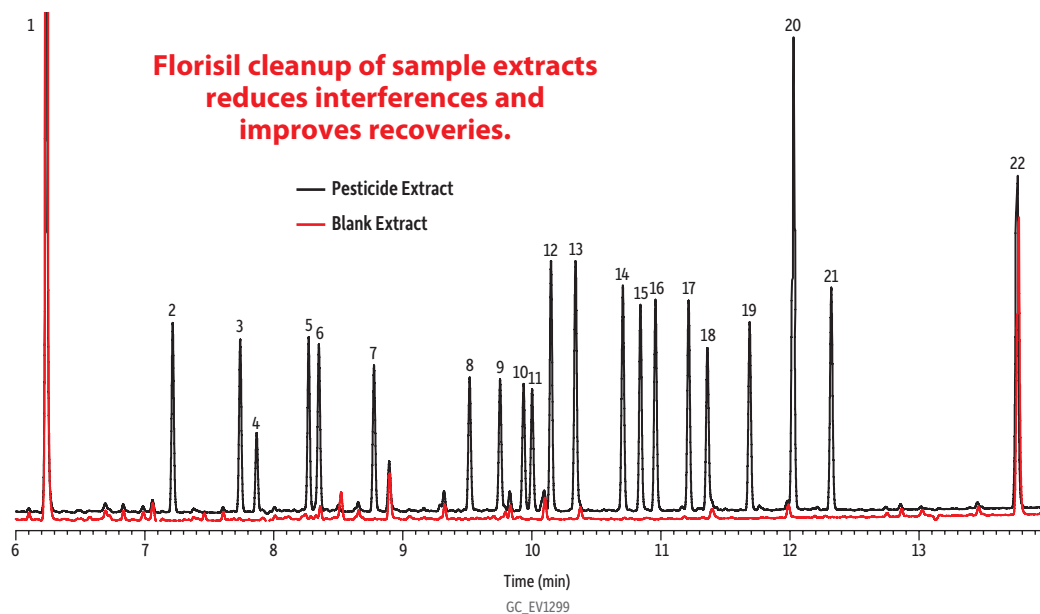


Comparison: Florisil SPE Cleanup of Blank Extract and EPA 8081 Pesticides Extract on Rtx-CLPesticides2



Peaks	Conc. (ng/mL)
1. 2,4,5,6-Tetrachloro- <i>m</i> -xylene (SS)	20
2. α -BHC	5
3. γ -BHC	5
4. β -BHC	5
5. δ -BHC	5
6. Heptachlor	5
7. Aldrin	5
8. Heptachlor epoxide	5
9. <i>trans</i> -Chlordane	5
10. <i>cis</i> -Chlordane	5
11. Endosulfan I	5
12. 4,4'-DDE	10
13. Dieldrin	10
14. Endrin	10
15. 4,4'-DDD	10
16. Endosulfan II	10
17. 4,4'-DDT	10
18. Endrin aldehyde	10
19. Endosulfan sulfate	10
20. Methoxychlor	50
21. Endrin ketone	10
22. Decachlorobiphenyl (SS)	20

Column Rtx-CLPesticides2, 30 m, 0.32 mm ID, 0.25 μ m (cat.# 11324)
using Rxi guard column 5 m, 0.32 mm ID (cat.# 10039)
with universal "Y" Press-Tight connector (cat.# 20406-261)

Standard/Sample 2,4,5,6-Tetrachloro-*m*-xylene (cat.# 32027)
Decachlorobiphenyl (BZ #209) (cat.# 32029)
Organochlorine pesticide mix AB #2 (cat.# 32292)

Injection
Inj. Vol.: 2 μ L splitless (hold 0.75 min)
Liner: Premium 4 mm single taper w/wool (cat.# 23303.5)
Inj. Temp.: 250 $^{\circ}$ C
Purge Flow: 50 mL/min

Oven
Oven Temp.: 110 $^{\circ}$ C (hold 0.5 min) to 320 $^{\circ}$ C at 15 $^{\circ}$ C/min (hold 5 min)

Carrier Gas He, constant flow
Flow Rate: 3.5 mL/min

Detector μ -ECD @ 330 $^{\circ}$ C

Make-up Gas
Flow Rate: 50 mL/min

Make-up Gas Type: N₂
Data Rate: 50 Hz

Instrument Agilent/HP6890 GC

Sample Preparation

A mixed standard was prepared in 1 mL hexane (see peak list for nominal concentration of each component). For cleanup, a Florisil tube (cat.# 24034) was first conditioned with 6 mL hexane. The 1 mL standard was then loaded on the tube and eluted with hexane:acetone (90:10), collecting 10 mL of eluent. The eluent was then concentrated down to 1 mL and analyzed.