

## LC Multiresidue Pesticide Standard #5 on Ultra Aqueous C18 by LC-MS/MS

Peaks	t <sub>R</sub> (min)	Precursor Ion (m/z)	Product Ion 1 (m/z)	Product Ion 2 (m/z)
1. Thiamethoxam	4.2	292.0	211.0	181.0
2. Clothianidin	4.4	250.0	169.0	132.0
3. Thiabendazole	4.7	202.1	175.1	131.2
4. Mesotrione	5.0	340.2	228.2	104.1
5. Thiacloprid	5.1	253.0	126.0	99.0
6. Sulfentrazone	5.3	387.0	307.1	146.0
7. Tricyclazole	5.3	190.0	163.0	136.0
8. Metribuzin	5.4	215.1	187.1	84.1
9. Carboxin	5.6	236.1	143.0	87.0
10. Thiofanox	5.8	219.2	57.2	61.1
11. Simetryn	5.9	214.0	124.0	144.0
12. Ethofumesate	6.5	287.1	259.1	121.1
13. Ethirprole	6.7	397.3	255.2	350.9
14. Methoprotryne	6.7	272.2	198.0	240.2
15. Fenamidone	6.8	312.1	92.0	236.1
16. Clethodim isomer 1	7.0	360.1	164.0	268.1
17. Acibenzolar-S-methyl	7.3	211.0	136.2	91.2
18. Prometryne	7.4	242.2	158.1	200.1
19. Terbutryn	7.6	242.1	186.1	68.1
20. Flufenacet	7.7	364.1	152.1	194.2
21. Fipronil	7.8	437.1	368.0	290.0
22. Mefenacet	7.8	299.0	148.1	120.1
23. Bupirimate	8.0	317.0	166.1	108.0
24. Cyazofamid	8.0	325.2	108.0	261.2
25. Flubendiamide	8.4	683.1	408.0	274.1
26. Prothioconazole	8.7	344.1	188.9	125.1
27. Clethodim isomer 2	9.9	360.1	164.0	268.1
28. Buprofezin	10.2	306.2	201.1	116.2
29. Hexythiazox	10.7	353.1	168.0	228.0
30. Propargite	10.8	368.2	231.1	175.1
31. Pyridaben	11.3	365.0	147.0	309.0

Isomers are numbered sequentially based on elution order. To download this retention table in XLS format, visit [www.restek.com/LC-multiresidue](http://www.restek.com/LC-multiresidue)

**Column** Ultra Aqueous C18 (cat.# 9178312)  
**Dimensions:** 100 mm x 2.1 mm ID  
**Particle Size:** 3 µm  
**Pore Size:** 100 Å  
**Temp.:** 50 °C  
**Sample** LC multiresidue pesticide standard #5 (cat.# 31976)  
**Diluent:** Water  
**Conc.:** 50 ng/mL  
**Inj. Vol.:** 20 µL  
**Mobile Phase**  
**A:** Water + 4 mM ammonium formate + 0.1% formic acid  
**B:** Methanol + 4 mM ammonium formate + 0.1% formic acid

Time (min)	Flow (mL/min)	%A	%B
0.00	0.5	90	10
1.50	0.5	90	10
4.00	0.5	40	60
8.00	0.5	30	70
11.00	0.5	0	100
12.00	0.5	0	100
12.01	0.5	90	10
15.00	0.5	90	10

**Max Pressure:** 255 bar  
**Detector** AB SCIEX API 4000™ LC-MS/MS  
**Ion Source:** TurbolonSpray®  
**Ion Mode:** ESI+  
**Ion Spray Voltage:** 5.5 kV  
**Curtain Gas:** 30 psi (206.8 kPa)  
**Gas 1:** 40 psi (275.8 kPa)  
**Gas 2:** 45 psi (310.3 kPa)  
**CAD:** 10 psi (68.9 kPa)  
**Source Temp.:** 350 °C  
**Mode:** Scheduled MRM  
**MRM Detection**  
**Window:** 60 sec  
**Target Scan Time:** 0.33 sec  
**Instrument** API LC-MS/MS  
**Notes** Q1/Q3 Resolution: Unit  
Autosampler Temp.: 5 °C

