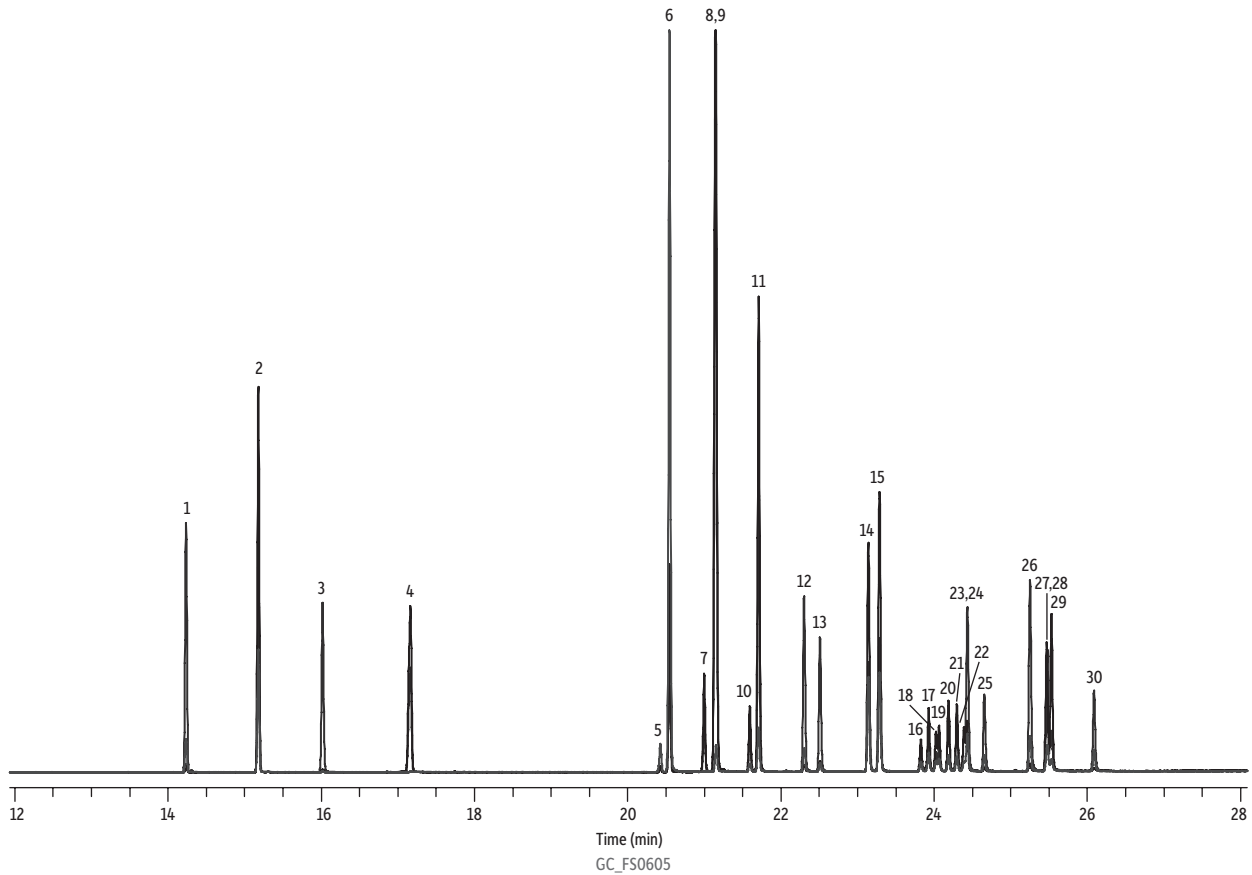


GC Multiresidue Pesticide Standard #6-SPP on Rxi®-5ms by GC-MS

Peaks	tr (min)	Peaks	tr (min)
1. Tefluthrin	14.23	16. Cyfluthrin 1*	23.83
2. Transfluthrin	15.18	17. Cyfluthrin 2*	23.93
3. Anthraquinone	16.02	18. Cyfluthrin 3*	24.02
4. Bioallethrin	17.17	19. Cyfluthrin 4*	24.06
5. Resmethrin 1*	20.43	20. Cypermethrin 1*	24.19
6. Resmethrin 2*	20.55	21. Cypermethrin 2*	24.30
7. Tetramethrin 1*	21.00	22. Cypermethrin 3*	24.39
8. Tetramethrin 2*	21.14	23. Cypermethrin 4*	24.43
9. Bifenthrin	21.15	24. Flucythrinate 1*	24.43
10. Phenothrin 1*	21.59	25. Flucythrinate 2*	24.66
11. Phenothrin 2*	21.71	26. Fenvalerate 1*	25.24
12. lambda-Cyhalothrin	22.30	27. tau-Fluvalinate 1*	25.47
13. Acrinathrin	22.51	28. Fenvalerate 2*	25.48
14. cis-Permethrin	23.14	29. tau-Fluvalinate 2*	25.53
15. trans-Permethrin	23.29	30. Deltamethrin	26.09

*Isomers numbered according to elution order.



Column Rxi®-5ms, 30 m, 0.25 mm ID, 0.25 µm (cat.# 13423)
Sample GC multiresidue pesticide standard #6-SPP (cat.# 32568)
Diluent: Toluene
Conc.: 100 µg/mL
Injection
Inj. Vol.: 1 µL split (split ratio 50:1)
Liner: Premium 4.0 mm ID Precision® inlet liner w/wool (cat.# 23305.1)
Inj. Temp.: 250 °C
Oven
Oven Temp.: 90 °C (hold 1 min) to 330 °C at 8.5 °C/min (hold 5 min)
Carrier Gas He, constant flow
Flow Rate: 1.4 mL/min
Detector MS
Mode: Scan

Scan Program:

Group	Start Time (min)	Scan Range (amu)	Scan Rate (scans/sec)
1	5	55-550	7

Transfer Line
Temp.: 290 °C
Analyzer Type: Quadrupole
Source Temp.: 325 °C
Electron Energy: 70 eV
Solvent Delay
Time: 5 min
Ionization Mode: EI
Instrument Thermo Scientific TSQ 8000 Triple Quadrupole GC-MS
Notes Bioallethrin isomers are only slightly resolved with this method, so they are treated as one peak.

Reconstructed chromatogram from select ions.