

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

Application Note

Author

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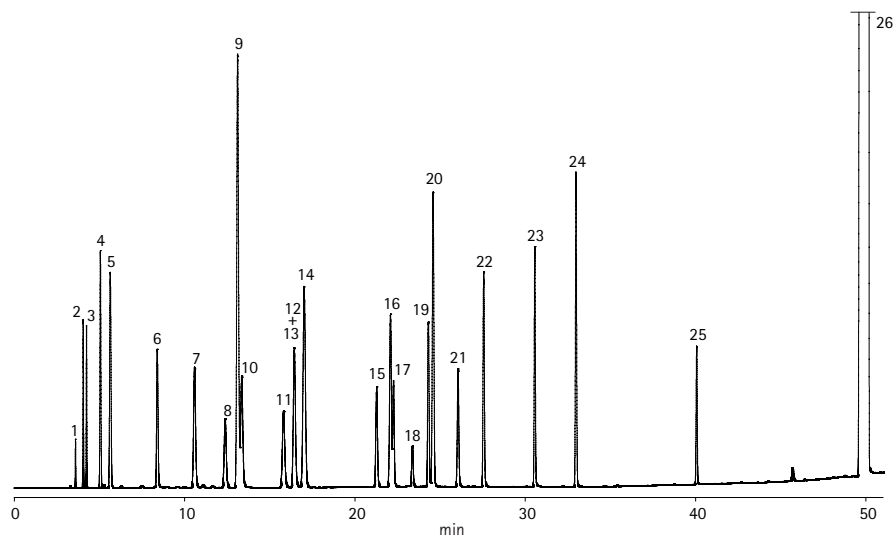
Conditions

Technique: GC-FID
Column: VF-WAXms 60 m x 0.32 mm df =
1.0 μ m (part number CP9213)
Temperature: 40 °C (15 min) to 220 °C with 4
°C/min

Carrier Gas: Helium, 1.2 bar
Injector: 250 °C, split 75 mL/min
Detector: 275 °C, FID
Sample Size: 0.1 μ L
Sample: Solvent mixture, 0.1 % (DMSO)

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



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