

Separation of 16 PAH's with UV detection

Method	VEV0077J	
HPLC	RP Mode	
Column:	Eurosil Bioselect 300-5 C18, 150 x 4.6 mm ID	Order No. 15VK181EBJ
Phase:	Eurosil Bioselect 300-5 C18	
Conditions:	Eluent: A: Water B: Acetonitrile Gradient: 0 – 6 min 50 – 55% B 6 – 11 min 55 – 60% B 11 – 32 min 60 – 85% B Flow rate: 1.0 ml/min Temperature: 30 °C Volume: 10 µL	
Detection:	UV@254 nm	
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	
Keywords:	16 PAH's according to EPA (550.1 / 610 / 8310), 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/
Indeno(1,2,3-cd)pyrene

