

# EPA Method 8082 PCB Congeners

**Column:** DB-1ms  
30 m x 0.25 mm I.D., 0.25 µm

**J&W P/N:** 122-0132  
**Carrier:** Helium at 46 cm/sec linear velocity  
measured at 100°C,  
constant pressure mode

**Oven:** 100°C for 0.8 min,  
100°C to 325°C at 15°/min  
325°C for 2.0 min

**Injector:** Splitless 275°C,  
0.8 min purge activation time

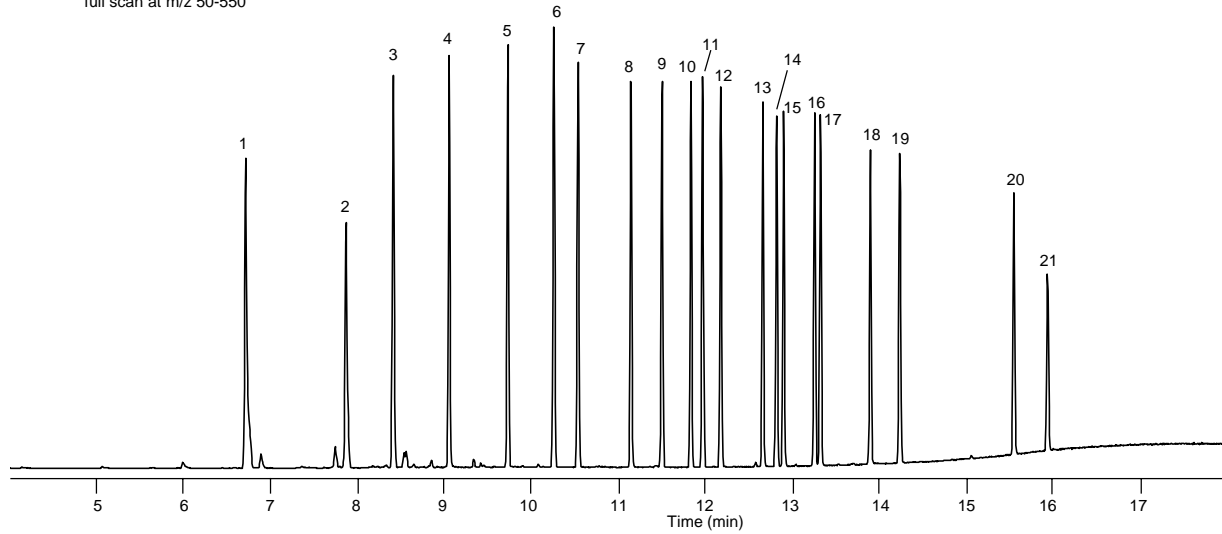
**Sample:** 1.0 µL injection  
of a 20 ppm mixture

**Detector:** MSD, 280°C transfer line,  
full scan at m/z 50-550

## Compound list

(PCB congeners are listed by their IUPAC number):

- |                                 |                                |
|---------------------------------|--------------------------------|
| 1. IUPAC 1                      | 11. IUPAC 110                  |
| 2. Tetrachloro-m-xylene (IS/SS) | 12. IUPAC 151                  |
| 3. IUPAC 5                      | 13. IUPAC 153                  |
| 4. IUPAC 18                     | 14. IUPAC 141                  |
| 5. IUPAC 31                     | 15. IUPAC 137                  |
| 6. IUPAC 52                     | 16. IUPAC 187                  |
| 7. IUPAC 44                     | 17. IUPAC 183                  |
| 8. IUPAC 66                     | 18. IUPAC 180                  |
| 9. IUPAC 101                    | 19. IUPAC 170                  |
| 10. IUPAC 87                    | 20. IUPAC 206                  |
|                                 | 21. Decachlorobiphenyl (IS/SS) |



C761