

Ketones - NIOSH Methods 1300 & 1301

Column: DB-1
30 m x 0.32 mm I.D., 3.0 μ m
J&W P/N: 123-1034
Carrier: Helium at 35 cm/sec, measured at 40°C
Oven: 40°C for 5 min
40-210°C at 10°/min
Injector: Split 1:100, 250°C
1 μ L of 5 μ g/ μ L standard in CS₂
Detector: FID, 300°C
Nitrogen makeup gas at 30 mL/min

1. Acetone
2. Methyl ethyl ketone (2-butanone; MEK)
3. 2-Pentanone
4. Methyl isobutyl ketone (4-methyl-2-pentanone; MIBK)
5. 2-Hexanone
6. Mesityl oxide (4-methyl-3-penten-2-one)
7. Ethyl butyl ketone (3-heptanone)
8. Diisobutyl ketone (2,6-dimethyl-4-heptanone)
9. Methylamylketone (2-heptanone)
10. Ethyl amyl ketone (5-methyl-3-heptanone)
11. Cyclohexanone
12. Camphor

