

40 Pesticides out of a multi-target screening method for 300 compounds

Column: Synergi™ 4 µm Fusion-RP 80 Å, LC Column 50 x 2 mm, Ea

Dimensions: 50 x 2 mm ID

Order No: 00B-4424-B0

Elution Type: Gradient

Eluent A: H2O + 5mM NH4formate

Eluent B: CH3OH + 5mM NH4formate

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	80	20
	2	11	10	90
	3	23	10	90

Flow Rate: 0.2 mL/min

Col. Temp.: 20 °C

Detection: Mass Spectrometer (MS) @ amu (ambient)

Detector Info:

<a target="_blank"

href="https://sciex.com/products/mass-spectrometers?utm_campaign=2019%20application%20search&utm_source=phenomenex&utm_medium=referral">SCIE<

TEM = 450°C, IS = 5000V, Declustering Potential (DP) = 30V,

Collision Energy (CE) = optimized for each compound

Positive polarity, Multiple Reaction Monitoring of 297 transitions

(MRMs of example see table)

Information Dependent Acquisition (IDA) Subtraction Product Ion

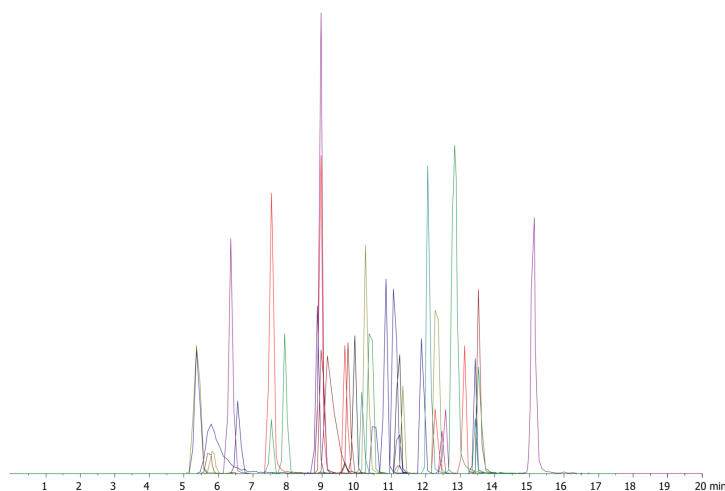
spectra to confirm peak identification. Resolution = 20,000 and 50V.

SecurityGuard™ Guard Cartridge System extends column lifetime.

Analyst Note:

- SecurityGuard Cartridges, Fusion-RP 4 x 2.0mm, 10/Pk Part No.: AJ0-7556

- Holder Part No.: KJ0-4282



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ANALYTES:

- | | |
|--|--------------------------------|
| 1 Ethiofencarb-sulfone | 41 Ethiofencarb-sulfone |
| 2 Ethiofencarb-sulfoxide | |
| 3 Imidacloprid | |
| 4 Cinosulfurone | |
| 5 Propamocarb | |
| 6 Vamidothion | |
| 7 Dimethoate | |
| 8 Carbendazim | |
| 9 Thiacloprid | |
| 10 Desmethyl-pirimicarb | |
| 11 Propoxur | |
| 12 Carbofuran | |
| 13 Desmethyl-formamido-pirimicarb | |
| 14 Thiophanate-methyl | |
| 15 Thiabendazole | |
| 16 Ethiofencarb | |
| 17 Pirimicarb | |
| 18 Thiodicarb | |
| 19 Atrazine | |
| 20 Metalaxyl | |
| 21 3,4,5 Trimethacarb | |
| 22 Diuron | |
| 23 Desmedipham | |
| 24 Azoxystrobin | |
| 25 Linuron | |
| 26 Methiocarb | |
| 27 Promecarb | |
| 28 Iprovalicarb | |
| 29 Metolachlor | |
| 30 Diflubenzurone | |
| 31 Tebufenozide | |
| 32 Tebuconazole | |
| 33 Cyprodinil | |
| 34 Spiroxamine | |
| 35 Haloxyfop-methyl | |
| 36 Haloxyfop-etotyl | |
| 37 Quizalofop-ethyl | |
| 38 Fluazifop-P-butyl | |
| 39 Furathiocarb | |
| 40 Fenpropimorph | |

