

## LC-MS/MS Pesticides ( simazine ) - No Filter in Cumin Extracts for the comparison of with/without Filter Vial

**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 Profile: | 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     |

**Flow Rate:** 0.4 mL/min

**Col. Temp.:** 20 °C

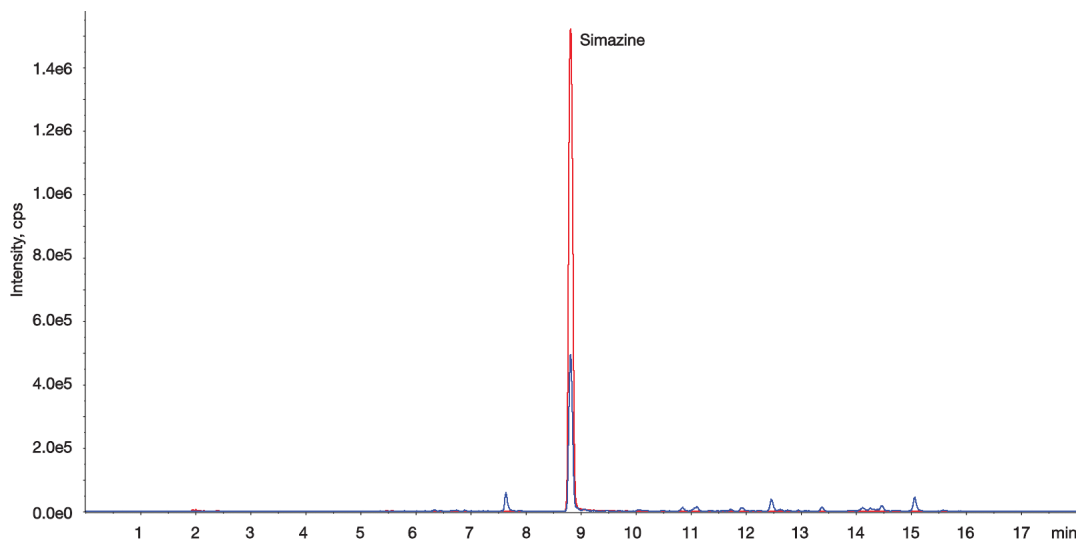
**Detection:** LC/MS/MS @ (ambient)

**Analyst Note:**

- Prepared 10mg/mL simazine solutions with other 17 pesticide standards
- 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.
- Place 30uL of the 10x diluted mixture into 270 uL of the cumin powder supernatant for final analysis.



Products used in this application:



### ANALYTES:

- simazine  
Retention Time: 8.56 min
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Retention Time: 8.56 min

