

Application note # C-13062

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

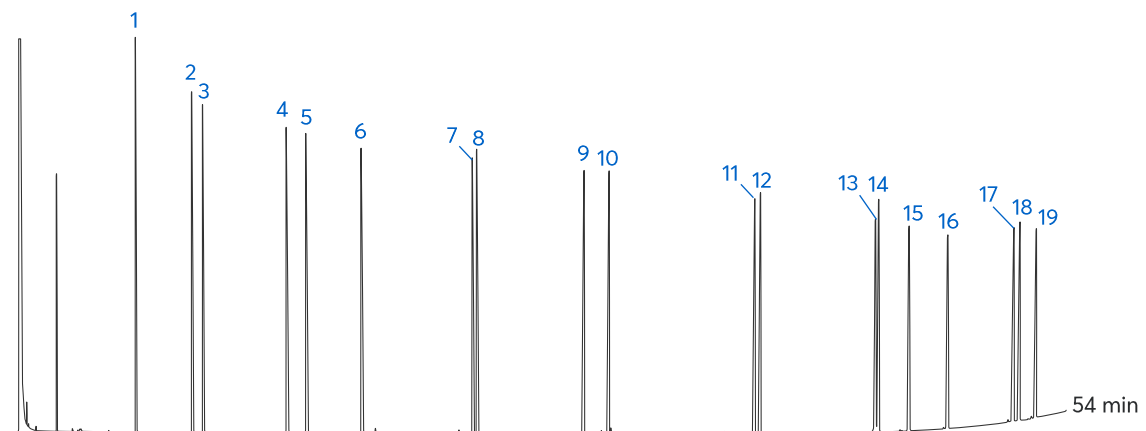


Figure 1: Separation of polycyclic aromatic hydrocarbons (PAHs) using the HI-PAH column (EPA Method 610/8100).

Method Details

CONDITIONS

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

The HI-PAH is a unique application specific phase developed for the analysis of polycyclic aromatic hydrocarbons.

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