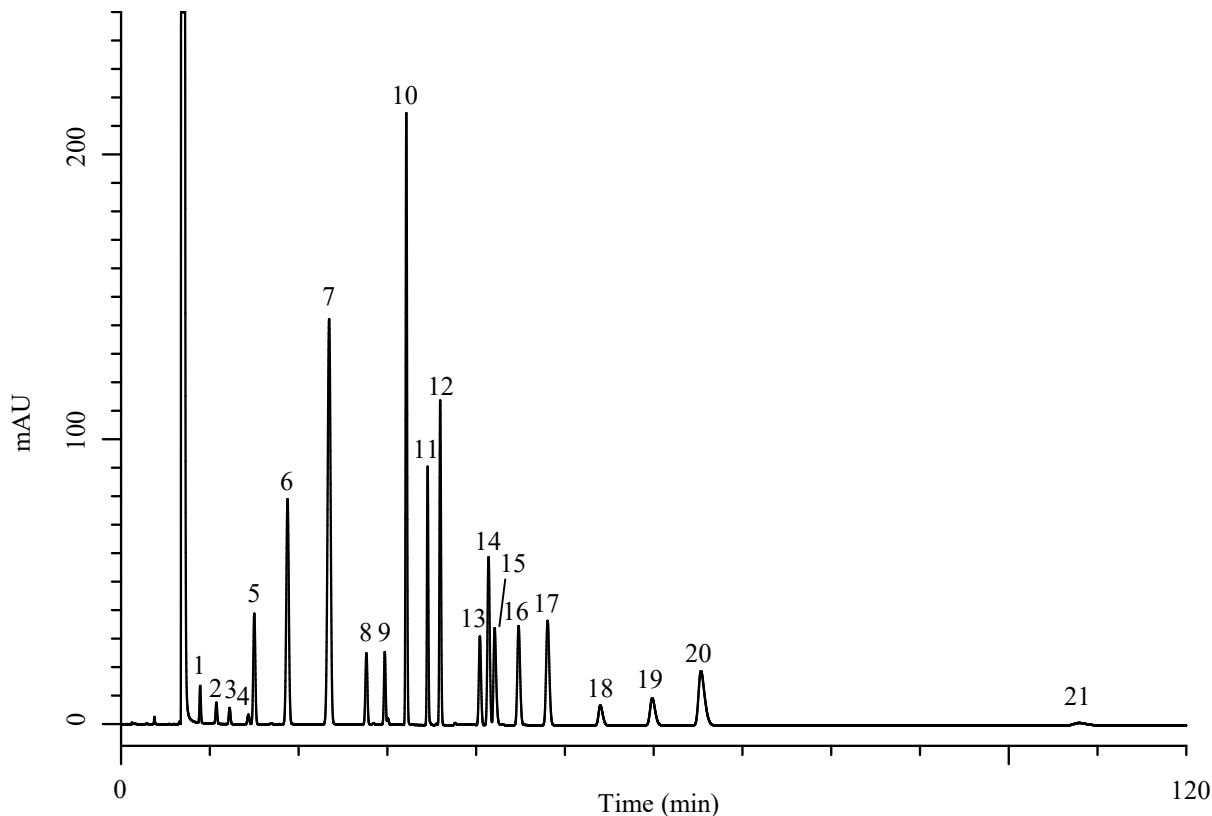


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Inertsil Applications

Analysis of Polycyclic Aromatic Hydrocarbons (PAHs)

Data No. LB718-1087



Conditions

System : Chromaster HPLC system
Column : Inertsil ODS-P (GL Sciences Inc.)
(HP 3 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-
Eluent : A) CH₃CN
B) H₂O

Time (min)	A (vol%)	B (vol%)
0.0	70	30
20.0	70	30
30.0	100	0
120.0	100	0

Flow Rate : 1.0 mL/min
Col. Temp. : 15 °C
Detection : UV 254 nm
Injection Vol. : 10 μ L
Sample : PAHs

Analyte:

1. Naphthalene	10 mg/L
2. Acenaphthylene	10 mg/L
3. 1-Methylnaphthalene	10 mg/L
4. Acenaphthene	10 mg/L
5. Fluorene	10 mg/L
6. Phenanthrene	10 mg/L
7. Anthracene	10 mg/L
8. Fluoranthene	10 mg/L
9. Pyrene	10 mg/L
10. Triphenylene	10 mg/L
11. Benzo-[a]-anthracene	10 mg/L
12. Chrysene	10 mg/L
13. Benzo-[e]-pyrene	10 mg/L
14. Benzo-[b]-fluoranthene	10 mg/L
15. Perylene	10 mg/L
16. Benzo-[k]-fluoranthene	10 mg/L
17. Benzo-[a]-pyrene	10 mg/L
18. Dibenz-[a,h]-anthracene	10 mg/L
19. Benzo-[g,h,i]-perylene	10 mg/L
20. Indeno-[1,2,3-cd]pyrene	10 mg/L
21. Coronene	10 mg/L