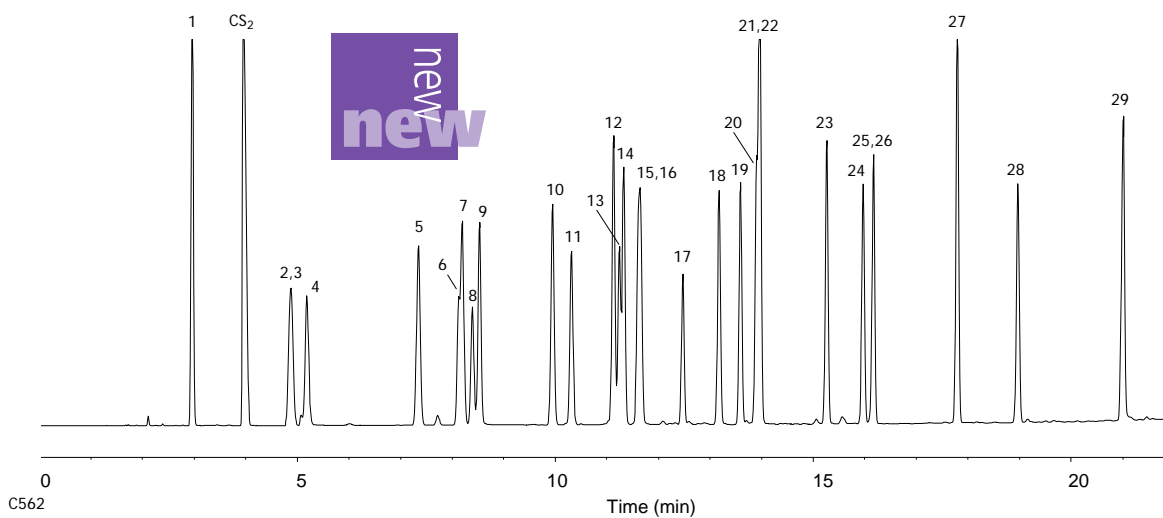


Ketones

Column: DB-PS1
30 m x 0.53 mm I.D., 3.0 µm
J&W P/N: 145-1034
Carrier: Helium at 30 cm/sec,
measured at 40°C
Oven: 40°C for 5 min
40-260°C at 10°/min
Injector: Split 1:10, 250°C
Detector: FID, 300°C
Nitrogen makeup gas
at 30 mL/min

- | | | |
|---|---|---|
| 1. Acetone | 10. 4-Methyl-2-pentanone
(MIBK; methyl isobutyl
ketone) | 20. 3-Heptanone |
| 2. 3-Penten-2-one
(methyl vinyl ketone) | 11. 2-Methyl-3-pentanone | 21. 2-Heptanone |
| 3. 2,3-Butanedione
diacetyl | 12. Cyclopentanone | 22. Cyclohexanone |
| 4. 2-Butanone
(MEK; methyl ethyl ketone) | 13. 3-Hexanone | 23. 5-Methyl-3-heptanone |
| 5. 3-Methyl-2-butanone | 14. 2-Hexanone | 24. 2,6-Dimethyl-4-heptanone
(diisobutyl ketone) |
| 6. 1-Penten-3-one
(ethyl vinyl ketone) | 15. 4-Methyl-3-penten-3-one | 25. 3-Octanone |
| 7. 2-Pentanone | 16. 2,4-Dimethyl-3-pentanone
(diisopropyl ketone) | 26. 2-Octanone |
| 8. 2,3-Pentanedione | 17. 4-Hexen-3-one | 27. Acetophenone |
| 9. 3-Pentanone | 18. 5-Methyl-2-hexanone | 28. Isophorone |
| | 19. 4-Heptanone | 29. 4-Phenyl-2-butanone
(benzyl acetone) |



C562