

# Polynuclear Aromatic Hydrocarbons

## US EPA Method 610

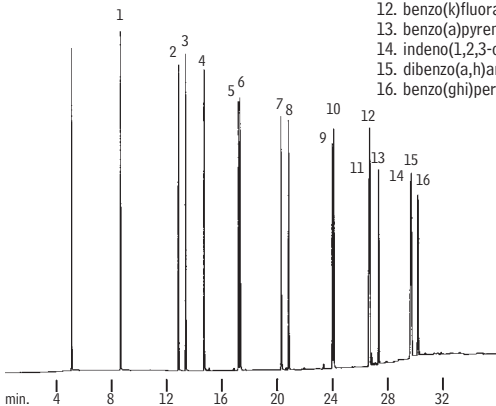
### Rtx<sup>®</sup>-5

30m, 0.32mm ID, 0.25 $\mu$ m Rtx<sup>®</sup>-5 (cat.# 10224)  
0.5 $\mu$ L cold on-column injection of PAHs.  
Concentration approximately 10ng per component.

Oven temp.: 35°C (hold 4 min.) to 325°C  
@ 10°C/min. (hold)  
Det. temp.: 325°C  
Carrier gas: hydrogen  
Linear velocity: 40cm/sec.  
FID sensitivity: 8 x 10<sup>-11</sup> AFS

Reference Standard  
SV Calibration Mix #5 (cat.# 31011):

1. naphthalene
2. acenaphthylene
3. acenaphthene
4. fluorene
5. phenanthrene
6. anthracene
7. fluoranthene
8. pyrene
9. benzo(a)anthracene
10. chrysene
11. benzo(b)fluoranthene
12. benzo(k)fluoranthene
13. benzo(a)pyrene
14. indeno(1,2,3-cd)pyrene
15. dibenzo(a,h)anthracene
16. benzo(ghi)perylene



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