

Application note # C-13154

Separation of Residual Solvents (Class 1 Mix) using the Avantor[®] Hichrom HI-624

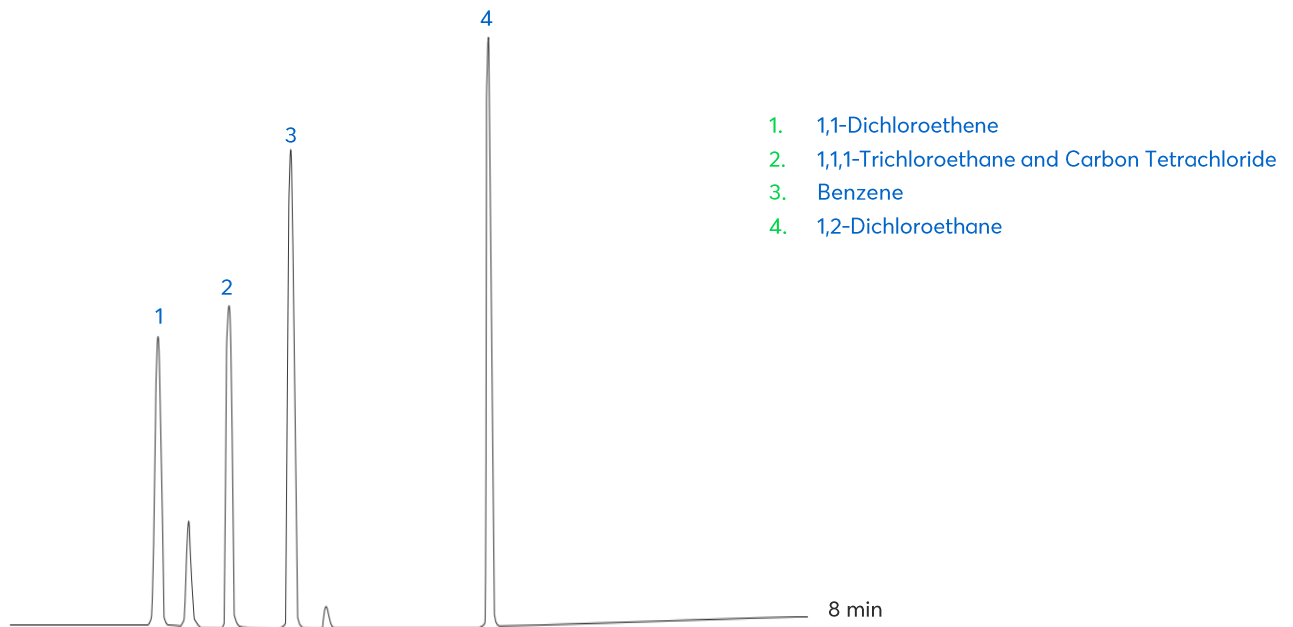


Figure 1: Separation of residual solvents (Class 1 Mix) using the Avantor[®] Hichrom HI-624 phase.

Method Details

CONDITIONS

Oven Program:	35 °C (5 min), 10 °C/min
Carrier Gas:	Helium, 100 kPa
Injector:	1 mL injection volume, headspace equilibration temperature 80°C, equilibration time 40 min, transfer line temperature 90 °C
Detector:	FID, 200 °C
Sample:	Residual Solvents Class 1 Mix standard solution, headspace sampling

The HI-624 is a versatile general-purpose column for a wide range of applications, including residual solvents and volatile organic compounds. It is a mid-polarity phase with a 6% cyanopropylphenyl, 94% methyl polysiloxane composition and is classified as USP G43.

ORDERING TABLE

Product	Details	Dimensions	Part Number
Avantor® Hichrom HI-624	GC Column	0.18 mm, 1.00 µm, 20 m	HI08-18-100-20