

Quantification of Organophosphorus Pesticides by QuEChERS and LC/MS/MS

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: Add 5mL of 1M ammonium formate to 1L Water

Eluent B: Add 5mL of 1M ammonium formate to 1L Methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	-5	95	5
	2	0	95	5
	3	2	95	5
	4	6	50	50
	5	12	10	90
	6	14	10	90
	7	16	95	5
	8	17	95	5



Flow Rate: 250 mL/min

Col. Temp.: 25 °C

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

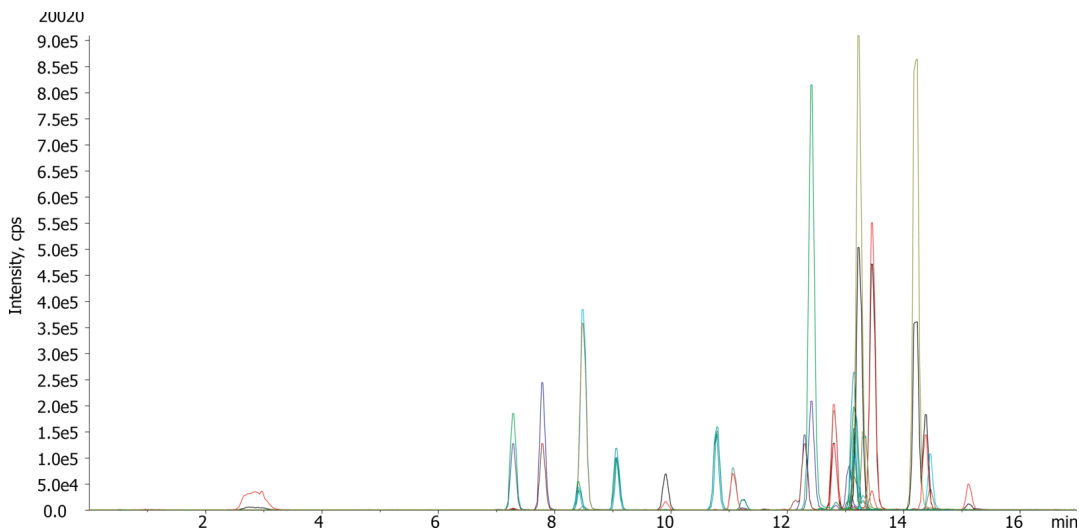
Detector Info: <a target="_blank"

href="https://sciex.com/products/mass-spectrometers?utm_campaign=2019%20application%20search&utm_source=phenomenex&utm_medium=referral">SCIEX
SecurityGuard™ Guard Cartridge System extends column lifetime.

Analyst Note:

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

- Holder Part No.: KJ0-4282



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ANALYTES:

1 Acephate	41 Diazinon
2 Acephate	42 Diazinon
3 Demeton-S-methyl sulfone	43 Fenthion
4 Demeton-S-methyl sulfone	44 Fenthion
5 Parathion-methyl	45 Coumaphos
6 Parathion-methyl	46 Coumaphos
7 Dicrotophos	47 Phorate
8 Dicrotophos	48 Phorate
9 Demeton-S-methyl	49 Pirimiphos-methyl
10 Demeton-S-methyl	50 Pirimiphos-methyl
11 Dimethoate	51 Pirimiphos-ethyl
12 Dimethoate	52 Pirimiphos-ethyl
13 Mevinphos	53 Sulprofos
14 Mevinphos	54 Sulprofos
15 Dichlorvos	55 Chlorpyrifos
16 Dichlorvos	56 Chlorpyrifos
17 Phorate sulfoxide	57 Tokuthion
18 Phorate sulfoxide	58 Tokuthion
19 Famphur	
20 Famphur	
21 Naled	
22 Naled	
23 Azinphos-methyl	
24 Azinphos-methyl	
25 Malathion	
26 Malathion	
27 Triazophos	
28 Triazophos	
29 Azinphos-ethyl	
30 Azinphos-ethyl	
31 Tetrachlorvinphos	
32 Tetrachlorvinphos	
33 EPTC	
34 EPTC	
35 Chlorfenvinphos	
36 Chlorfenvinphos	
37 Parathion	
38 Parathion	
39 Sulfotep	
40 Sulfotep	

