Table S1 The s/n ratios and coefficient of determination (R^2) in insecticides analysis

	S/N*	R^2	Calibration range (ng/mL)
Fenobucarb	159	1.0000	4-200
Diazinon	260	0.9972	4-200
Chlorpyrifos	412	0.9954	1-50

* The measured concentrations of S/N ratios are 1 ng/mL for chlorpyrifos and 4 ng/mL for fenobucarb and diazinon.

Table S2 Results of Grubbs test for each insecticide

	Chlorpyrifos		Diazinon		Fenobucarb	
Laboratory	concentration (n=25, ng/mL)	Test statistic (G)	concentration (n=25, ng/mL)	Test statistic (G)	concentration (n=25, ng/mL)	Test statistic (G)
1	8.871	0.300	29.678	0.707	42.132	0.730
	9.302	0.084	30.599	0.545	44.252	0.425
	8.643	0.413	29.742	0.696	45.200	0.289
	9.615	0.072	32.540	0.204	44.683	0.363
	9.467	0.002	32.023	0.295	45.859	0.194
2	9.081	0.195	32.562	0.200	47.208	0.000
	9.003	0.234	33.455	0.043	44.783	0.349
	8.974	0.248	35.102	0.247	46.438	0.111
	8.111	0.679	31.547	0.378	39.689	1.081
	8.115	0.677	32.635	0.187	41.348	0.843
3	7.881	0.794	24.599	1.601	36.426	1.551
	8.657	0.406	28.364	0.938	40.072	1.026
	7.728	0.871	26.675	1.235	39.208	1.151
	8.568	0.451	30.449	0.572	38.700	1.224
	8.151	0.659	24.283	1.656	37.368	1.415
4	8.256	0.607	36.569	0.505	59.931	1.830
	8.365	0.552	34.178	0.084	56.136	1.284
	7.923	0.773	34.023	0.057	54.402	1.034
	8.227	0.621	34.945	0.219	56.864	1.389
	8.158	0.656	35.496	0.316	54.624	1.066
5	12.701	1.614	41.440	1.362	52.795	0.803
	12.334	1.431	42.179	1.492	54.774	1.088
	11.922	1.225	37.674	0.699	53.775	0.944
	15.153	**2.839**	44.380	1.879	51.011	0.547
	13.556	2.041	47.343	2.400	52.535	0.766

The critical region: G>2.663 (n=25, significance level: α = 5%). Reference; Frank E. Grubbs and Glenn Beck, "Extension of Sample Sizes and Percentage Points for Significance Tests of Outlying Observations", *Technometrics*, **14(4)**, 847-854 (1972).