

Application note # C-12996

Fast Separation of Pesticides using the Avantor® Hichrom HI-SE54 Phase

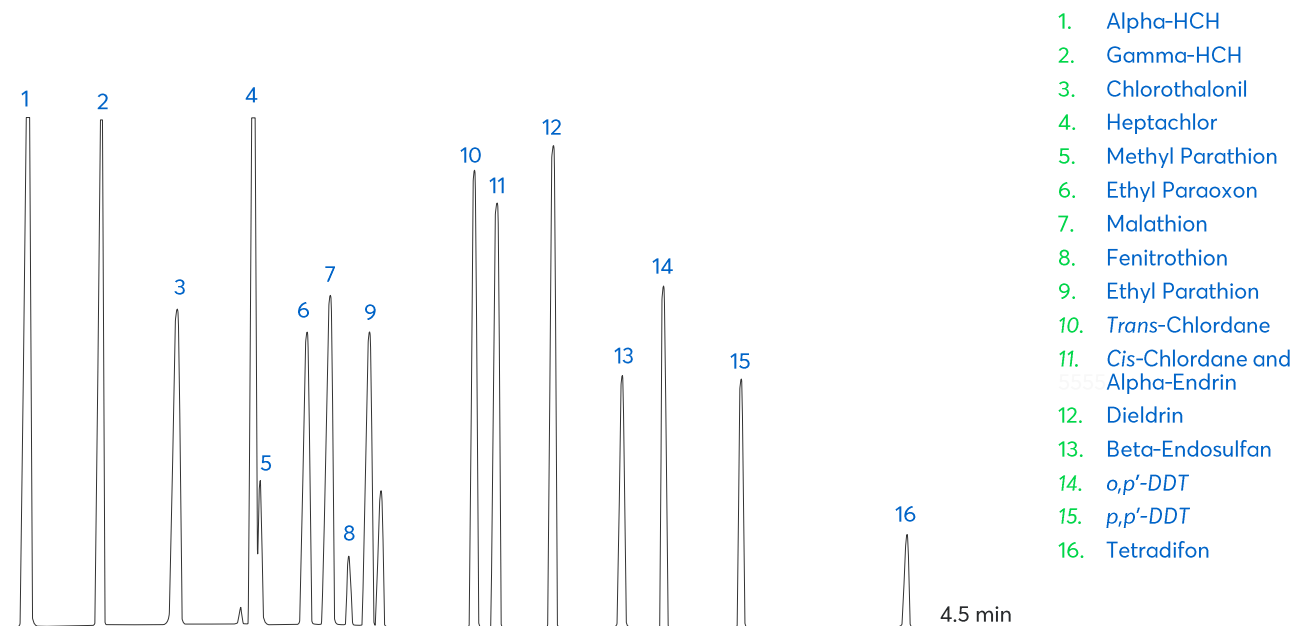


Figure 1: Fast pesticide separation using the Avantor® Hichrom HI-SE54 phase.

Method Details

CONDITIONS

Oven Program:	50 °C (0.1 min), 40 °C/min, 250 °C
Carrier Gas:	Hydrogen, 0.5mL/min
Injector:	Split 230 °C, 0.5 µL, 1:200 Split Ratio
Detector:	FID, 250 °C
Sample Dilution:	1% in Cyclohexane

The HI-SE54 is a low-polarity GC phase with a 5% phenyl, 1% vinyl, 94% methyl polysiloxane composition. It is well suited for the analysis of solvent impurities, PCBs, hydrocarbons, essential oils, semi-volatiles, allergens and pesticides.

ORDERING TABLE

Product	Details	Dimensions	Part Number
Avantor® Hichrom HI-SE54	FAST GC Column	0.10 mm, 0.10 µm, 5 m	HI05-10-010-5

Acknowledgement: Prof. C.Bicchi, C.Brunelli et al. Università di Torino, Dipartimento di Scienza e Tecnologia del Farmaco, Via Pietro Giuria, 9, Torino, Italy