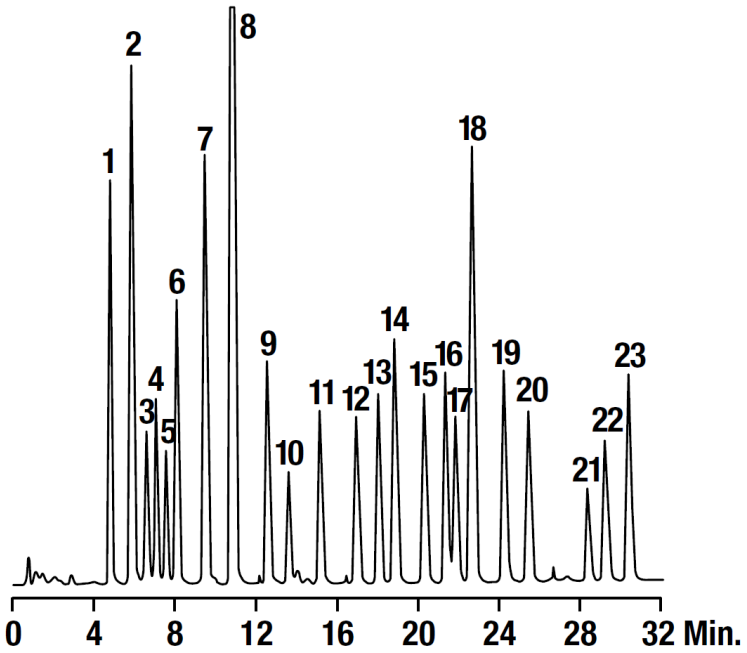
Chromatography Solutions

Application note #C-13306

Separation of 23 PAHs, including 16 EPA Priority-Pollutant PAHs



1. Naphthalene
2. Acenaphthylene
3. 1-Methylnaphthalene
4. 2-Methylnaphthalene
5. Acenaphthene
6. Fluorene
7. Phenanthrene
8. Anthracene
9. Fluoranthene
10. Pyrene
11. Benzo[c]phenanthrene
12. Cyclopenta[c,d]pyrene
13. Benzo[a]anthracene
14. Chrysene
15. Benzo[b]naphtho[2,1-d]thiophene
16. 7,12-Dimethylbenz[a]anthracene
17. Benzo[e]pyrene
18. Benzo[b]fluoranthene
19. Benzo[k]fluoranthene
20. Benz[a]pyrene
21. Dibenz[a,h]anthracene
22. Benzo[g,h,i]perylene
23. Indeno[1,2,3,c,d]pyrene

Method Details

CONDITIONS

Column: Vydac® 201TP C18

Particle Size: 5 µm

Dimensions: 150 x 4.6 mm

Mobile Phases: A: H_2O

B: MeCN

Gradient:

Time (mins)	%B
0	50
30	100

Flow Rate: 1.0 ml/min

ORDERING TABLE

Product	Details	Size	Part Number
Vydac® 201TP C18	HPLC Column	150 x 4.6 mm	201TP5415
Acetonitrile	VWR CHROMANORM® super gradient grade	2.5 L	83639.320
Water	VWR CHROMANORM® super gradient grade	2.5 L	83650.320

*Vydac is a registered trademark of W.R.Grace and Co.

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