

Quantification of Carbamate 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: Water with 5mM ammonium formate

Eluent B: Methanol with 5mM ammonium formate

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	-5	80	20
	2	0	80	20
	3	8	10	90
	4	14	10	90
	5	15	80	20



Flow Rate: 250 µL/min

Col. Temp.: 25 °C

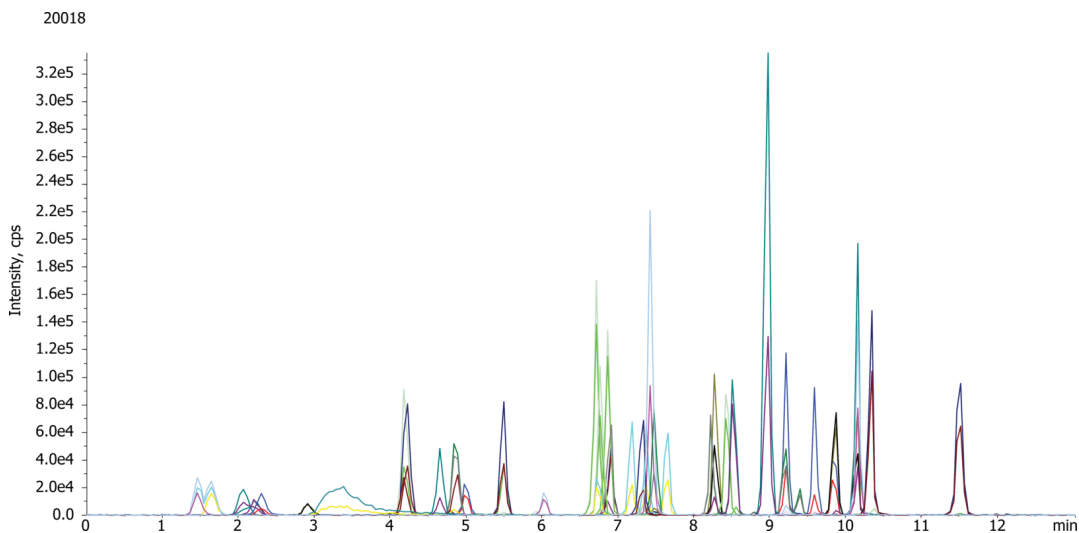
Detection: Tandem Mass Spec (MS-MS) @ (25 °C)

Detector Info: API 3200 or 3200 QTRAP

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 Butocarboxim-sulfoxide	41 Terbutcarb
2 Aldicarb-sulfoxide	42 Benfuracarb
3 Butoxycarboxim	43 Esprocarb
4 Aldicarb-sulfone	44 Furathiocarb
5 Oxamyl	45 Pyributicarb
6 Methomyl	46 Triallate
7 Propamocarb	47 Carbosulfan
8 Ethiofencarb-sulfone	
9 Ethiofencarb-sulfoxide	
10 Thiofanox-sulfone	
11 Dioxacarb	
12 3-Hydroxycarbofuran	
13 Methocarb-sulfone	
14 Butocarboxim	
15 Aldicarb	
16 Aminocarb	
17 Thiram	
18 Propoxur	
19 Bendiocarb	
20 Carbofuran	
21 Carbaryl	
22 XMC	
23 Ethiofencarb	
24 Primicarb	
25 Thiodicarb	
26 Thiofanox	
27 Isoproc carb	
28 Phenmedipham	
29 Fenobucarb	
30 Methiocarb	
31 Promecarb	
32 Chloroprotham	
33 Iprovalicarb	
34 EPTC (S-Ethyl N,N-dipropylthiocarbamate)	
35 Fenothiocarb	
36 Fenoxycarb	
37 Alanycarb	
38 Benomyl	
39 Thiobencarb	
40 Dimepiperate	

