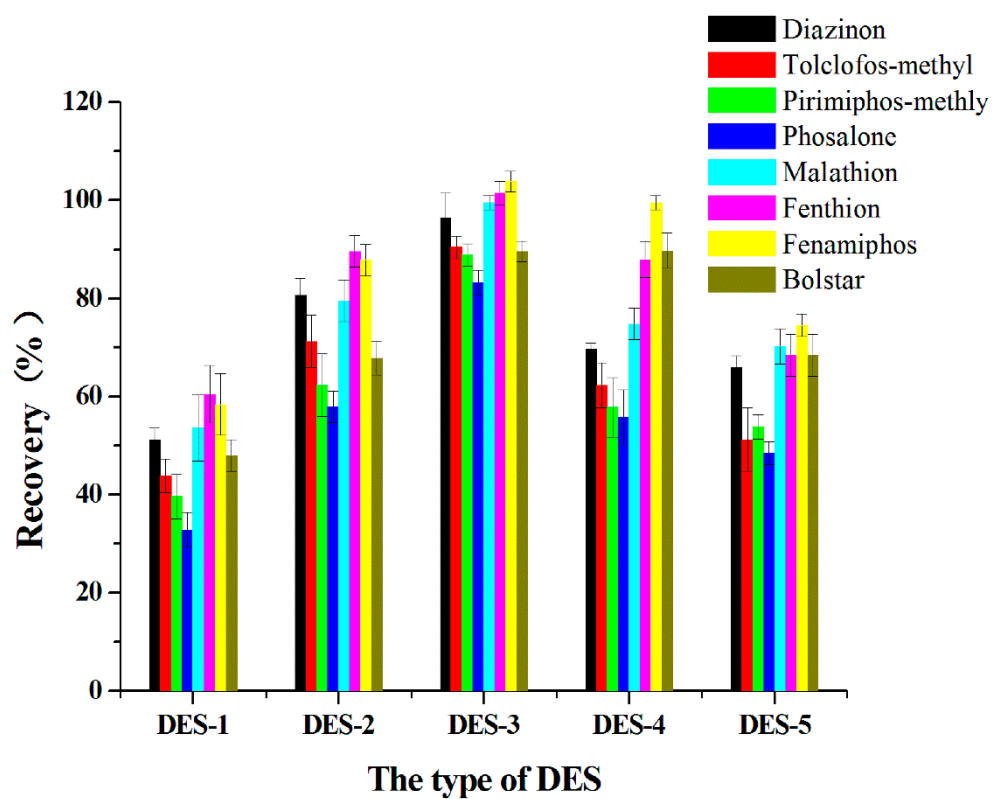
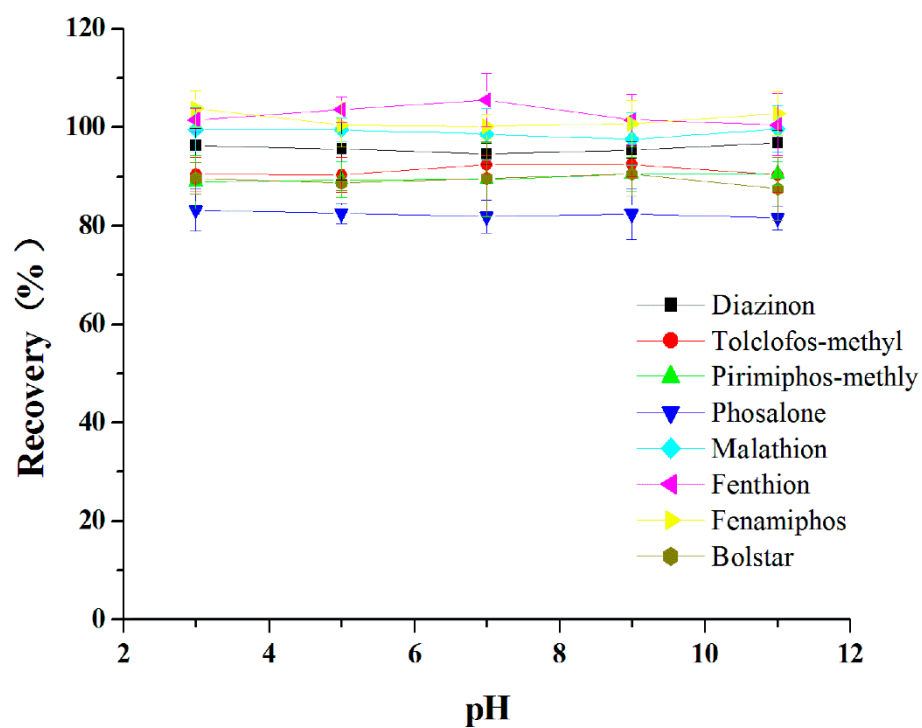


