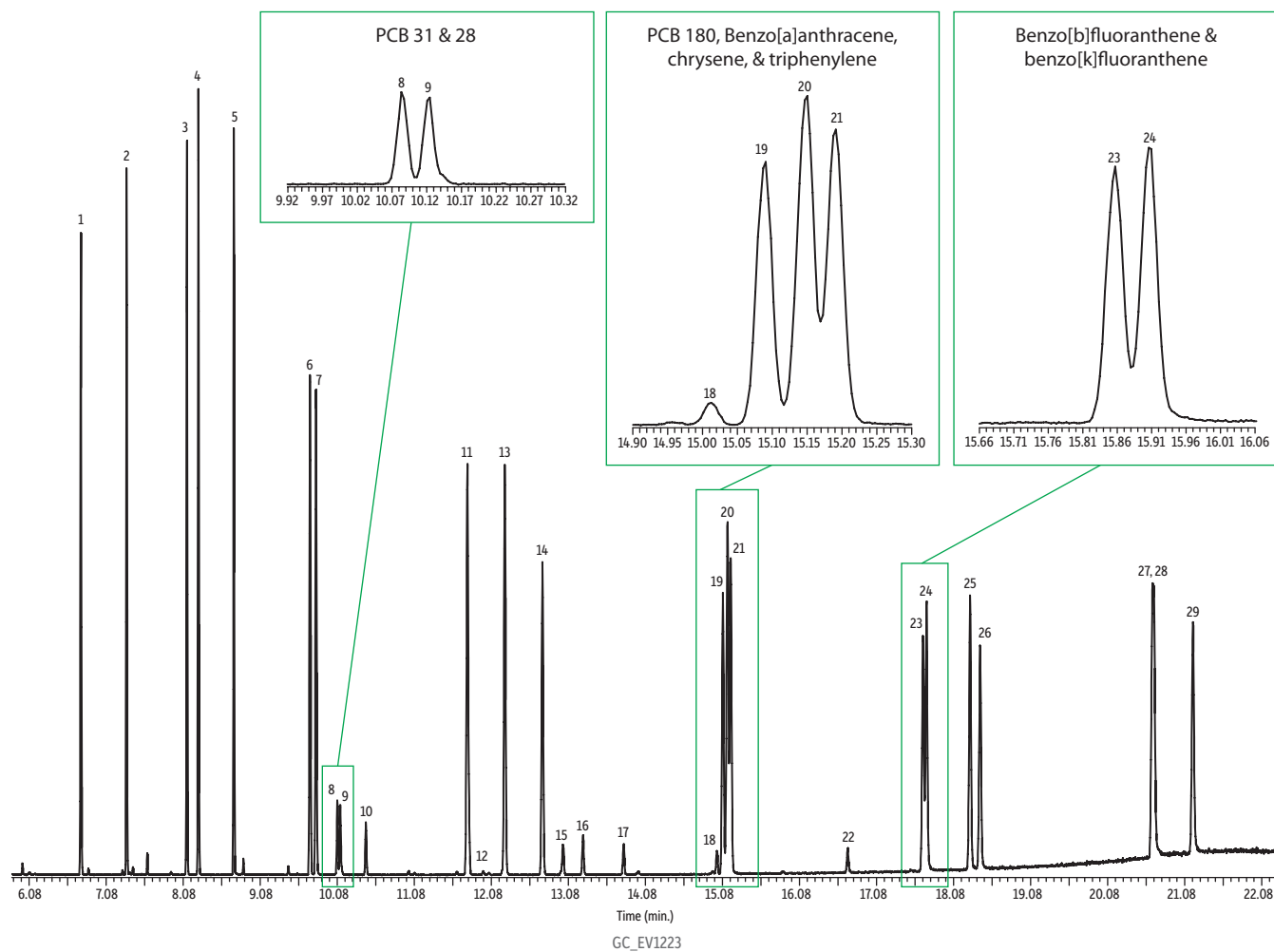


PAHs and PCB Congeners on Rxi®-XLB

Peaks	Conc. (µg/mL)				
1. Naphthalene	5	10. PCB 52	1	20. Chrysene	5
2. 2-Methylnaphthalene	5	11. Fluoranthene	5	21. Triphenylene	5
3. Acenaphthylene	5	12. PCB 101	1	22. PCB 194	1
4. Acenaphthene	5	13. Pyrene	5	23. Benzo[b]fluoranthene	5
5. Fluorene	5	14. 2-Methylfluoranthene	5	24. Benzo[k]fluoranthene	5
6. Phenanthrene	5	15. PCB 118	1	25. Benzo[e]pyrene	5
7. Anthracene	5	16. PCB 153	1	26. Benzo[a]pyrene	5
8. PCB 31	1	17. PCB 138	1	27. Dibenzo[a,h]anthracene	5
9. PCB 28	1	18. PCB 180	1	28. Indeno[1,2,3-cd]pyrene	5
		19. Benzo[a]anthracene	5	29. Benzo[g,h,i]perylene	5



Column Rxi®-XLB, 30 m, 0.25 mm ID, 0.25 µm (cat.# 13723)
Sample SV calibration mix #5 / 610 PAH mix (cat.# 31011), Benzo(e)pyrene (cat.# custom), Triphenylene (cat.# custom), 2-Methylnaphthalene (cat.# 31285), 2-Methylfluoranthene (cat.# custom), PCB congener standard #2 (cat.# 32294), PCB 31 (cat.# custom)
Diluent: Dichloromethane
Injection 0.5 µL splitless (hold 1.75 min.)
Inj. Vol.: 2.0 mm ID straight inlet liner w/wool (cat.# 21718)
Liner: 300 °C
Inj. Temp.: 50 mL/min.
Purge Flow: 300 °C
Oven 40 °C (hold 2 min.) to 240 °C at 30 °C/min. (hold 2 min.) to 340 °C at 10 °C/min. (hold 5 min.)
Oven Temp: He, constant flow
Carrier Gas 1 mL/min.
Flow Rate:

Detector MS
Mode: Scan
Transfer
Line Temp.: 300 °C
Analyzer Type: Quadrupole
Source Temp.: 280 °C
Electron Energy: 70 eV
Solvent Delay
Time: 4 min.
Tune Type: manual
Ionization Mode: EI
Scan Range: 45-550 amu
Scan Rate: 5 scans/sec.
Instrument PE Clarus 500 GC & Clarus 500 MS