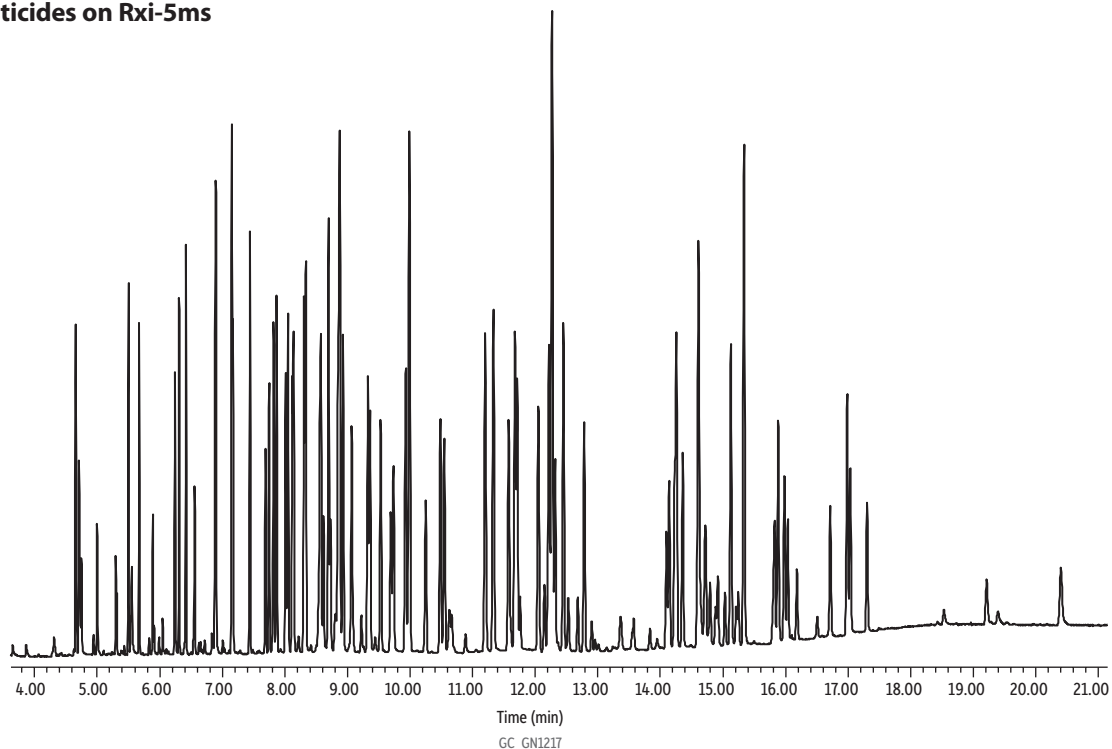


Canadian Pesticides on Rxi-5ms



Peaks	tr (min)	Mix	Peaks	tr (min)	Mix	Peaks	tr (min)	Mix
1. Dichlorvos	4.65	-	30. MGK-264 2	8.73	6	59. Fenoxycarb	12.22	1
2. Novaluron	5.01	1	31. Dodemorph 2	8.85	6	60. Acetamidprid	12.23	6
3. Mevinphos	5.50	2	32. Allethrin	8.86	3	61. Phosmet	12.26	2
4. Acephate	5.56	2	33. Fluopyram	8.87	5	62. Bifenthrin	12.28	3
5. Etridiazole	5.67	4	34. Fipronil	8.88	4	63. Bifenazate	12.32	1
6. Oxamyl	5.99	1	35. Methoprene	8.93	6	64. Etoxazole	12.45	4
7. Flonicamid	6.24	5	36. Prallethrin	9.07	3	65. Chlorantraniliprole fragment	12.52	5
8. Propoxur	6.31	1	37. Pacllobutrazol	9.33	4	66. Phenothrin 1	12.68	3
9. Ethoprophos	6.42	2	38. Tetrachlorvinphos	9.36	2	67. Phenothrin 2	12.79	3
10. Naled	6.56	2	39. Endosulfan I	9.53	6	68. Pyrethrin 1 (Cinerin)	12.90	3
11. Dimethoate	6.89	2	40. Imazalil	9.70	4	69. cis-Permethrin	14.10	3
12. Carbofuran	6.90	1	41. Fludioxonil	9.74	4	70. Spirodiclofen	14.15	3
13. Diazinon	7.15	2	42. Pyrethrin 1 (Cinerin)	9.93	3	71. trans-Permethrin	14.22	3
14. Pentachloronitrobenzene	7.17	5	43. Myclobutanil	9.94	4	72. Pyridaben	14.26	4
15. Pirimicarb	7.44	1	44. Buprofezin	9.98	5	73. Coumaphos	14.36	2
16. Spiroxamine 1	7.69	6	45. Kresoxim-methyl	10.00	6	74. Cyfluthrin	14.70-14.92	3
17. Methyl parathion	7.75	2	46. Chlorfenapyr	10.26	4	75. Spirotetramat	14.72	5
18. Carbaryl	7.82	1	47. Fensulfothion	10.49	2	76. Cypermethrin	15.03-15.34	3
19. Metalaxyl	7.87	5	48. Endosulfan II	10.55	6	77. Boscalid	15.13	5
20. Spiroxamine 2	8.01	6	49. Trifloxystrobin	11.20	6	78. Acequinocyl	15.33	6
21. Methiocarb	8.05	1	50. Propiconazole 1	11.21	4	79. Fenvalerate 1	15.98	3
22. Kinoprene	8.12	6	51. Endosulfan sulfate	11.33	6	80. Pyraclostrobin	16.04	1
23. Malathion	8.14	2	52. Propiconazole 2	11.34	4	81. Fenvalerate 2	16.18	3
24. Fenthion	8.31	2	53. Tebuconazole	11.58	4	82. Deltamethrin	16.72	3
