

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

Column: Synergi[™] 4 μ m 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 μ L/min

Col. Temp.: 25 °C

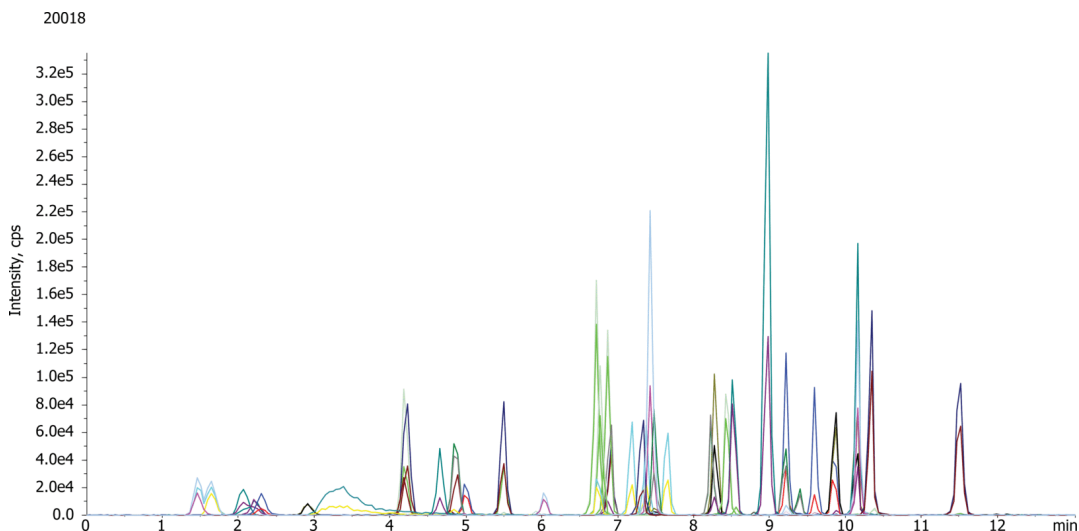
Detection: Tandem Mass Spec (MS-MS) @ (25 °C)

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	Terbucarb
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	Isoprocarb		
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		

