

## Supplemental Information

Table 1. QA/QC measures we use for Bifenthrin.

	Level of Quantitation (ug L <sup>-1</sup> )	Recovery %		Spiking Amounts (ug L <sup>-1</sup> )	
		High	Low	High	Low
Bifenthrin	.026	96.9	91.1	26.5	5.3

LOQ is Level of Quantitation.

% recovery is an assessment of the extraction method. To determine, a known amount of the compound of interest is added into a pure matrix (MilliQ water) and the sample run through the extraction protocol, thereby addressing the effects of the extraction process itself.

Spiking amounts indicate at what level the recovery % was calculated. The lower level is what was expected to top be found in a real sample and slightly higher than the LOQ. The higher spike amount is typically ~10x the LOQ.

All Samples are run against a 10-point standard curve to ensure that the GC/MS/MS is reporting standards and samples accurately. Characteristic accuracy for Bifenthrin R<sup>2</sup> was ~0.999