

Conditions

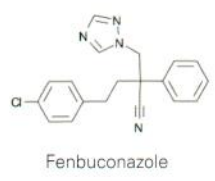
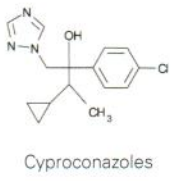
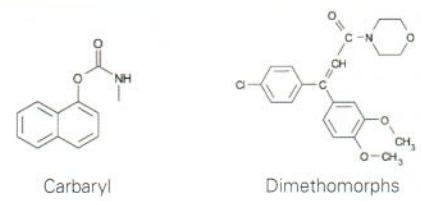
Column: ACE UltraCore 2.5 SuperC18
Dimensions: 50 x 2.1 mm
Part Number: CORE-25A-0502U
Mobile Phase: A: 0.1% formic acid + 5 mM ammonium formate in H₂O/MeOH (90:10 v/v)
 B: 0.1% formic acid + 5 mM ammonium formate in H₂O/MeOH (10:90 v/v)
Gradient:

Time (mins)	%B
0.00	0
1.00	0
15.00	100
18.00	100
18.05	0
20.00	0

Flow Rate: 0.4 mL/min
Injection: 20 µL
Temperature: 40 °C
Detection: Agilent 6420 Triple Quadrupole MS, +ve mode ESI, Dynamic MRM

Analytes

1. Carbaryl (*m/z* 202.10 → 145.10)
2. Dimethomorphs (*m/z* 388.10 → 301.10)
3. Cyproconazoles (*m/z* 292.10 → 70.00)
4. Fenbuconazole (*m/z* 337.10 → 70.00)



Also analysed under same conditions: Acephate, Acetamiprid, Aldicarb, Aldicarb sulfone, Aldicarb sulfoxide, Benomyl, Carbendazim, Carbofuran, Clorfentezine, Clothianidin, Cyfluthrin, Demeton S-methylsulfone, Demeton S-methylsulfoxide, Dicrotophos, Dimethoate, Dinotefuran, DMA, DMPF, Flubendiamide, Folpet, Formetanate, Hexaconazole, Hexaflumuron, Imidacloprid, Indoxacarb, Mandipropamid, Methamidophos, Methomyl, Monocrotophos, Nicotine, Omethoate, Oxamyl, Pencycuron, Prochloraz, Propargite, Thiabendazole, Thiacloprid, Thiamethoxam, Thiodicarb, Thiophanate methyl and Triflorine

Reproduced with permission of Kent Scientific Services

Pesticides in Water

Conditions

Column: ACE 3 C18
Dimensions: 150 x 2.1 mm
Part Number: ACE-111-1502
Mobile Phase: A: 0.1 M ammonium acetate in H₂O
 B: MeCN
Gradient:

Time (mins)	%B
0	10
40	80
47	90
49	10

Flow Rate: 0.3 mL/min
Injection: 25 µL
Temperature: 40 °C
Detection: UV, 220 nm (Pendimethalin at 245 nm)
Sample: 0.05 µg/L standards in MeCN/H₂O (10:90 v/v)

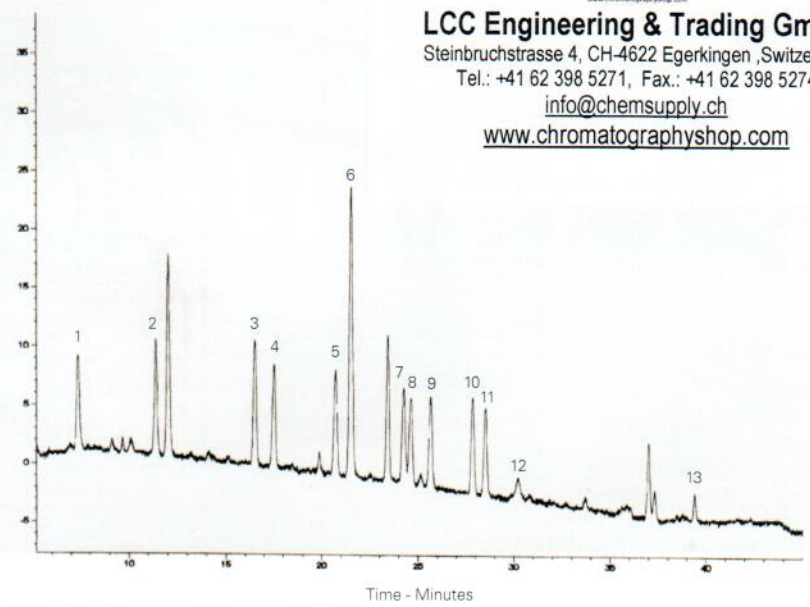
Analytes

1. Deisopropylatrazine
2. Desethylatrazine
3. Simazine
4. Cyanazine
5. Atrazine
6. Internal standard
7. Sebuthylazine
8. Propazine
9. Terbutylazine
10. Prometryn
11. Terbutryn
12. Alachlor
13. Pendimethalin

available from



LCC Engineering & Trading GmbH
 Steinbruchstrasse 4, CH-4622 Egerkingen, Switzerland
 Tel.: +41 62 398 5271, Fax.: +41 62 398 5274
info@chemsupply.ch
www.chromatographyshop.com



Reproduced with permission of Amt der Tiroler Landesregierung, Chemisch-technische Umweltschutzzanstadt, Innsbruck, Austria