

Application note # C-13062

Separation of PAHs using the Avantor[®] Hichrom HI-PAH Phase (EPA Method 610/8100)

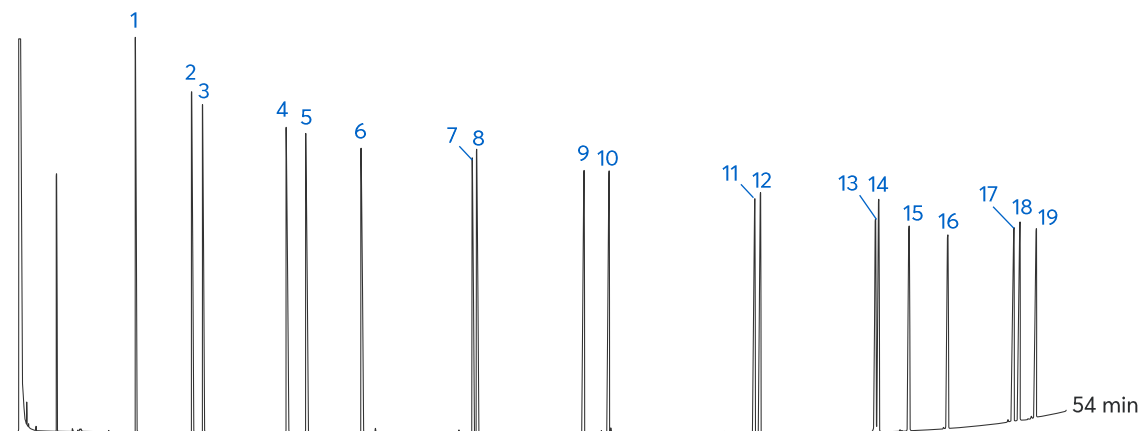


Figure 1: Separation of polynuclear aromatic hydrocarbons (PAHs) using the Avantor[®] Hichrom HI-PAH column (EPA Method 610/8100).

Method Details

CONDITIONS

Oven Program:	70 °C, 4 °C/min, 310 °C
Carrier Gas:	Hydrogen, 70 kPa
Injector:	On-Column
Detector:	FID, 315 °C

Always check the latest and official method information from the EPA prior to analysis.

The HI-PAH is an application specific phase designed for the analysis of polycyclic aromatic hydrocarbons (PAHs).

PEAK IDENTIFICATION

- | | | |
|------------------------|--------------------------|----------------------------|
| 1. Naphthalene | 8. Anthracene | 15. Benzo(a)pyrene |
| 2. 1-methylnaphthalene | 9. Fluoranthene | 16. 3-methylcholanthrene |
| 3. 2-methylnaphthalene | 10. Pyrene | 17. Indeno(1,2,3-cd)pyrene |
| 4. Acenaphthylene | 11. Benzo(a)anthracene | 18. Dibenzo(a,h)anthracene |
| 5. Acenaphthene | 12. Chrysene | 19. Benzo(ghi)perylene |
| 6. Fluorene | 13. Benzo(b)fluoranthene | |
| 7. Phenanthrene | 14. Benzo(k)fluoranthene | |

ORDERING TABLE

Product	Details	Dimensions	Part Number
Avantor® Hichrom HI-PAH	GC Column	0.25 mm, 0.25 µm, 30 m	HI48-25-025-30