

InertSearch™ for LC

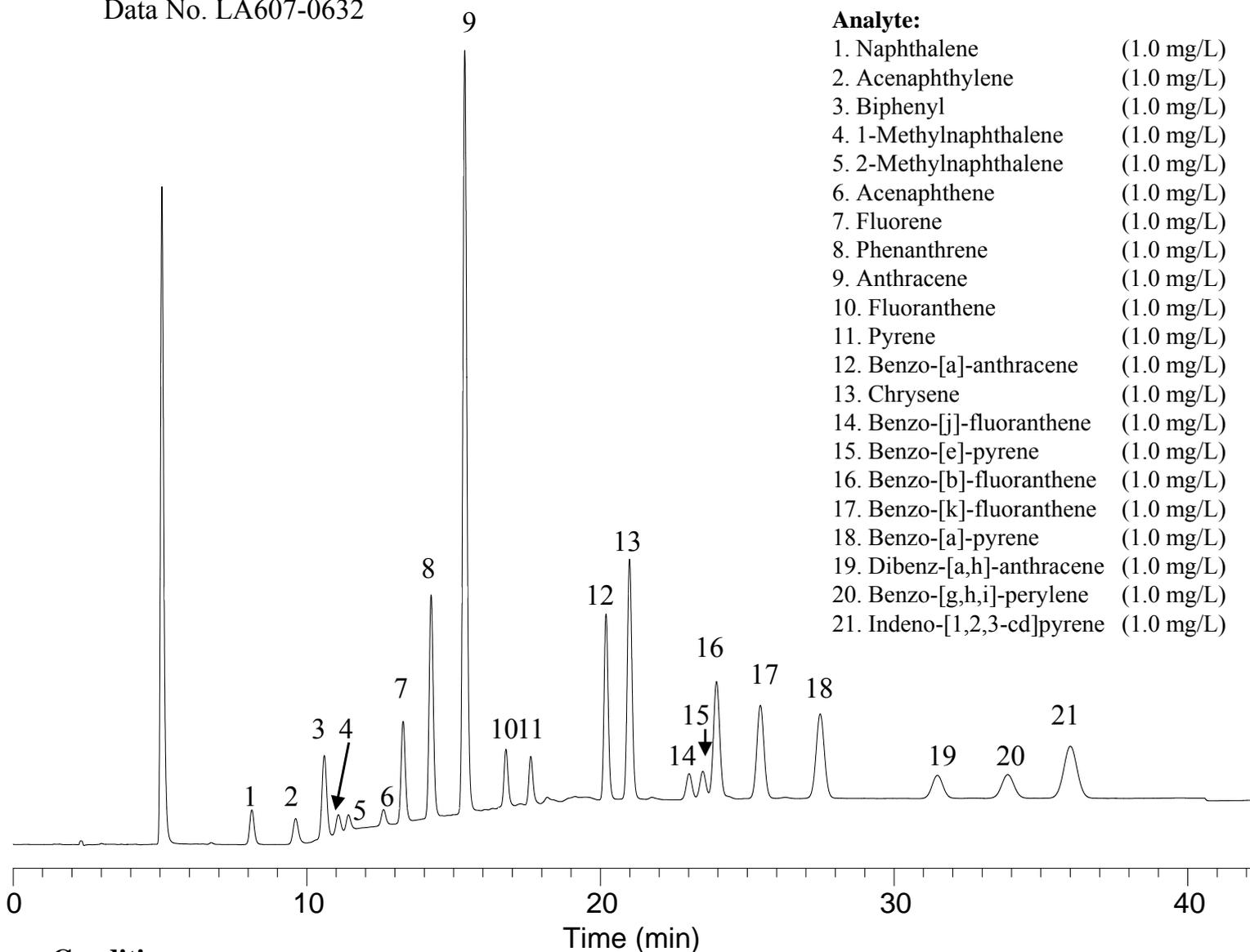
Inertsil® Applications

Analysis of Polycyclic aromatic hydrocarbons (PAHs)

Data No. LA607-0632

Analyte:

1. Naphthalene	(1.0 mg/L)
2. Acenaphthylene	(1.0 mg/L)
3. Biphenyl	(1.0 mg/L)
4. 1-Methylnaphthalene	(1.0 mg/L)
5. 2-Methylnaphthalene	(1.0 mg/L)
6. Acenaphthene	(1.0 mg/L)
7. Fluorene	(1.0 mg/L)
8. Phenanthrene	(1.0 mg/L)
9. Anthracene	(1.0 mg/L)
10. Fluoranthene	(1.0 mg/L)
11. Pyrene	(1.0 mg/L)
12. Benzo-[a]-anthracene	(1.0 mg/L)
13. Chrysene	(1.0 mg/L)
14. Benzo-[j]-fluoranthene	(1.0 mg/L)
15. Benzo-[e]-pyrene	(1.0 mg/L)
16. Benzo-[b]-fluoranthene	(1.0 mg/L)
17. Benzo-[k]-fluoranthene	(1.0 mg/L)
18. Benzo-[a]-pyrene	(1.0 mg/L)
19. Dibenz-[a,h]-anthracene	(1.0 mg/L)
20. Benzo-[g,h,i]-perylene	(1.0 mg/L)
21. Indeno-[1,2,3-cd]pyrene	(1.0 mg/L)



Conditions

System	: GL-7400 HPLC system
Column	: Inertsil ODS-P (5µm, 250 x 4.6 mm I.D.)
Column Cat. No.	: 5020-02002
Eluent	: A) CH ₃ OH B) H ₂ O A/B = 80/20 - 7 min - 80/20 - 10 min - 100/0, v/v
Flow Rate	: 1.0 mL/min
Col. Temp.	: 40 °C
Detection	: UV 254 nm
Injection Vol.	: 5 µL
Sample	: PAHs