Analysis of USP-467 Residual Solvents using Agilent J&W FactorFour VF-WAXms GC Columns

Application Note

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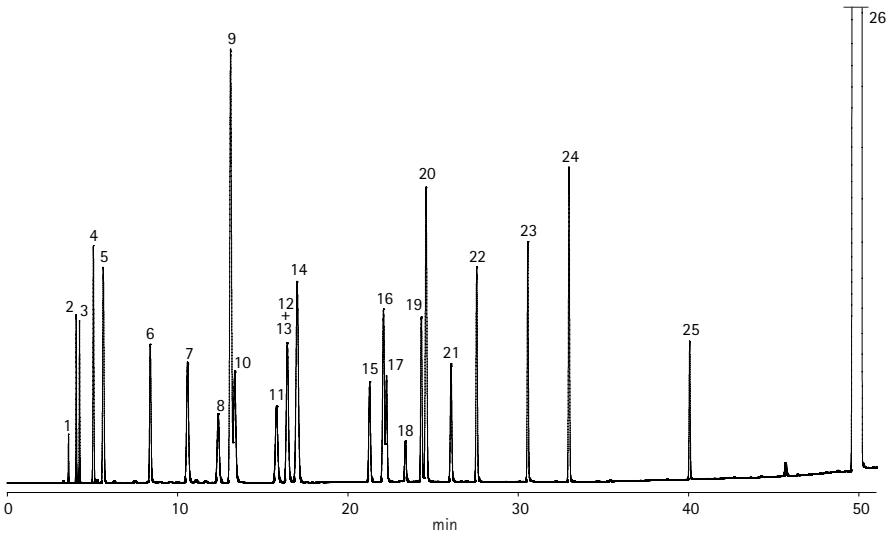
Peak Identification:

1. ***Pentane***
2. ***n-hexane***
3. ***Diethyl ether***
4. ***n-heptane***
5. ***Cyclohexane***
6. ***Acetone***
7. ***Tetrahydrofurane***
8. ***Ethylacetate***
9. ***Methanol***
10. ***Methyl ethyl ketone***
11. ***2-propanol***
12. ***Ethanol***
13. ***Dichloromethane***
14. ***Benzene***
15. ***Trichloroethylene***
16. ***Acetonitrile***
17. ***Methyl isobutyl ketone***
18. ***Chloroform***
19. ***1-propanol***
20. ***Toluene***
21. ***1,4-dioxane***
22. ***2-methyl-1-propanol***
23. ***1-butanol***
24. ***Pyridine***
25. ***N,N-dimethylformamide***
26. ***Dimethylsulfoxide***

Conditions

Technique:	GC-FID	Carrier Gas:	Helium, 1.2 bar
Column:	VF-WAXms 60 m x 0.32 mm df = 1.0 µm (part number CP9213)	Injector:	250 °C, split 75 mL/min
		Detector:	275 °C, FID
Temperature:	40 °C (15 min) to 220 °C with 4 °C/min	Sample Size:	0.1 µL
		Sample:	Solvent mixture, 0.1 % (DMSO)



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