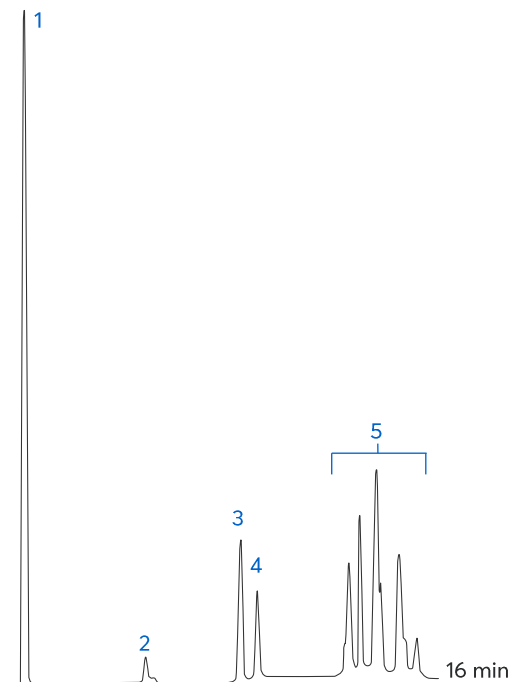


Application note # C-13030

Analysis of Alkyl Naphthalenes using the Avantor[®] Hichrom HI-5 Phase



1. m-Xylene
2. Naphthalene
3. 2-methylnaphthalene
4. 1-methylnaphthalene
5. Alkyl naphthalenes

Figure 1: Separation of Alkyl Naphthalenes using the Avantor[®] Hichrom HI-5 phase.

Method Details

CONDITIONS

Oven Program:	90 °C, 20 °C/min, 150 °C
Carrier Gas:	Helium, 4.5 mL/min
Injector:	Split, 250 °C, 1.0 µL
Detector:	FID, 250 °C

The HI-5 is a versatile general-purpose column with a low-polarity stationary phase with a 5% phenyl, 95% methyl polysiloxane composition. It is well suited to a variety of applications including pesticides, essential oils, PCBs, semi-volatiles, solvent impurities, phenols and many more.

ORDERING TABLE

Product	Details	Dimensions	Part Number
Avantor® Hichrom HI-5	GC Column	0.53 mm, 1.00 µm, 10 m	HI02-53-100-10