HPLC Application

ID No.: 26528

Gradient **Profile:**



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

Luna® Omega 3 μ m 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

Step No.	Time (min)	Pct A	Pct B
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



Products used in this application:



Flow Rate: 0.4 mL/min

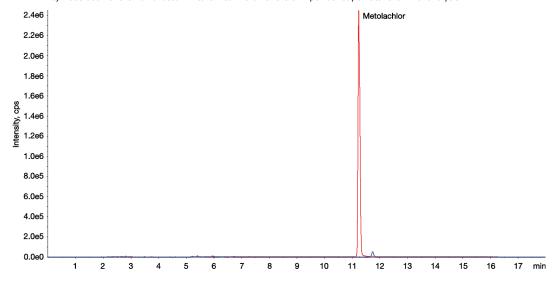
20 °C Col. Temp.:

Detection: LC/MS/MS @ (ambient)

Analyst Note: a) Prepared 1mg/mL Metolachlor solutions with other 17 pesticide standards

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:

Metolachlor

Retention Time: 11.58 min

Metolachlor

Retention Time: 11.58 min

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