

Sample Gas Mixture Headspace of C₁-C₈ Hydrocarbons and Oxygenates

Column: DB-1
(Pre-column attached in front of GS-OxyPLOT)
25m x 0.53 mm I.D., 1.0 μm

Agilent P/N : 125-102J

GS-OxyPLOT
10m x 0.53 mm I.D.

Agilent P/N: 115-4912

Carrier: Helium (t_m = 0.96 min @ 50°C)

Oven: 50°C for 5 min
50°C to 240°C

Injector: Split

Detector: FID

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|---------------------------|-------------------------|
| 1. Dimethyl ether | 14. Isovaleraldehyde |
| 2. Diethyl ether | 15. Valeraldehyde |
| 3. Acealdehyde | 16. Methyl ethyl ketone |
| 4. Ethyl t-butyl ether | 17. Ethanol |
| 5. Methyl t-butyl ether | 18. n-Propanol |
| 6. Diisopropyl ether | 19. Isopropanol |
| 7. Propionaldehyde | 20. Allyl alcohol |
| 8. Tert-amyl methyl ether | 21. Isobutanol |
| 9. Propyl ether | 22. t-Butyl alcohol |
| 10. Isobutylaldehyde | 23. s-Butyl alcohol |
| 11. Butylaldehyde | 24. n-Butyl alcohol |
| 12. Methanol | 25. 2-Methyl-2-pentanol |
| 13. Acetone | |

