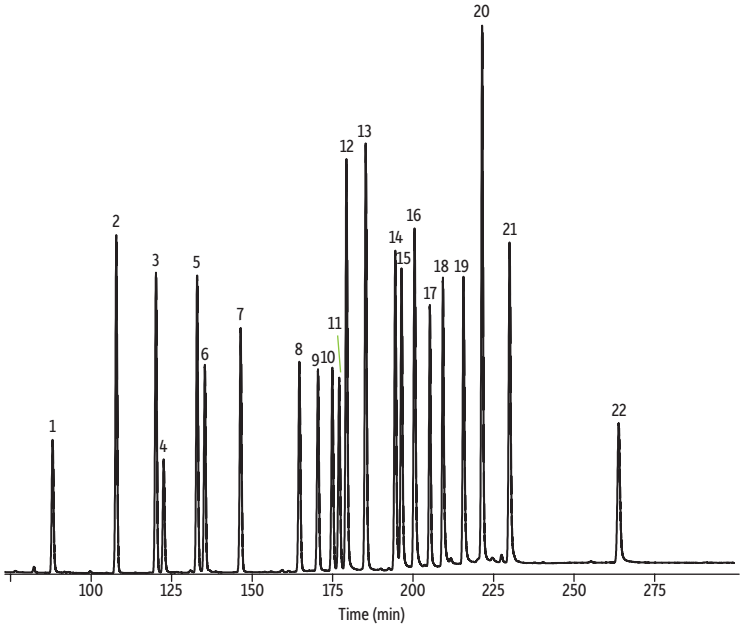
Organochlorine Pesticides on Rtx-CLPesticides2



GC_EV00895

Peaks

1. 2,4,5,6-Tetrachloro-*m*-xylene (SS)
2. α-BHC
3. γ-BHC
4. β-BHC
5. δ-BHC
6. Heptachlor
7. Aldrin
8. Heptachlor epoxide
9. *trans*-Chlordane
10. *cis*-Chlordane
11. Endosulfan I
12. 4,4'-DDE
13. Dieldrin
14. Endrin
15. 4,4'-DDD
16. Endosulfan II
17. 4,4'-DDT
18. Endrin aldehyde
19. Endosulfan sulfate
20. Methoxychlor
21. Endrin ketone
22. Decachlorobiphenyl (SS)

Column	Rtx-CLPesticides2, 20 m, 0.18 mm ID, 0.14 µm (cat.# 42302)
Standard/Sample	Organochlorine pesticide mix AB #2 (8-80 µg/mL each component in hexane/toluene 1:1) (cat.# 32292) Pesticide surrogate mix, EPA 8080, 8081 (200 µg/mL each component in acetone) (cat.# 32000)
Injection	
Inj. Vol.:	1.0 µL split (split ratio 20:1)
Liner:	Siltek gooseneck splitless (4 mm) (cat.# 20798-214.1)
Inj. Temp.:	250 °C
Oven	
Oven Temp.:	275 °C
Carrier Gas	He, constant flow
Flow Rate:	1.5 mL/min
Detector	ECD @ 250 °C
Notes	**Column Heater:** Gerstel Modular Accelerated Column Heater **Gerstel module temp.:** 140 °C to 220 °C (hold 1 min) @ 120 °C/min, to 305 °C @ 50 °C/min, to 330 °C @ 300 °C/min (hold 2 min) This chromatogram was obtained using an Agilent micro-ECD. To obtain comparable results, you will need to employ a micro-ECD in addition to confirmational dual-columns connected to a 5-meter guard column using a "Y" Press-Tight connector.

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