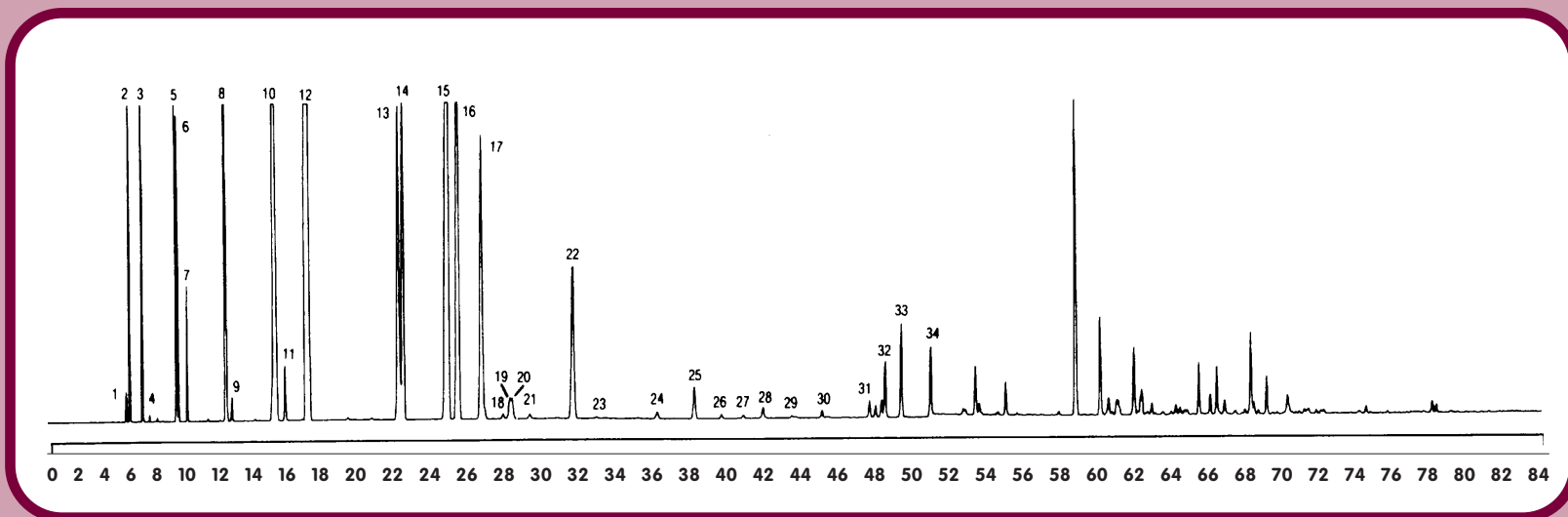




# GC CAPILLARY COLUMN APPLICATIONS: Petrochemical



## Reference Alkylate Standard

**COLUMN:** 007-1, Dimethylpolysiloxane  
50M. x 0.25mm I.D. x 0.5 $\mu$ m film  
Cat. No.: 007-1-50-0.5F

**Temperature:** 35° (30.0 min. hold) (2°/min.) - 200°C hold

**Injector:** 200°C

**Detector:** 250°C, FID

**Carrier Gas:** 20.3 cm/sec., Helium

- |                                   |  |  |
|-----------------------------------|--|--|
| 1. isobutane                      | trimethylpentane                           | 25. 2,3,5-trimethylhexane                      |
| 2. butane                         | 14. 2,4-dimethylhexane                     | 26. 2,4-dimethylheptane                        |
| 3. isopentane                     | 15. 2,3,4-trimethylpentane                 | 27. 2,6-dimethylheptane                        |
| 4. pentane                        | 16. 2,3,3-trimethylpentane                 | 28. 2,5-dimethylheptane                        |
| 5. 2,3-dimethylbutane             | 17. 2,3-dimethylhexane                     | 29. 2,3,4-trimethylhexane                      |
| 6. 2-methylpentane                | 18. 2-methylheptane                        | 30. 2,3-dimethylheptane                        |
| 7. 3-methylpentane                | 19. 4-methylheptane and 3,4-dimethylhexane | 31. 2,4,6-trimethylhexane                      |
| 8. 2,4-dimethylpentane            | 20. 3,4-dimethylhexane                     | 32. unidentified trimethylhexane               |
| 9. 2,2,3-trimethylbutane          | 21. 3-methylheptane                        | 33. unidentified trimethylhexane               |
| 10. 2,3-dimethylpentane           | 22. 2,2,5-trimethylhexane                  | 34. unidentified trimethylhexane stereoisomers |
| 11. 3-methylhexane                | 23. 2,2,4-trimethylhexane                  |  |
| 12. 2,2,4-trimethylpentane        | 24. 2,4,4-trimethylhexane                  |  |
| 13. 2,5-dimethylhexane and 2,2,3- |  |  |



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