HPLC Application

Detection:

Analyst Note:

LC-MS/MS Pesticides (simazine)- No Filter in Chili Exacts for the comparison of with/without Filter Vial

C - I		- 2 C10 100	8 10 0 1	1 5 0 2 0	- -
Column:	Luna® Omega 3 µm C18 100 Å, LC Column 150 x 3.0 mm, Ea				
Dimensions:	150 x 3 mm ID				
Order No:	00F-4784-Y0				
Elution Type:	Gradient				
Eluent A:	0.1% Formic Acid and 10mM Ammonium Acetate in water				
Eluent B:	0.5% Formic Acid in Methanol				
Gradient	Step No.	Time (min)	Pct A	Pct B	
Profile:	1	0	95	5	
	2	0.1	95	5	
	3	0.5	40	60	
	4	3.5	25	75	
	5	8	15	85	
	6	10.5	5	95	
	7	12	5	95	
	8	12.1	95	5	
	9	18	95	5	
Flow Rate:	0.4 mL/min				
Col. Temp.:	20 °C				
-					

a) Prepared 10mg/mL simazine solutions with other 17 pesticide standards

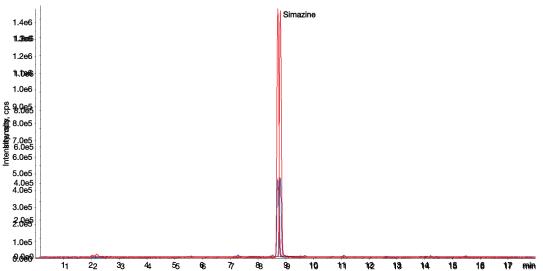
LC/MS/MS @ (ambient)



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b) Take sample to prepare a 10x Diluted mixture by placing 100uL of the existing mix into a 900uL of a 1:2 Water: Acetonitrile mix. c) Place 30uL of the 10x diluted mixture into 270 uL of the chili powder supernatant for final analysis.



ANALYTES:

- 1 simazine
 - Retention Time: 8.56 min
- 2 simazine Retention Time: 8.56 min

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