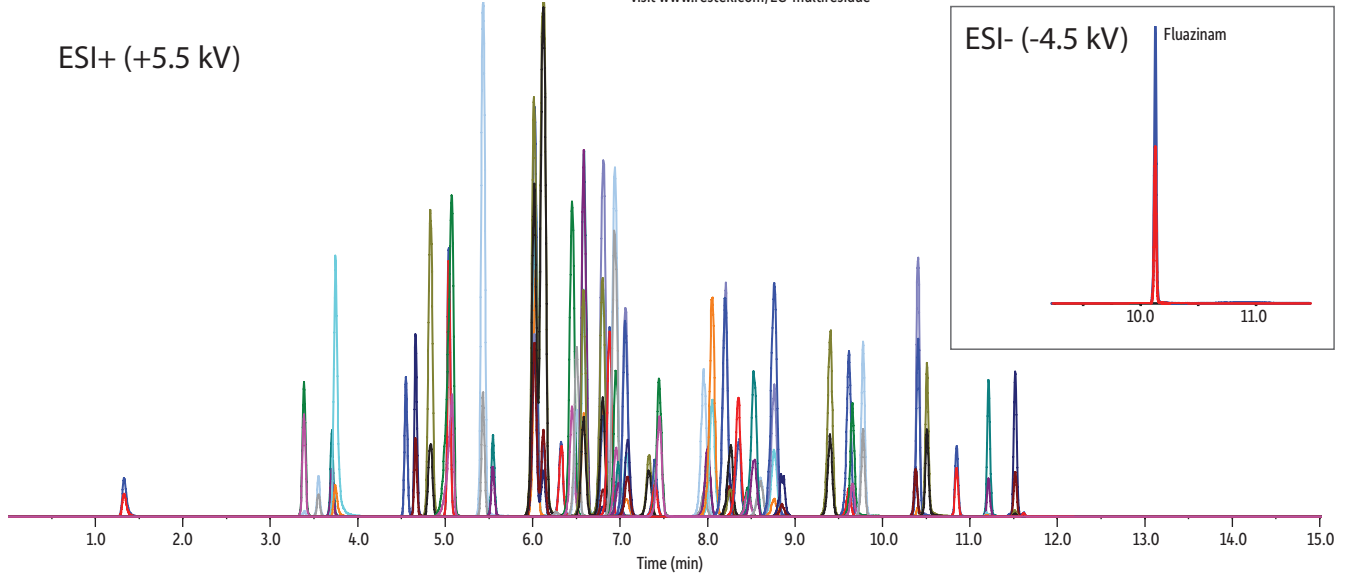


LC Multiresidue Pesticide Standard #4 on Ultra Aqueous C18 by LC-MS/MS

Peaks	t _R (min)	Precursor Ion (m/z)	Product Ion 1 (m/z)	Product Ion 2 (m/z)	Peaks	t _R (min)	Precursor Ion (m/z)	Product Ion 1 (m/z)	Product Ion 2 (m/z)
1. Cyromazine	1.3	167.1	85.1	125.1	35. Fluoxastrobin	8.1	459.2	427.2	188.0
2. Dinotefuran	3.4	203.1	129.2	157.2	36. Mepanipyrim	8.1	224.0	106.0	77.0
3. Flonicamid	3.6	230.1	203.1	174.0	37. Tebufenozide	8.2	353.2	133.0	297.2
4. Nitenpyram	3.7	271.0	225.2	126.0	38. Picoxystrobin	8.3	368.0	145.0	205.0
5. Pymetrozine	3.8	218.0	105.0	78.0	39. Kresoxim-methyl	8.4	314.2	116.1	131.2
6. Imidacloprid	4.6	256.0	209.1	175.1	40. Carfentrazone-ethyl	8.4	412.0	346.0	366.0
7. Cymoxanil	4.7	198.9	128.2	111.2	41. Dimoxystrobin	8.5	327.1	116.0	205.0
8. Acetamiprid	4.9	223.0	126.0	99.0	42. Rotenone	8.6	395.1	213.1	192.1
9. Carbetamide	5.1	237.1	192.0	118.1	43. Cyprodinil	8.7	226.0	93.0	77.0
10. Oxadixyl	5.1	279.1	219.1	132.1	44. Zoxamide	8.7	336.1	187.0	159.0
11. Pyracarbolid	5.5	218.1	125.0	97.0	45. Amitraz	8.9	294.2	148.3	91.2
12. Imazalil	5.6	297.0	159.0	201.0	46. Benalaxyl	8.9	326.2	294.1	148.1
13. Metalaxyl	6.1	280.1	220.2	192.2	47. Famoxadone	9.0	392.0	331.0	238.0
14. Prometon	6.1	226.1	142.0	86.0	48. Benzoximate	9.5	364.0	199.0	105.0
15. Secbumeton	6.1	226.2	170.1	100.0	49. Prochloraz	9.7	376.0	308.0	70.0
16. Terbumeton	6.2	226.1	170.1	100.0	50. Clofentezine	9.8	303.0	138.0	102.0
17. Chlorantraniliprole	6.4	484.0	452.9	285.9	51. Trifloxystrobin	9.9	409.0	186.0	206.0
18. Ametryn	6.6	228.1	186.1	96.0	52. Fluazinam*	10.3	465.0	148.9	91.0
19. Halofenozide	6.6	331.2	105.0	275.1	53. Metaflumizone	10.5	507.1	178.1	287.1
20. Furalaxyl	6.7	302.1	242.1	95.0	54. Piperonyl butoxide	10.5	356.2	177.2	119.1
21. Spiroxamine isomer 1	6.7	298.2	144.2	100.1	55. Tebufenpyrad	10.5	334.0	145.0	117.0
22. Azoxystrobin	6.9	404.1	372.1	344.1	56. Pyriproxyfen	10.6	322.0	96.0	185.0
23. Fludioxinil	6.9	266.0	227.1	229.0	57. Quinoxifen	10.9	308.1	197.1	162.1
24. Spiroxamine isomer 2	6.9	298.2	144.2	100.1	58. Avermectin B1b	11.1	876.5	553.4	291.0
25. Flutolanil	7.0	324.1	242.1	262.1	59. Avermectin B1a	11.3	890.5	567.5	305.0
26. Mandipropamid	7.1	412.1	328.1	356.1	60. Fenpyroximate	11.3	422.0	366.1	135.1
27. Mepronil	7.1	270.1	119.1	228.0	61. Eprinomectin	11.3	914.6	186.2	154.2
28. Pyrimethanil	7.1	200.0	107.0	82.0	62. Doramectin	11.5	916.6	331.4	593.5
29. Boscalid	7.2	343.0	307.0	140.0	63. Fenazaquin	11.6	307.1	161.1	147.0
30. Methoxyfenozide	7.2	369.1	313.2	149.1	64. Moxidectin	11.6	640.4	528.5	498.5
31. Triadimefon	7.2	294.0	197.1	225.0	65. Ivermectin	11.7	892.6	569.5	307.3
32. Fenhexamid	7.4	302.0	97.0	55.0					
33. Myclobutanil	7.5	289.0	70.0	125.0					
34. Butafenacil	7.6	492.1	331.0	349.0					

*Fluazinam has improved response in negative mode (see inset). Isomers are numbered sequentially based on elution order. To download this retention table in XLS format, visit 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 #4 (cat.# 31975)
 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: TurboIonSpray®
 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