

## Quechers(AOAC-LCMS) - Spinach extract using Luna 3u C18(2) 150x3.0mm

**Column:** Luna® 3 µm C18(2) 100 Å, LC Column 150 x 3 mm, Ea

**Dimensions:** 150 x 3 mm ID

**Order No:** 00F-4251-Y0

**Elution Type:** Gradient

**Eluent A:** 5mM Formic Acid (no pH adjustment)

**Eluent B:** Methanol with 5mM Formic Acid

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 75    | 25    |
|                   | 2        | 15         | 10    | 90    |
|                   | 3        | 30         | 10    | 90    |
|                   | 4        | 30.01      | 75    | 25    |
|                   | 5        | 43         | 75    | 25    |

**Flow Rate:** 0.3 mL/min

**Col. Temp.:** ambient

**Detection:** Tandem Mass Spec (MS-MS) @ (ambient)

**Detector Info:** <a target="\_blank" href="https://sciex.com/products/mass-spectrometers?utm\_campaign=2019%20application%20search&utm\_source=phenomenex&utm\_medium=referral">SCIEX</a>  
Parameter Table(Period 1 Experiment 1)

|      |         |
|------|---------|
| CAD: | 5.00    |
| CUR: | 20.00   |
| GS1: | 55.00   |
| GS2: | 50.00   |
| IS:  | 4000.00 |
| TEM: | 550.00  |
| ihe: | ON      |
| EP   | 10.00   |

mrm transitions and parameters

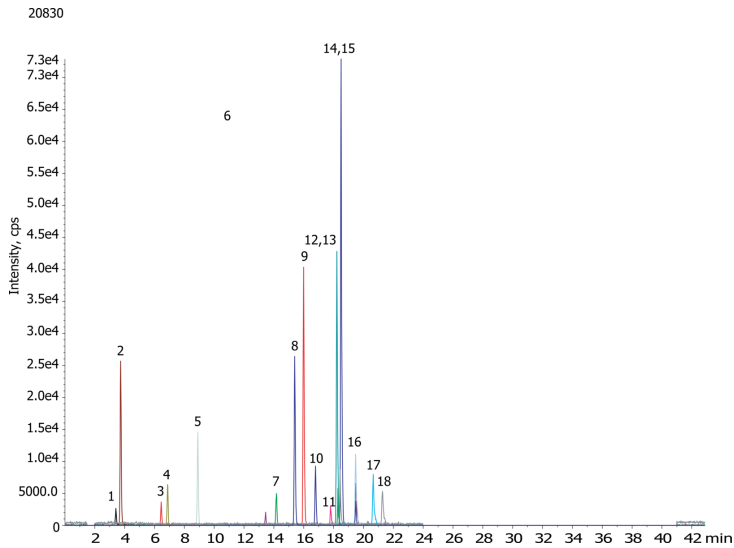
| Analyte             | Parent Q1 | Daughter Q3 | Dwell Time | DP  | EP | CE | CXP |
|---------------------|-----------|-------------|------------|-----|----|----|-----|
| Atrazine            | 216       | 174         | 50         | 66  | 10 | 25 | 18  |
| Azoxystrobin        | 404       | 372         | 50         | 51  | 10 | 19 | 10  |
| Carbaryl            | 202       | 145         | 50         | 46  | 10 | 15 | 14  |
| Chlorpyrifos        | 352       | 200         | 50         | 56  | 10 | 31 | 12  |
| Chlorpyrifos-methyl | 322       | 125         | 50         | 46  | 10 | 29 | 24  |
| Cyprodinil          | 226       | 108         | 50         | 46  | 10 | 35 | 10  |
| d10-Parathion       | 302       | 238         | 50         | 51  | 10 | 23 | 8   |
| Dichlorvos          | 221       | 127         | 50         | 101 | 10 | 23 | 12  |
| Ethion              | 385       | 199         | 50         | 41  | 10 | 15 | 14  |
| Imazalil            | 297       | 159         | 50         | 66  | 10 | 29 | 16  |
| Imidacloprid        | 256       | 209         | 50         | 46  | 10 | 21 | 20  |
| Kresoxim-methyl     | 314       | 222         | 50         | 41  | 10 | 17 | 8   |
| Linuron             | 249       | 160         | 50         | 56  | 10 | 35 | 16  |
| Methamidophos       | 142       | 94          | 50         | 61  | 10 | 21 | 8   |
| Methomyl            | 163       | 88          | 50         | 46  | 10 | 13 | 8   |
| Pymetrozine         | 218       | 105         | 50         | 56  | 10 | 29 | 10  |
| Tebuconazole        | 308       | 70          | 50         | 36  | 10 | 35 | 6   |
| Thiabendazole       | 202       | 175         | 50         | 51  | 10 | 35 | 18  |
| Tolyfluanid         | 347       | 238         | 50         | 46  | 10 | 13 | 8   |
| Triphenylphosphat   | 227       | 77          | 50         | 106 | 10 | 47 | 8   |



Products used in this application:



## Quechers(AOAC-LCMS) - Spinach extract using Luna 3u C18(2) 150x3.0mm



## Quechers(AOAC-LCMS) - Spinach extract using Luna 3u C18(2) 150x3.0mm

### ANALYTES:

- 1** Pymetrozine
- 2** Methamidophos
- 3** Thiabendazole
- 4** Methomyl
- 5** Imidacloprid
- 6** Imazalil
- 7** Carbaryl
- 8** Atrazine
- 9** Azoxystrobin
- 10** Linuron
- 11** Cyprodinil
- 12** Parathion-d10
- 13** Kresoxim-methyl
- 14** Triphenyl phosphate
- 15** Tebuconazole
- 16** Chlorpyrifos-methyl
- 17** Ethion
- 18** Chlorpyrifos

