

## Aromatics - NIOSH Methods 1501 & 2005

**Column:** DB-WAX  
30 m x 0.32 mm I.D., 0.5 µm  
**J&W P/N:** 123-7033  
**Carrier:** Helium at 35 cm/sec, measured at 40°C  
**Oven:** 40°C for 5 min  
40-220°C at 10°/min  
**Injector:** Split 1:100, 250°C  
1 µL of 5 µg/µL standard in CS<sub>2</sub>  
**Detector:** FID, 300°C  
Nitrogen makeup gas at 30 mL/min

- |                     |                                 |                                  |
|---------------------|---------------------------------|----------------------------------|
| 1. Benzene          | 9. $\alpha$ -Methylstyrene      | 12. Nitrobenzene                 |
| 2. Toluene          | 10. <i>p-tert</i> -Butyltoluene | 13. Naphthalene                  |
| 3. Ethylbenzene     | 11. Vinyltoluene                | 14. <i>o</i> -Nitrotoluene       |
| 4. <i>p</i> -Xylene |                                 | 15. <i>m</i> -Nitrotoluene       |
| 5. <i>m</i> -Xylene |                                 | 16. <i>p</i> -Nitrotoluene       |
| 6. Cumene           |                                 | 17. <i>p</i> -Nitrochlorobenzene |
| 7. <i>o</i> -Xylene |                                 |                                  |
| 8. Styrene          |                                 |                                  |

