

Determination of PAH

Method VEV0021J
HPLC RP Mode

Column: UltraSep ES PAH QC, 60 x 2.0 mm ID

Order No. I0019

Phase: UltraSep ES PAH QC

Conditions: Eluent: A: Water
B: Acetonitrile
Gradient: 0 – 5 min 55% B
5 – 12 min 55% – 100% B
8 min hold
Flow rate: 0.7 ml/min
Temperature: 30 °C

Detection: UV at 254 nm and/or Fluorescence (wavelength program)

Substances: Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene, Indeno(1,2,3-cd)pyren, 1-Methylnaphthalene, 2-Methylnaphthalene, Benzo(e)pyrene

Keywords: Polyaromatic hydrocarbons , Aromatic compounds

Chromatogram:

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. Dibenzo(a,h)anthracene
15. Benzo(g,h,i)perylene
16. Indeno(1,2,3-cd)pyrene
17. 1-Methylnaphthalene
18. 2-Methylnaphthalene
19. Benzo(e)pyrene

