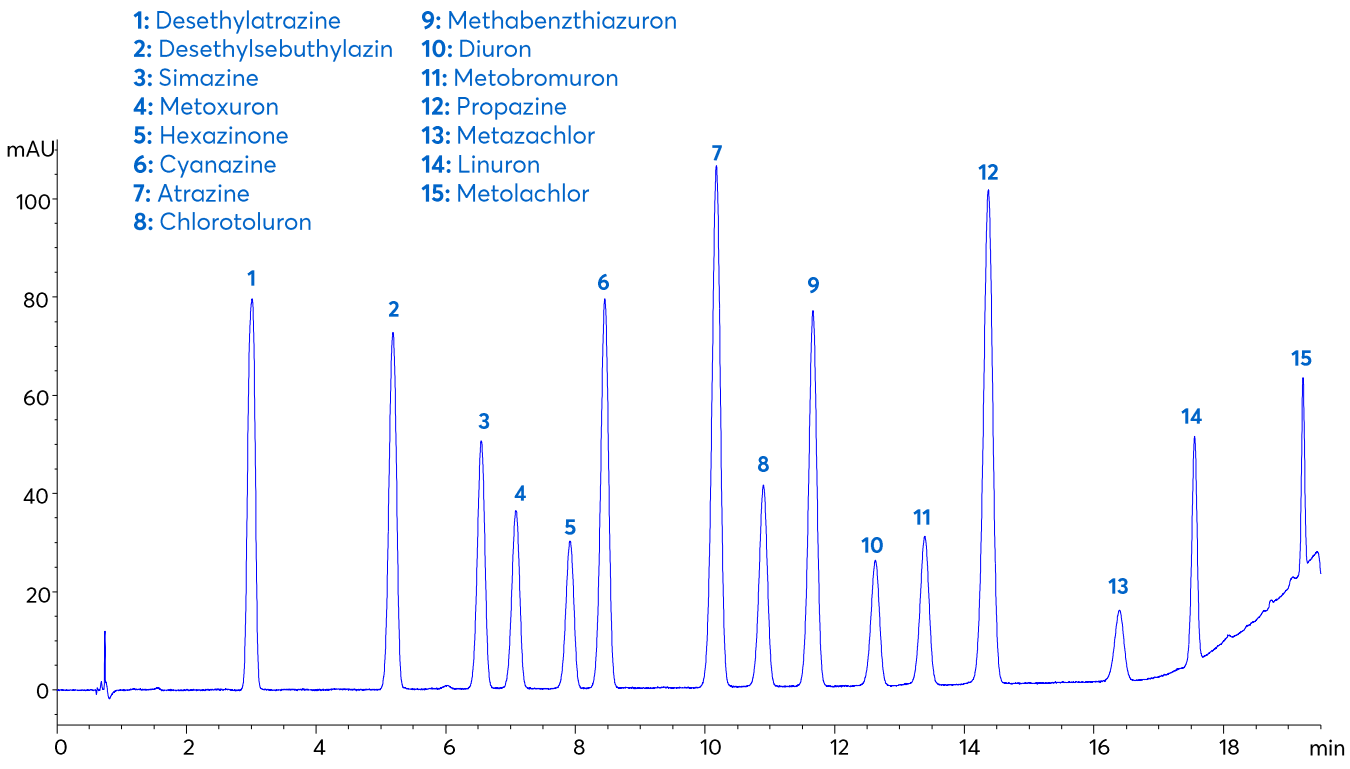
Chromatography Solutions

Application note #7230

Separation of Fifteen Pesticides



Avantor® ACE®

Method Details

CONDITIONS

Column: Avantor® ACE® UltraCore Biphenyl

Dimensions: 100 x 3.0 mm

Mobile Phases: A: 20 mM KH_2PO_4 pH 6.5 in H_2O

B: 20 mM KH_2PO_4 pH 6.5 in MeCN/H_2O 70:30 v/v

Gradient:

Time (mins)	%B
0	20
15	40
20	100
22	100
23	20
30	20

Flow Rate: 0.6 mL/min

Injection: 8 µL

Temperature: 40 °C

Detection: UV, 230 nm

System Dwell Volume: 550 µL

ORDERING TABLE

Product	Details	Size	Part number
Avantor® ACE® UltraCore Biphenyl	HPLC column	100 x 3.0 mm	CORE-35D-1030
Acetonitrile	VWR CHROMANORM® gradient grade	2.5 L	83639.320
Water	VWR CHROMANORM® gradient grade	2.5 L	83650.320
Potassium dihydrogen phosphate	VWR HiPerSolv CHROMANORM® for HPLC	500 g	153184U