

Aromatics

Column: DB-PSWAX

30 m x 0.53 mm I.D., 1.0 μm
J&W P/N: 145-7032
 Carrier: Helium at 30 cm/sec, measured at 40°C
 Oven: 40°C for 5 min
 40-230°C at 10°/min
 230°C for 7 min
 Injector: Split 1:10, 250°C
 Detector: FID, 300°C
 Nitrogen makeup gas at 30 mL/min

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|-------------------------------|---|--|
| 1. Benzene | 13. 2-Chlorotoluene | 24. <i>sec</i> -Butylbenzene |
| 2. Fluorobenzene | 14. 3-Chlorotoluene | 25. 1,2,3-Trimethylbenzene (hemimellitene) |
| 3. Toluene | 15. 4-Chlorotoluene | 26. 1,2-Dichlorobenzene |
| 4. Chlorobenzene | 16. 1,3,5-Trimethylbenzene (mesitylene) | 27. Iodobenzene |
| 5. Ethylbenzene | 17. α-Methylstyrene | 28. Styrene oxide (peak not shown) |
| 6. <i>m</i> -Xylene | 18. <i>tert</i> -Butylbenzene | 29. Butylbenzene |
| 7. <i>p</i> -Xylene | 19. 1,2,4-Trimethylbenzene (pseudocumene) | 30. 4-Chlorostyrene |
| 8. Styrene | 20. 4-Methylstyrene | 31. Nitrobenzene |
| 9. <i>o</i> -Xylene | 21. 1,3-Dichlorobenzene | 32. 4- <i>tert</i> -Butyltoluene |
| 10. Isopropylbenzene (cumene) | 22. 1,4-Dichlorobenzene | 33. 1,3,5-Trichlorobenzene |
| 11. Bromobenzene | 23. Isobutylbenzene | 34. 2-Nitrotoluene |
| 12. Propylbenzene | | 35. 1,3-Diisopropylbenzene |
| | | 36. 1,4-Diisopropylbenzene |
| | | 37. 1,2,4-Trichlorobenzene |
| | | 38. 3-Nitrotoluene |
| | | 39. 4-Nitrotoluene |
| | | 40. 1,2,3-Trichlorobenzene |
| | | 41. 1-Chloro-4-nitrobenzene |
| | | 42. 1,2,4,5-Tetrachlorobenzene |
| | | 43. Pentachlorobenzene |