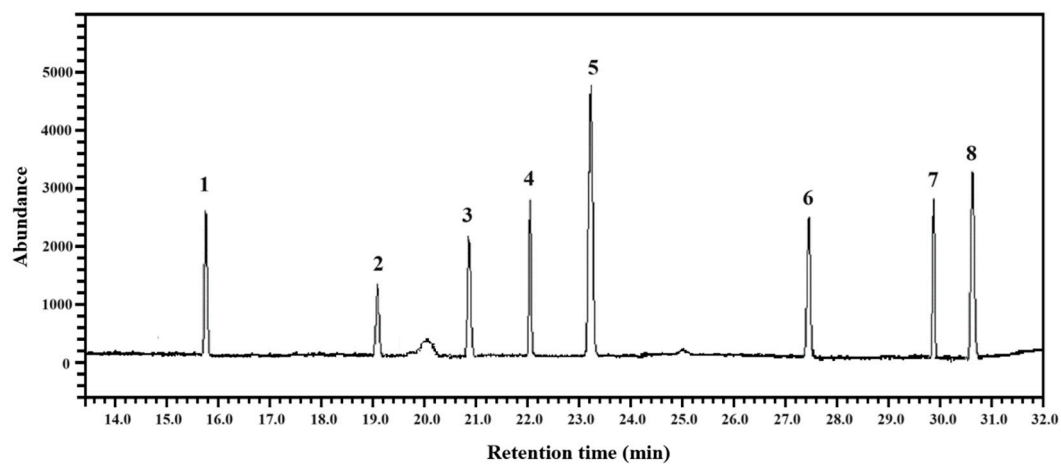
**Figure S1 Effect of molar ratio of choline chloride to phenol on recoveries of OPPs**



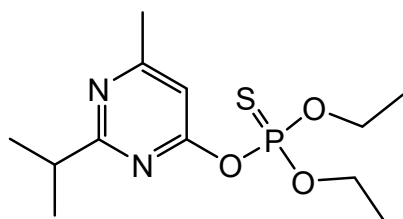
**Figure S2 Effect of pH of sample solution on recoveries of OPPs**



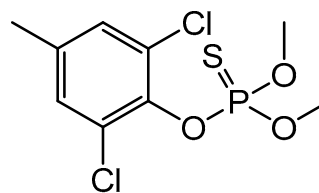
**Figure S3 Typical chromatograms chromatograms for the spiked sample. 1. Diazinon; 2. Tolclofos-methyl; 3. Pirimiphos-methly; 4. Phosalone; 5. Malathion; 6. Fenthion; 7. Fenamiphos; 8. Bolster.**



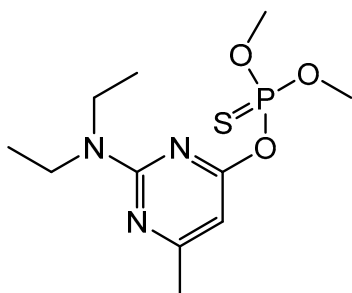
**Figure S4 Structures of OPPs**



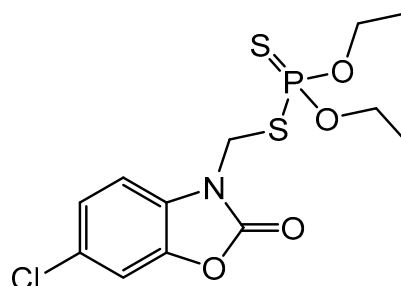
Diazinon



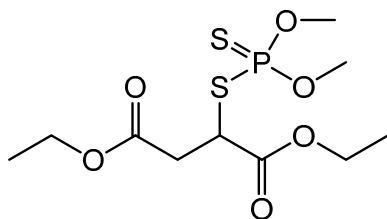
tolclofos-methyl



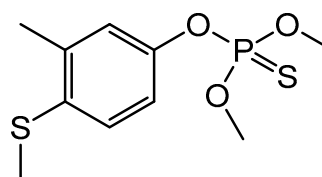
pirimiphos-methyl



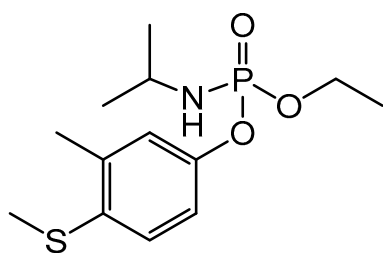
phosalone



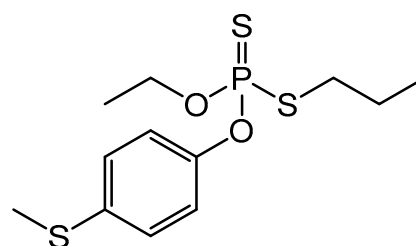
malathion



fenthion



Fenamiphos



bolster

**Table S1** Analytical results of real samples (n=3)

Analytes	Spiked concentration (ng mL <sup>-1</sup> )	Sample 1		Sample 2		Sample 3	
		Recovery (%)	RSD (%)	Recovery (%)	RSD (%)	Recovery (%)	RSD (%)
Diazinon	1.00	94.3	2.4	95.3	4.3	93.2	6.4
	10.00	95.5	3.6	93.4	2.5	91.4	4.3
Tolclofos-methyl	1.00	88.5	5.3	89.4	3.3	87.4	3.5
	10.00	90.4	3.6	89.2	4.7	84.3	3.8
Pirimiphos-methyl	1.00	86.1	7.5	86.7	2.1	88.9	2.7
	10.00	87.5	5.1	88.5	1.6	88.2	5.7
Phosalone	1.00	83.8	4.5	82.4	4.6	81.4	6.5
	10.00	82.5	4.3	85.7	6.5	83.7	8.6
Malathion	1.00	99.7	3.7	98.3	7.3	99.7	4.6
	10.00	97.9	3.8	98.7	3.9	95.6	4.8
Fenthion	1.00	103.2	5.5	101.6	1.0	100.7	3.3
	10.00	102.4	3.4	104.4	2.6	96.7	3.7
Fenamiphos	1.00	99.3	3.6	103.5	4.2	99.6	5.8
	10.00	101.5	3.9	103.1	4.8	97.8	4.2
Bolstar	1.00	89.8	6.0	90.3	3.5	90.8	4.5
	10.00	90.6	4.2	87.2	3.7	90.5	3.0