

Application note # C-12984

Separation of 17 Organochlorine Pesticides using the Avantor® Hichrom HI-1701 Phase

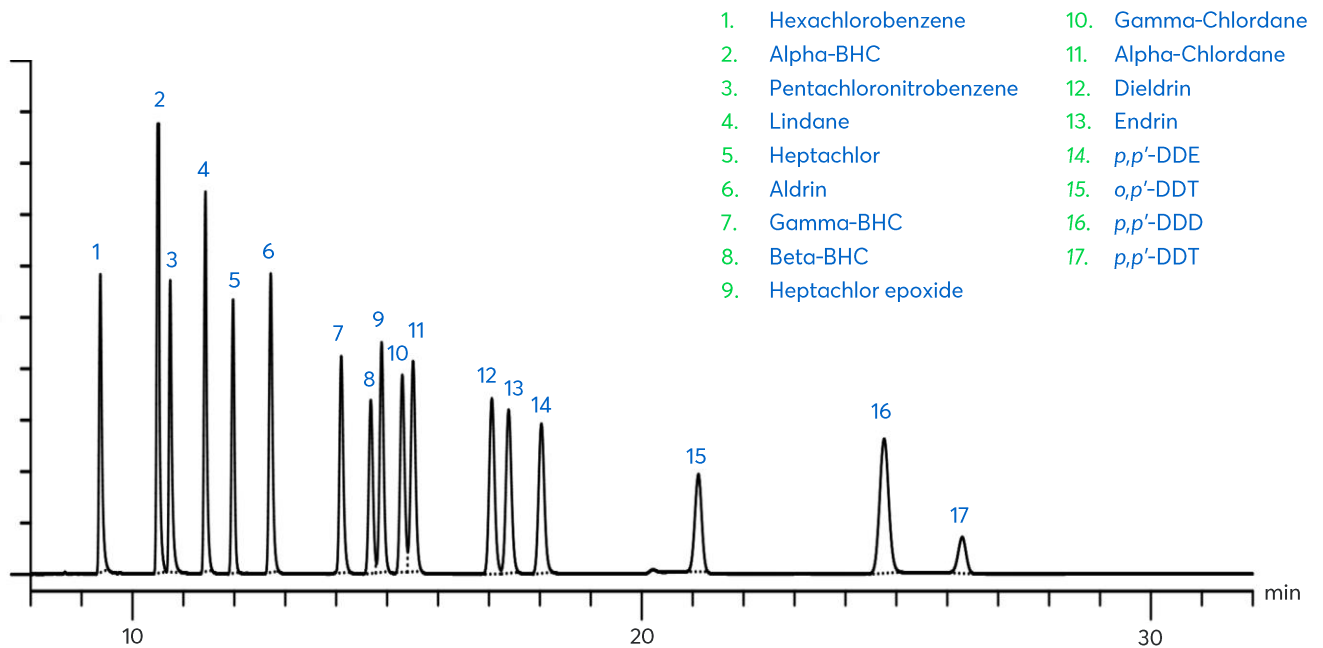


Figure 1: Separation of 17 organochlorine pesticides using the Avantor® Hichrom HI-1701 phase.

Method Details

CONDITIONS

Oven Program:	60 °C (0.5 min), 40 °C/min, 150 °C (3 min), 10 °C/min, 200 °C (15 min), 10 °C/min, 240 °C (3 min), 20 °C/min, 270 °C (3 min)
Carrier Gas:	1.5 mL/min, Helium
Injector:	Splitless, 230 °C
Detector:	ECD, 300 °C

The HI-1701 is a mid-polarity phase with a crossbonded 14% cyanopropylphenyl, 86% methyl polysiloxane composition. It is well suited for a variety of applications including pesticides, residual solvents, allergens and essential oils.

ORDERING TABLE

Product	Details	Dimensions	Part Number
Avantor® Hichrom HI-1701	GC Column	0.32 mm, 0.25 µm, 30 m	HI06-32-025-30