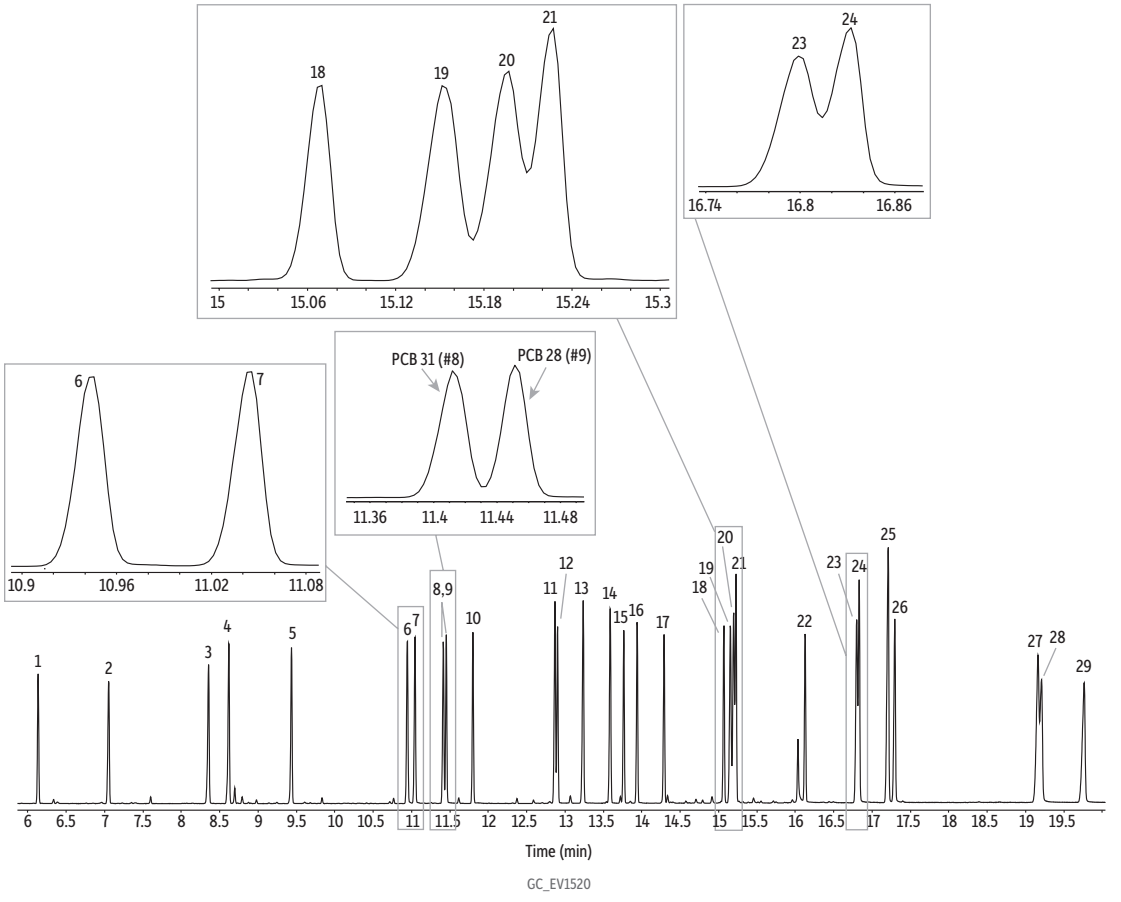
EU Monitored PCBs and PAHs on Rxi-XLB



Peaks	t_R (min)	Conc. (µg/mL)
1. Naphthalene	6.134	5
2. 2-Methylnaphthalene	7.051	5
3. Acenaphthylene	8.353	5
4. Acenaphthene	8.617	5
5. Fluorene	9.435	5
6. Phenanthrene	10.946	5
7. Anthracene	11.045	5
8. PCB 31	11.412	5
9. PCB 28	11.451	5
10. PCB 52	11.799	5
11. Fluoranthene	12.868	5
12. PCB 101	12.902	5
13. Pyrene	13.235	5
14. 2-Methylfluoranthene	13.586	5
15. PCB 118	13.765	5
16. PCB 153	13.937	5
17. PCB 138	14.289	5
18. PCB 180	15.07	5
19. Benzo[a]anthracene	15.152	5
20. Triphenylene	15.197	5
21. Chrysene	15.227	5
22. PCB 194	16.127	5
23. Benzo[b]fluoranthene	16.799	5
24. Benzo[k]fluoranthene	16.832	5
25. Benzo[e]pyrene	17.211	5
26. Benzo[a]pyrene	17.295	5
27. Indeno[1,2,3-cd]pyrene	19.161	5
28. Dibenzo[a,h]anthracene	19.209	5
29. Benzo[ghi]perylene	19.763	5

Column	Rxi-XLB, 30 m, 0.25 mm ID, 0.25 µm (cat.# 13723)
Standard/Sample	2-Methylnaphthalene (cat.# 31285) SV calibration mix #5/610 PAH (cat.# 31011) PCB congener mix #2 (cat.# 32294)
Diluent:	Methylene chloride
Conc.:	5 µg/mL
Injection	
Inj. Vol.:	1 µL splitless
Liner:	Topaz Precision inlet liner, 4.0 mm x 6.3 x 78.5 (cat.# 23305)
Inj. Temp.:	240 °C
Oven	
Oven Temp.:	40 °C (hold 1 min) to 120 °C at 30 °C/min to 330 °C at 16 °C/min (hold 4 min)
Carrier Gas	He, constant flow
Flow Rate:	1 mL/min
Detector	MS
Mode:	Scan
Scan Program:	

Group	Start Time (min)	Scan Range (amu)	Scan Rate (scans/sec)
1	4	50-550	10

Transfer Line Temp.:	250 °C
Source Temp.:	300 °C
Quad Temp.:	180 °C
Instrument	Agilent 7890A GC & 5975C MSD
Sample Preparation	The sample was in a 2 mL short-cap, screw-thread vial (cat.# 21143) and capped with a short-cap, screw-vial closure (cat.# 24495).