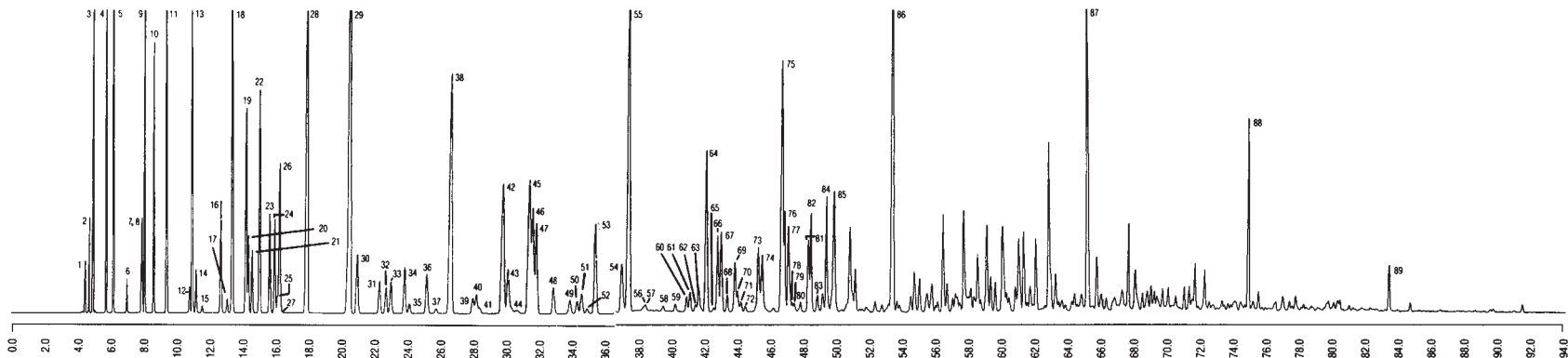




GC CAPILLARY COLUMN APPLICATIONS: Petrochemical



Reference Naphtha Standard

COLUMN: 007-1, Dimethylpolysiloxane
50M. x 0.25mm I.D.
x 0.5µm 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: 19.8 cm/sec., Helium

- | | | | |
|------------------------------------|---|---|---|
| 1. propane | 27. 2,2,4-trimethylpentane | 48. 1,1-dimethylcyclohexane | 68. unidentified C9 naphthene |
| 2. isobutane | 28. n-heptane | 49. trans-1,3-ethylmethylcyclopentane and 2,2,5-trimethylhexane | 69. 2,5-dimethylheptane |
| 3. n-butane | 29. methylcyclohexane and cis-1,2-dimethylcyclopentane | 50. cis-1,3-ethylmethylcyclopentane | 70. 3,3-dimethylheptane and 3,5-dimethylheptane |
| 4. isopentane | 30. 1,1,3-trimethylcyclopentane and 2,2-dimethylhexane | 51. trans-1,2-ethylmethylcyclopentane | 71. unidentified C9 naphthene |
| 5. n-pentane | 31. ethylcyclopentane | 52. 1,1-ethylmethylcyclopentane and 2,2,4-trimethylhexane | 72. unidentified C9 naphthene |
| 6. 2,2-dimethylbutane | 32. 2,5-dimethylhexane and 2,2,3-trimethylpentane | 53. trans-1,2-dimethylcyclohexane | 73. ethylbenzene |
| 7. cyclopentane | 33. 2,4-dimethylhexane | 54. trans-1,3-dimethylcyclohexane and cis-1,4-dimethylcyclohexane | 74. ethylbenzene |
| 8. 2,3-dimethylbutane | 34. 1-trans-2-cis-4-trimethylcyclopentane | 55. n-octane | 75. m-xylene |
| 9. 2-methylpentane | 35. 3,3-dimethylhexane | 56. isopropylcyclopentane and 2,4,4-trimethylhexane | 76. p-xylene |
| 10. 3-methylpentane | 36. 1-trans-2-cis-3-trimethylcyclopentane | 57. unidentified C9 naphthene | 77. 2,3-dimethylheptane |
| 11. n-hexane | 37. 2,3,4-trimethylpentane | 58. unidentified C9 naphthene | 78. 3,4-dimethylheptane |
| 12. 2,2-dimethylpentane | 38. toluene and 2,3,3-trimethylpentane | 59. cis-1,2-ethylmethylcyclopentane and 2,3,5-trimethylhexane | 79. 3,4-dimethylheptane |
| 13. methylcyclopentane | 39. 1,1,2-trimethylcyclopentane | 60. 2,2-dimethylheptane | 80. 4-ethylheptane |
| 14. 2,4-dimethylpentane | 40. 2,3-dimethylhexane | 61. cis-1,2-dimethylcyclohexane | 81. 2,3-dimethylheptane |
| 15. 2,2,3-trimethylbutane | 41. 2-methyl-3-ethylpentane | 62. 2,4-dimethylheptane | 82. 2,3-dimethylheptane |
| 16. benzene | 42. 2-methylheptane | 63. 4,4-dimethylheptane | 83. 2,3-dimethylheptane |
| 17. 3,3-dimethylpentane | 43. 4-methylheptane and 3-methyl-3-ethylpentane | 64. ethylcyclohexane and n-propylcyclopentane | 84. 2,3-dimethylheptane |
| 18. cyclohexane | 44. 3,4-dimethylhexane | 65. 2-methyl-4-ethylhexane | 85. o-xylene |
| 19. 2-methylhexane | 45. cis-1,3-dimethylcyclohexane | 66. 2,6-dimethylheptane | 86. n-nonane |
| 20. 2,3-dimethylpentane | 46. 3-methylheptane and 1-cis-2-trans-3-trimethylcyclopentane | 67. 1,1,3-trimethylcyclohexane | 87. n-decane |
| 21. 1,1-dimethylcyclopentane | 47. 3-ethylhexane and trans-1,4-dimethylcyclohexane | | 88. n-undecane |
| 22. 3-methylhexane | | | 89. n-dodecane stereoisomers |
| 23. cis-1,3-dimethylcyclopentane | | | |
| 24. trans-1,3-dimethylcyclopentane | | | |
| 25. 3-ethylpentane | | | |
| 26. trans-1,2-dimethylcyclopentane | | | |



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