

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

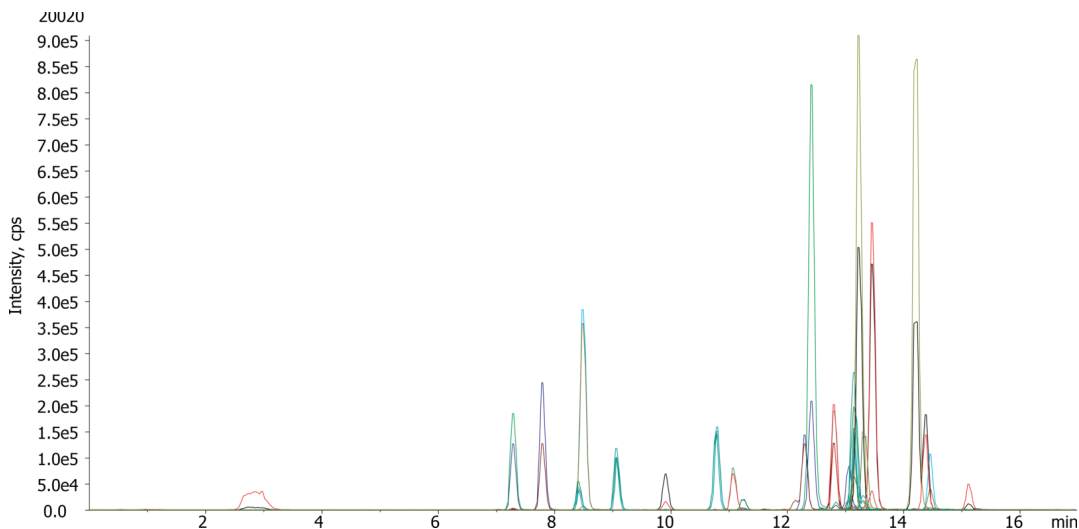
Col. Temp.: 25 °C

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<

Analyst Note: SecurityGuard™ Guard Cartridge System extends column lifetime.
 - 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		