25. Chlorpyrifos	8.33	2	54. Piperonyl butoxide	11.68	6	83. Azoxystrobin	16.99	4
26. MGK-264 1	8.56	6	55. Resmethrin	11.72	3	84. Dimethomorph 1	17.03	5
27. Dodemorph 1	8.58	6	56. Iprodione	12.04	1	85. Dimethomorph 2	17.31	5
28. Thiamethoxam	8.62	5	57. Spiromesifen	12.05	3	86. Chlorantraniliprole fragment	19.21	5
29. Cyprodinil	8.70	4	58. Tetramethrin	12.15	3	87. Cyantraniliprole	20.41	5

Column Standard/Sample Rxi-5ms, 30 m, 0.25 mm ID, 0.25 µm (cat.# 13423)
 Canadian pesticides standard #1 (cat.# 32593)
 Canadian pesticides standard #2 (cat.# 32594)
 Canadian pesticides standard #3 (cat.# 32595)
 Canadian pesticides standard #4 (cat.# 32596)
 Canadian pesticides standard #5 (cat.# 32597)
 Canadian pesticides standard #6 (cat.# 32598)
 Azadirachtin standard (cat.# 32599)
 Dichlorvos standard (cat.# 32585)

Diluent: Acetonitrile
Conc.: 10 µg/mL

Injection
Inj. Vol.: 1 µL splitless (hold 0.5 min)
Liner: Topaz 4.0 mm ID single taper inlet liner w/wool (cat.# 23447)
Inj. Temp.: 250 °C
Purge Flow: 5 mL/min

Oven
Oven Temp.: 70 °C (hold 1 min) to 220 °C at 30 °C/min to 240 °C at 5 °C/min to 315 °C at 10 °C/min (hold 10 min)

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

Detector Thermo TSQ8000
Scan Program:

Group	Start Time (min)	Scan Range (amu)	Scan Rate (scans/sec)
1	2.5	55-550	10

Transfer Line Temp.: 290 °C
Analyzer Type: Quadrupole
Source Temp.: 330 °C
Solvent Delay Time: 2.5 min
Tune Type: PFTBA
Ionization Mode: EI

Sample Preparation 100 µL of each standard was combined with 200 µL acetonitrile (final volume 1 mL) for a final concentration of 10 ppm. The sample was pipetted into a 2 mL short-cap, screw-thread vial (cat.# 21143) and capped with a short-cap, screw-vial closure (cat.# 24495).

Notes Some compounds traditionally analyzed by LC were not GC amenable and/or only fragments were detected.
 Canadian pesticide standards are also available as a kit: Canadian pesticides kit (cat.# 32592).

