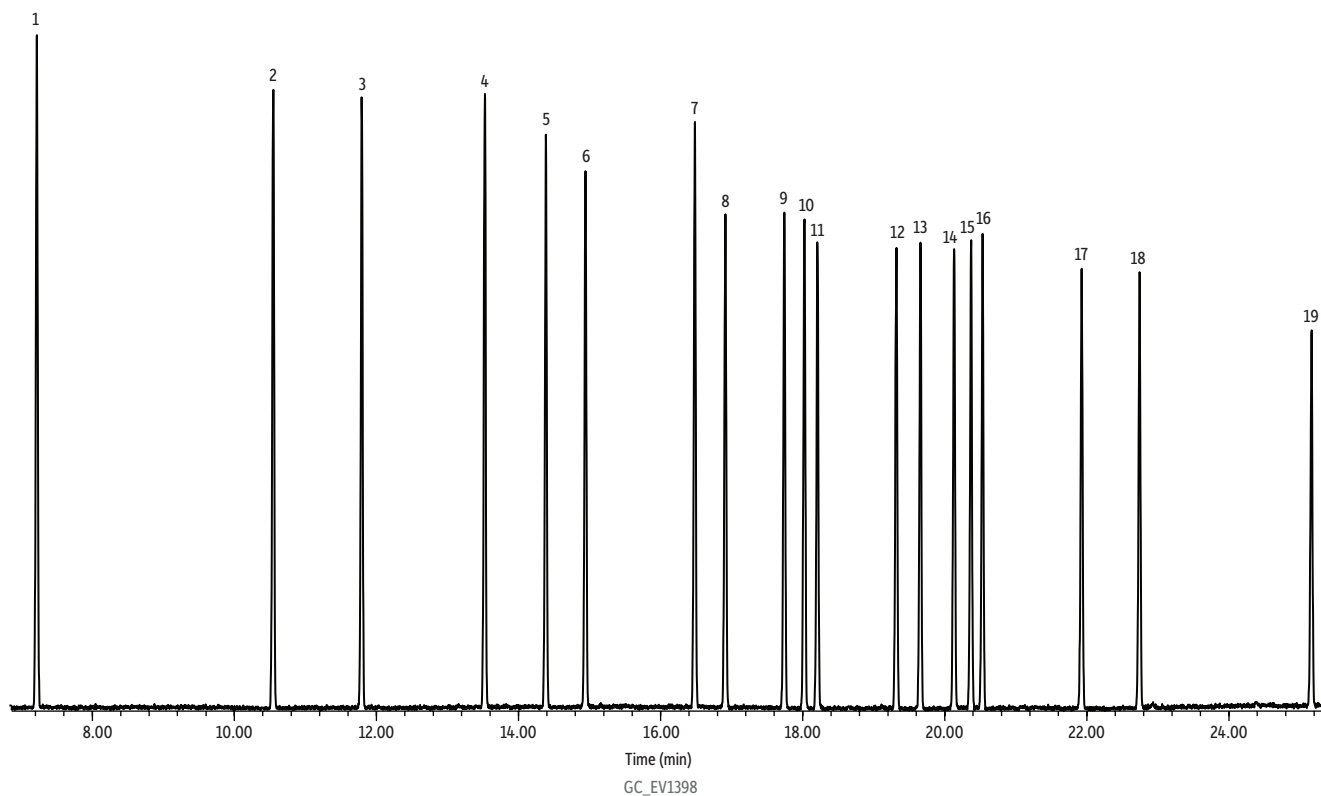


PCB Congener Mix (EPA Method 8082A) on the Rtx®-PCB Column

- | | |
|--|---|
| <p>Peaks</p> <ol style="list-style-type: none"> 1. 2-Chlorobiphenyl (PCB-1) 2. 2,3-Dichlorobiphenyl (PCB-5) 3. 2,2',5-Trichlorobiphenyl (PCB-18) 4. 2,4',5-Trichlorobiphenyl (PCB-31) 5. 2,2',5,5'-Tetrachlorobiphenyl (PCB-52) 6. 2,2',3,5'-Tetrachlorobiphenyl (PCB-44) 7. 2,3',4,4'-Tetrachlorobiphenyl (PCB-66) 8. 2,2',4,5,5'-Pentachlorobiphenyl (PCB-101) 9. 2,2',3,4,5'-Pentachlorobiphenyl (PCB-87) | <p>Peaks</p> <ol style="list-style-type: none"> 10. 2,3,3',4',6-Pentachlorobiphenyl (PCB-110) 11. 2,2',3,5,5',6-Hexachlorobiphenyl (PCB-151) 12. 2,2',4,4',5,5'-Hexachlorobiphenyl (PCB-153) 13. 2,2',3,4,4,5,5'-Hexachlorobiphenyl (PCB-141) 14. 2,2',3,4,4',5'-Hexachlorobiphenyl (PCB-138) 15. 2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB-187) 16. 2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB-183) 17. 2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB-180) 18. 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB-170) 19. 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB-206) |
|--|---|



Column Rtx®-PCB, 20 m, 0.18 mm ID, 0.18 µm (cat.# 41302)
Sample PCB congener mix, Method 8082A (cat.# 32416)
Diluent: Isooctane
Conc.: 50 µg/mL
Injection
Inj. Vol.: 1 µL split (split ratio 10:1)
Liner: Premium 4 mm Precision® liner w/wool (cat.# 23305.5)
Inj. Temp.: 250 °C
Oven
Oven Temp.: 120 °C (hold 0.1 min) to 330 °C at 6.8 °C/min (hold 1 min)
Carrier Gas He, constant flow
Flow Rate: 1 mL/min
Detector MS-scan (positive ion chemical ionization emulating EI [EI-CI source.u])
Scan Program:

Group	Start Time (min)	Scan Range (amu)	Scan Rate (scans/sec)
1	3	50-550	5.6

Transfer Line
Temp.: 280 °C
Analyzer Type: Quadrupole
Source Type: CI
Source Temp.: 300 °C
Quad Temp.: 200 °C
Ionization Mode: CI(pos)
Instrument Agilent 7890B GC & 5977A MSD