

LC Multiresidue Pesticide Standard #3 on Ultra Aqueous C18 by LC-MS/MS

Peaks	t _R (min)	Precursor Ion (m/z)	Product Ion 1 (m/z)	Product Ion 2 (m/z)
1. 3-Hydroxycarbofuran	4.5	238.1	163.0	181.0
2. Dioxacarb	4.6	224.1	167.0	123.0
3. Fenuron	4.7	165.1	72.1	46.0
4. Bendiocarb	5.3	224.1	167.1	109.0
5. Propoxur	5.3	210.1	111.0	168.1
6. Carbofuran	5.4	222.1	165.1	123.0
7. Pirimicarb	5.6	239.2	72.1	182.1
8. Propham	5.8	180.1	138.0	120.0
9. Fluometuron	5.9	233.1	72.1	46.0
10. Isoprocarb	5.9	194.1	95.0	137.0
11. Monolinuron	5.9	215.1	126.1	99.0
12. Forchlorfenuron	6.1	248.0	129.1	93.1
13. Metobromuron	6.1	259.0	170.2	148.2
14. Chlorotoluron	6.2	213.1	72.2	46.2
15. Isoproturon	6.4	207.2	72.1	46.1
16. Fenobucarb	6.5	208.2	95.3	152.1
17. Diuron	6.6	233.1	72.0	72.1
18. Siduron	6.6	233.3	137.2	94.0
19. Diethofencarb	6.7	268.1	226.1	124.0
20. Cycluron	6.8	199.1	89.1	89.0
21. Promecarb	7.0	208.1	151.0	109.0
22. Linuron	7.1	249.1	182.1	160.0
23. Iprovalicarb isomer 1	7.3	321.2	119.0	203.1
24. Iprovalicarb isomer 2	7.4	321.2	119.0	203.1
25. Bifenazate	7.6	301.1	170.1	198.1
26. Chloroxuron	8.1	291.1	72.4	218.1
27. Diflubenzuron	8.3	311.0	158.2	141.1
28. Fenoxycarb	8.3	302.1	116.1	88.0
29. Neburon	8.4	275.0	88.0	114.0
30. Pyraclostrobin	9.4	388.0	194.0	163.0
31. Triflumuron	9.4	359.1	156.2	139.0
32. Thiobencarb	9.6	258.0	125.0	89.0
33. Indoxacarb	9.8	528.0	203.0	218.0
34. Hexaflumuron	10.3	461.1	158.2	141.1
35. Novaluron	10.3	493.0	158.1	141.1
36. Teflubenzuron	10.6	381.1	141.2	158.2
37. Lufenuron	10.8	511.1	158.1	141.2
38. Flufenoxuron	10.9	489.0	158.0	141.1
39. Chlorfluazuron	11.2	540.0	383.0	158.0

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 #3 (cat.# 31974)
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

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

