avantor™

Chromatography Solutions

Application note # C-13114

Quick Screening of the Aroclor 1254 PCB Mixture using the Avantor® Hichrom HI-SE54 Phase

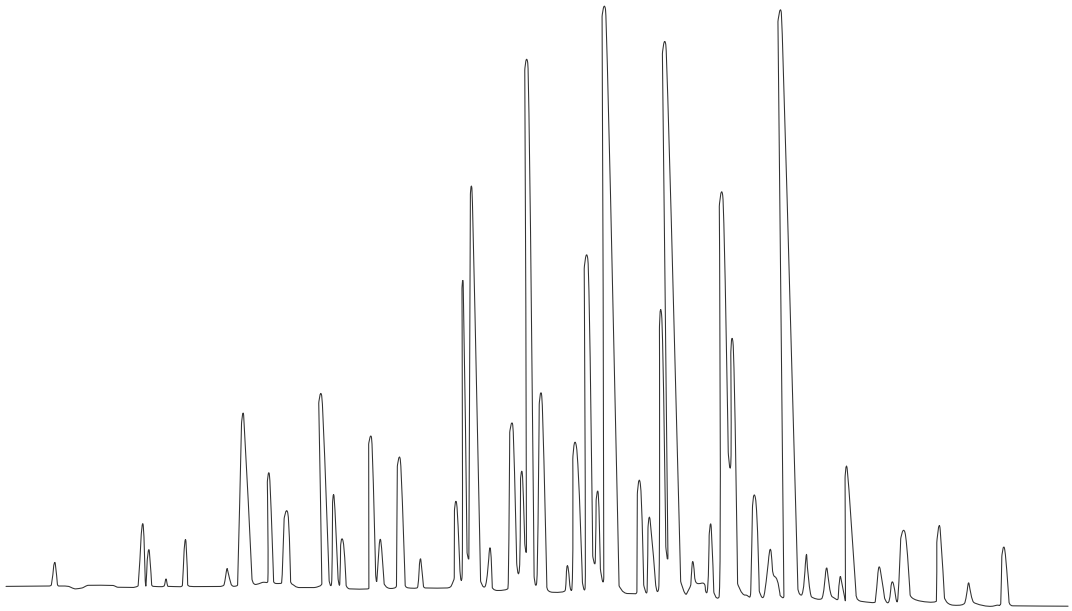

Figure 1: Quick screening of the Aroclor 1254 PCB mixture using the Avantor® Hichrom HI-SE54 phase.

Avantor®

avantor™ | authorized channel partner

Method Details

CONDITIONS

Oven Program:	100 °C, 3.5 °C/min, 250 °C
Carrier Gas:	Hydrogen, 70 kPa
Injector:	Split 250 °C, 1 µL, 1:30 split ratio
Detector:	ECD, 300 °C, Make up gas Argon/Methane
Sample Dilution:	1000 µg/mL in hexane

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	GC Column	0.32 mm, 0.25 µm, 30 m	HI05-32-025-30

Avantor®