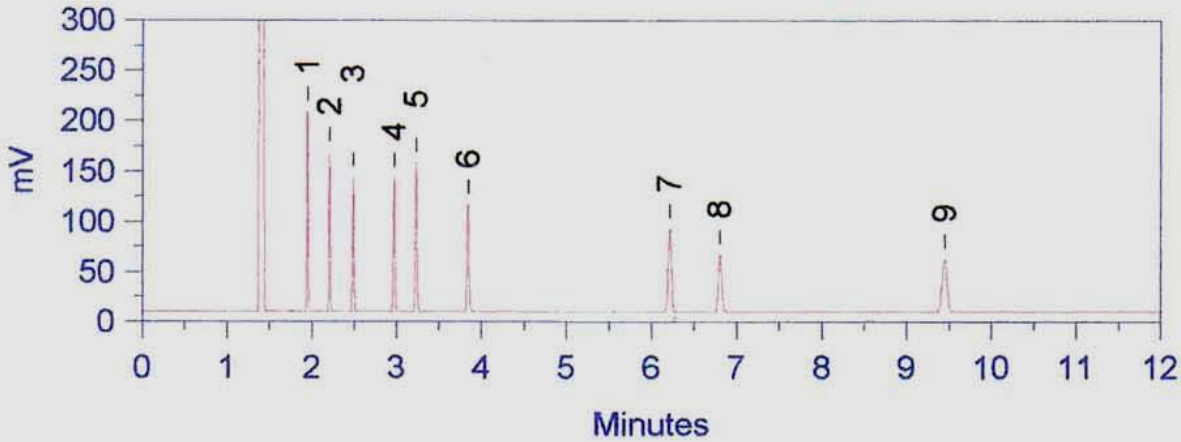


# Applications of ICB-5 column

## Column Performance Test Mix

Column: ICB-5, 30m x 0.25mm x 0.25µm film  
P/ N 2030- 25025  
Injector: Split, 225°C, 1:60  
Detector: FID, 320°C  
Carrier: Hydrogen, 95kPa column head pressure  
Temp: 140°C, isothermal

1. n-Decane
2. 1-Octanol
3. 2,6-Dimethylphenol
4. 2,6-Dimethylaniline
5. Naphthalene
6. 1-Decanol
7. n-Tetradecane
8. Methyl Undecanoate
9. n-Pentadecane



## EPA Method 610 - PAH Mix

Column: ICB-5, 30m x 0.25mm x 0.25µm film  
P/ N 2030- 25025  
Injector: Split, 225°C, 1:10  
Detector: FID, 320°C  
Carrier: Helium, 200kPa column head pressure  
Temp: 50°C for 1 min. to 175°C  
175°C to 315°C  
Bleed: <8pA @ 320°C

- |                   |                             |
|-------------------|-----------------------------|
| 1. Naphthalene    | 9. Benz[a]anthracene        |
| 2. Acenaphthylene | 10. Chrysene                |
| 3. Acenaphthene   | 11. Benzo[b]fluoranthene    |
| 4. Fluorene       | 12. Benzo[k]fluoranthene    |
| 5. Phenanthrene   | 13. Benzo[a]pyrene          |
| 6. Anthracene     | 14. Indeno[1,2,3-c,d]pyrene |
| 7. Fluoranthene   | 15. Dibenzo[a,h]anthracene  |
| 8. Pyrene         | 16. Benzo[g,h,i]perylene    |

