

I did a mock run by spiking honey blank at 25, 50, 100, and 500 ng/g and the recovery data is below

	AMPA	glufosinate	glyphosate
Honey 25 ppb	93.9	95.9	93.6
Honey 50 ppb	102	98.1	99.3
Honey 100 ppb	104	98.9	100
Honey 500 ppb	99.2	105	97.1

One of the issue I found is that it is difficult to find blank honey that does not contain residue. I collect about 10 samples of honey in the market and they all contain glyphosate. Below are the example of some honey sample injected along with reagent blank and standard 5 ng/mL (25 ng/g). I picked the organic mountain honey for the spike experiment because it contains the lowest concentration of incurred glyphosate.

