

Unleaded Gasoline

Column: DB-Petro100
 100 m x 0.25 mm I.D., 0.5 µm
J&W P/N: 122-10A6
Carrier: Helium at 25.6 cm/sec
Oven: 0°C for 15 min
 0-50°C at 1°/min
 50-130°C at 2°/min
 130-180°C at 4°/min
Injector: 180°C for 20 min
 Split 1:300, 200°C
 1 µL of neat sample
Detector: FID, 250°C
 Nitrogen makeup gas
 at 30 mL/min

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|-----------------------|----------------------------|--------------------------------|
| 1. Methane | *11. Toluene | 21. Isopropylbenzene |
| 2. <i>n</i> -Butane | 12. 2,3,3-Trimethylpentane | 22. Propylbenzene |
| 3. Isopentane | 13. 2-Methylheptane | 23. 1,2,4-Trimethylbenzene |
| 4. <i>n</i> -Pentane | 14. 4-Methylheptane | 24. Isobutylbenzene |
| 5. <i>n</i> -Hexane | 15. <i>n</i> -Octane | 25. <i>sec</i> -Butylbenzene |
| 6. Methylcyclopentane | 16. Ethylbenzene | 26. <i>n</i> -Decane |
| 7. Benzene | **17. <i>m</i> -Xylene | 27. 1,2,3-Trimethylbenzene |
| 8. Cyclohexane | 18. <i>p</i> -Xylene | 28. Butylbenzene |
| 9. Isooctane | 19. <i>o</i> -Xylene | 29. <i>n</i> -Undecane |
| 10. <i>n</i> -Heptane | 20. <i>n</i> -Nonane | 30. 1,2,4,5-Tetramethylbenzene |
| | | 31. Naphthalene |
| | | 32. Dodecane |
| | | 33. Tridecane |

