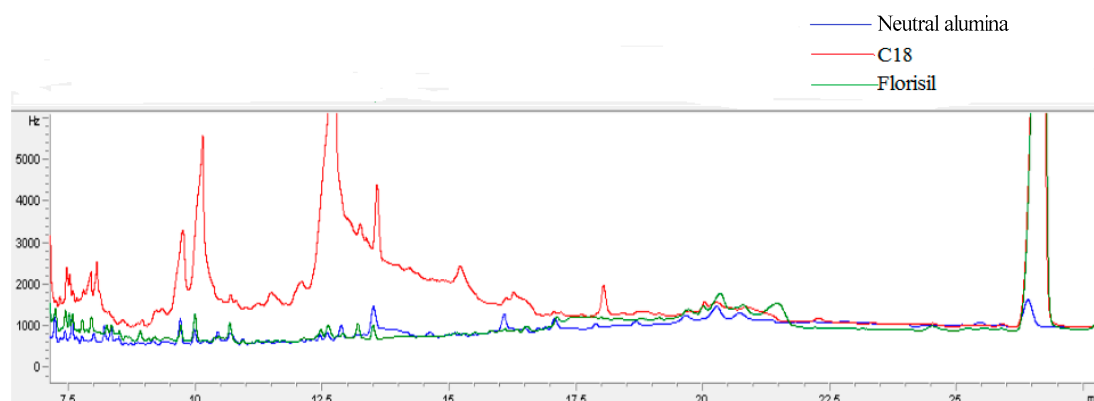


Figure S2. The effect of three SPE columns cartridges on the removal of matrix interference of 7 PYRs.

Table S1. Real sample analysis of six different aquatic products (n=3).

Analytes	Carp		Crucian		Whiteleg shrimp	
	Detected (µg/kg)	Spiked Recovery (%)	Detected (µg/kg)	Spiked Recovery (%)	Detected (µg/kg)	Spiked Recovery (%)
CYH	ND	82.4±6.10	ND	85.3±8.70	ND	86.3±8.93
PER	ND	88.3±10.5	0.54±0.11	85.6±6.92	0.32±0.08	96.0±7.61
CYF	ND	84.5±6.80	ND	91.0±9.62	ND	86.7±4.80
CYP	0.48±0.07	93.2±8.92	ND	78.9±6.20	ND	87.7±8.79
t-FLU	ND	92.1±7.30	ND	77.9±5.68	ND	89.8±8.05
FEN	ND	90.8±11.2	ND	82.2±3.56	ND	79.3±4.19
DEL	ND	87.3±5.14	ND	77.8±7.70	0.45±0.09	84.5±6.26
Analytes	Sea cucumber		Scallop		River Crab	
	Detected (µg/kg)	Spiked Recovery (%)	Detected (µg/kg)	Spiked Recovery (%)	Detected (µg/kg)	Spiked Recovery (%)
CYH	ND	83.6±5.32	ND	87.3±2.64	ND	79.6±3.75

PER	ND	92.0±5.69	0.56±0.12	89.9±5.68	ND	85.5±5.65
CYF	ND	79.8±3.06	ND	89.0±1.98	ND	78.3±3.85
CYP	ND	88.3±7.47	ND	87.6±6.81	ND	81.9±4.82
t-FLU	ND	78.9±4.28	ND	81.1±4.15	ND	84.0±4.78
FEN	ND	89.6±1.53	ND	85.2±5.35	ND	87.6±4.60
DEL	ND	84.3±3.18	ND	87.9±5.95	0.73±0.14	78.5±6.74

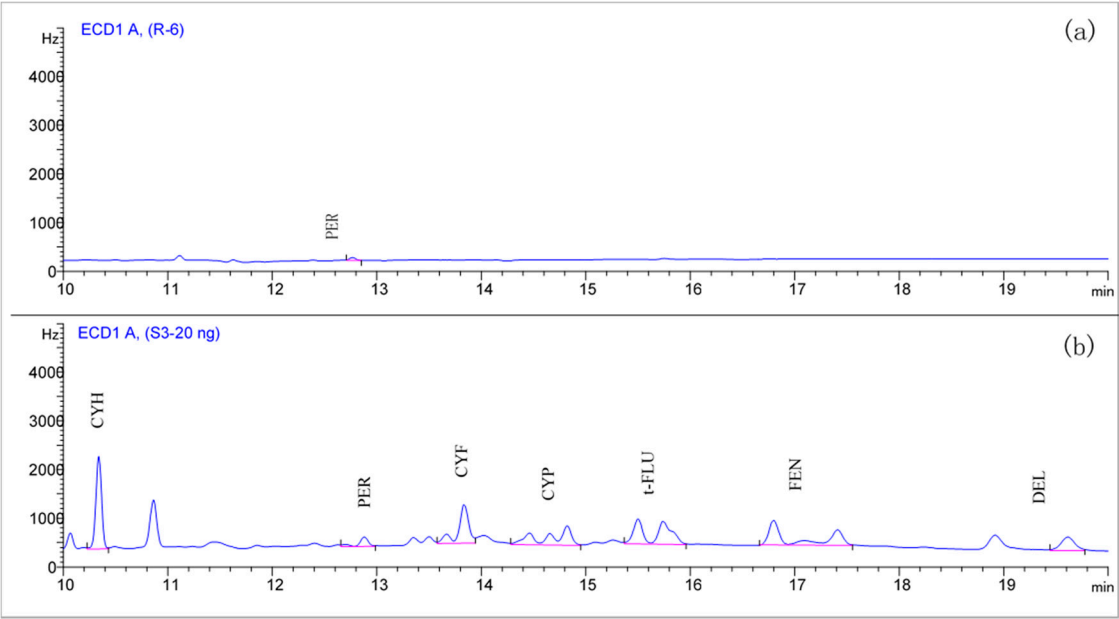


Figure S3. The chromatograms of PER in a scallop sample (a) and seven PYRs in standards solution (b).