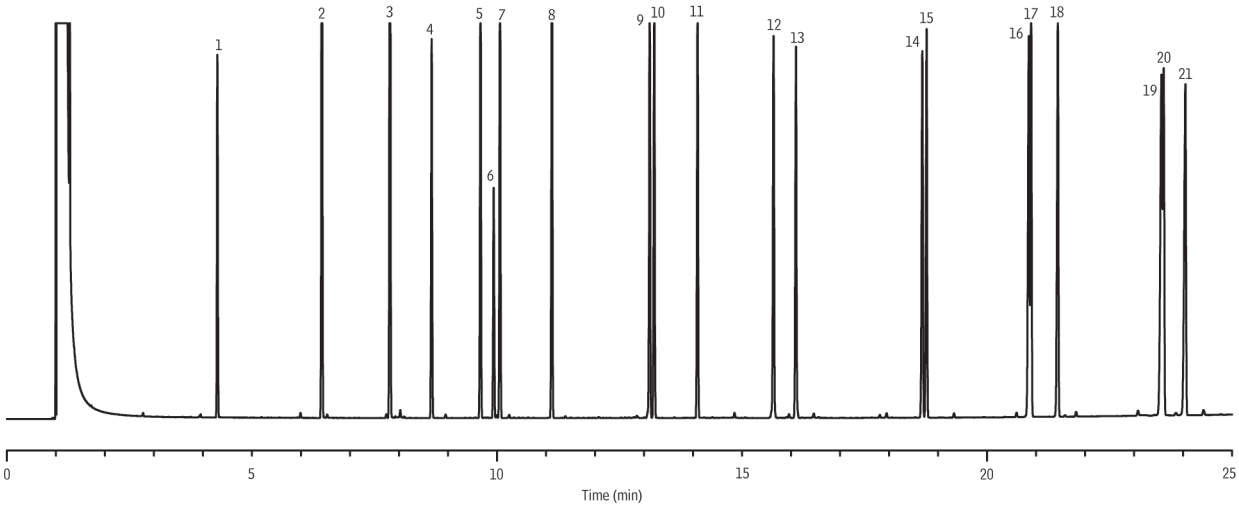
NJDEP EPH Aromatics on Rtx®-5



GC_EV1209

Peaks
1. 1,2,3-Trimethylbenzene
2. Naphthalene
3. 2-Methylnaphthalene
4. 2-Fluorobiphenyl
5. Acenaphthalene
6. 2-Bromonaphthalene
7. Acenaphthene
8. Fluorene
9. Phenanthrene
10. Anthracene
11. *o*-Terphenyl
12. Fluoranthene
13. Pyrene
14. Benzo[a]anthracene
15. Chrysene
16. Benzo[b]fluoranthene
17. Benzo[k]fluoranthene
18. Benzo[a]pyrene
19. Indeno[1,2,3-cd]pyrene
20. Dibenzo[a,h]anthracene
21. Benzo[ghi]perylene

Column	Rtx®-5, 30 m, 0.32 mm ID, 0.25 µm (cat.# 10224)
Sample	NJDEP EPH 10/08 Rev.2 Aliphatics (cat.# 30540) NJDEP EPH 10/08 Rev.2 Aromatics (cat.# 30541) MA EPH Surrogate Spike Mix (cat.# 31479) MA Fractionation Surrogate Spike Mix (cat.# 31480)
Diluent:	Hexane
Conc.:	200 ppm
Injection	
Inj. Vol.:	1 µL splitless (hold 1.5 min.)
Liner:	Gooseneck Splitless (4mm) w/Wool (cat.# 22406)
Inj. Temp.:	280 °C
Purge Flow:	40 mL/min.
Oven	
Oven Temp:	60 °C (hold 1 min.) to 300 °C at 12 °C/min. to 330 °C at 6 °C/min. (hold 2 min.)
Carrier Gas	He, constant pressure (18 psi, 124.1 kPa)
Temp.:	60 °C
Detector	FID @ 330 °C
Make-up Gas Flow Rate:	40 mL/min.
Make-up Gas Type:	N_2
Instrument	HP5890 GC
Notes	A fractionation calibration check standard for the NJDEP EPH method was prepared and fractionated according to the method. See chromatogram GC_EV1208 for aliphatic fraction.

Restek Corporation 110 Benner Circle Bellefonte, PA 16823
814-353-1300 • 800-356-1688 • Fax: 814-353-1309 • www.restek.com