

# Application note # C-13023

## Separation of Solvents using the Avantor® Hichrom HI-WAX Phase

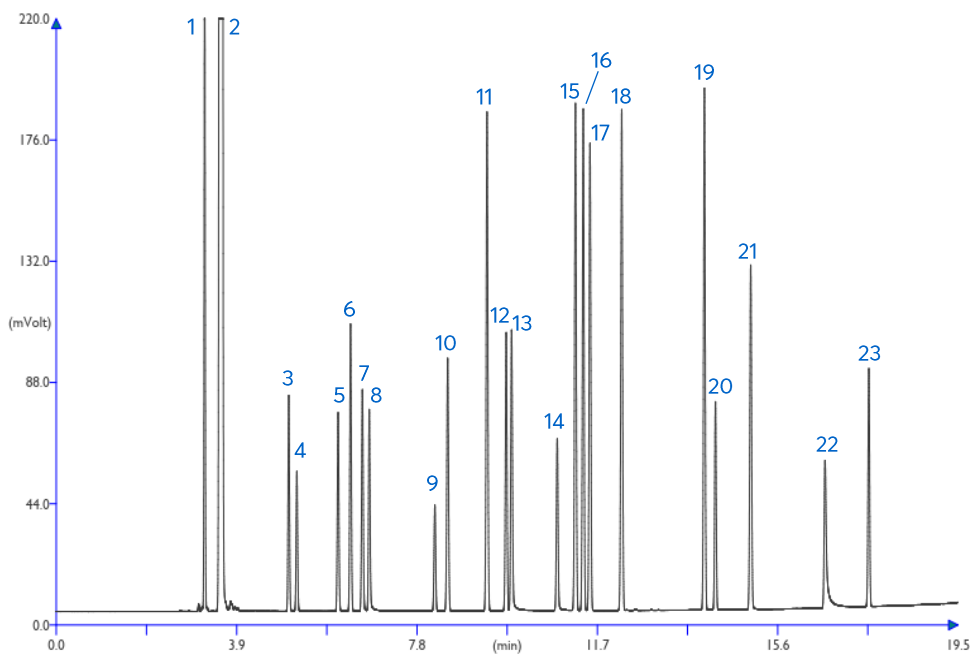


Figure 1: Separation of solvents using the Avantor® Hichrom HI-WAX phase.

# Method Details

## CONDITIONS

Oven Program:	40 °C, 8 °C/min, 200 °C
Carrier Gas:	Helium, 150 kPa
Injector:	Split 250 °C, 0.5 µL injection volume, 250 mL/min split flow
Detector:	FID, 250 °C

The HI-WAX is a high polarity polyethylene glycol (PEG) phase for a wide range of applications such as essential oils, flavours and fragrances, FAMEs, aromatic compounds and solvents.

## PEAK IDENTIFICATION

1. Hexane	10. Isobutyl acetate	19. Styrene
2. Iso-Octane	11. Toluene	20. 2-Ethoxyethyl acetate
3. Acetone	12. n-Butyl acetate	21. Cyclohexanone
4. Methyl acetate	13. Isobutanol	22. 2-Butoxyethanol
5. Ethyl acetate	14. 1-Methoxy-2-Propanol	23. 2-Butoxyethyl acetate
6. 2-Butanone (MEK)	15. Ethylbenzene	
7. 2-Propanol (Isopropanol)	16. m-Xylene	
8. Ethanol	17. p-Xylene	
9. Trichloroethylene	18. Isopropylbenzene	

## ORDERING TABLE

Product	Details	Dimensions	Part Number
Avantor® Hichrom HI-WAX	GC Column	0.32 mm, 1.00 µm, 60 m	HI09-32-100-60