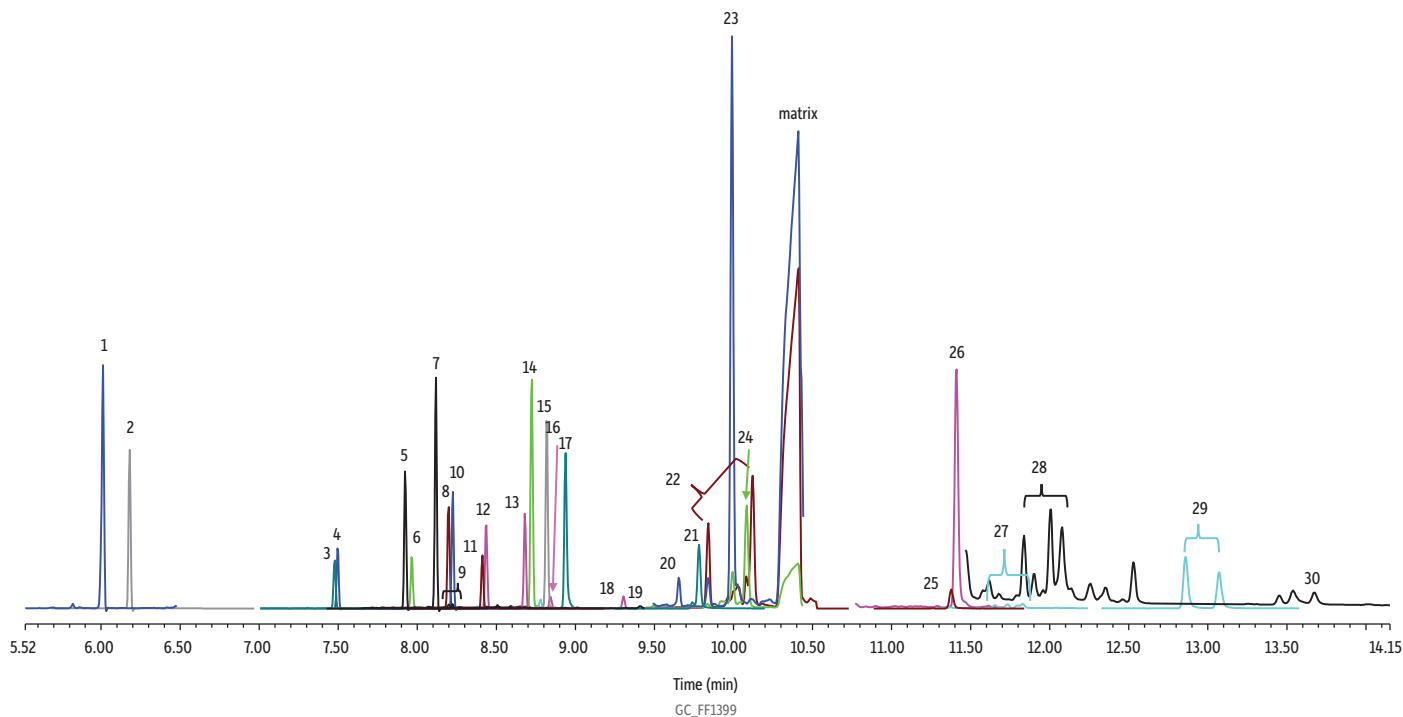


Low-Level Pesticides in Cannabis Flower on RMX-5SiI MS by GC-MS/MS



Peaks	tr (min)	Quant SRM	Qual SRM	Peaks	tr (min)	Quant SRM	Qual SRM
1. Mevinphos	6.011	127.0 / 109.1	192.0 / 127.1	16. Endosulfan I	8.84	240.9 / 121.1	240.9 / 199.1
2. Etridiazole	6.178	211.0 / 183.0	182.9 / 140.0	17. Myclobutanil	8.936	179.1 / 125.1	152.0 / 125.0
3. Pentachloronitrobenzene	7.478	213.9 / 179.0	236.9 / 143.0	18. Iprodione	9.207	244.0 / 160.0	244.0 / 187.0
4. Diazinone	7.498	152.1 / 137.1	137.0 / 84.1	19. Endosulfan II	9.302	195.0 / 159.0	207.0 / 172.0
5. Parathion methyl	7.922	263.0 / 109.1	109.0 / 79.0	20. Piperonyl butoxide	9.729	176.1 / 91.1	176.1 / 146.1
6. Metalaxyl-m	7.963	132.1 / 117.1	206.1 / 132.1	21. Tebuconazole	9.739	250.1 / 125.1	250.1 / 153.1
7. Malathione	8.118	127.1 / 99.0	173.1 / 117.1	22. Tetramethrin	9.941	164.1 / 107.1	123.1 / 81.1
8. Chlorpyrifos	8.194	197.0 / 169.0	314.0 / 257.9	23. Bifenthrin	9.991	181.1 / 165.1	166.1 / 165.1
9. Allethrin	8.219	123.1 / 122.1	79.1 / 77.1	24. Phosmet	10.072	160.0 / 77.1	133.0 / 77.1
10. Fenthion	8.224	278.0 / 109.0	278.0 / 245.1	25. Pyridaben	11.26	147.1 / 117.1	117.1 / 115.1
11. Fipronil	8.409	213.0 / 143.0	- / 212.9	26. Coumaphos	11.369	226.0 / 163.1	109.0 / 81.0
12. Cyprodinil	8.434	224.1 / 222.2	210.1 / 208.1	27. Cyfluthrin	11.651	206.1 / 151.1	163.0 / 91.1
13. Tetrachlorvinphos	8.68	328.9 / 109.1	109.0 / 79.0	28. Cypermethrin	11.954	181.1 / 152.1	163.0 / 91.1
14. Paclobutrazol	8.72	236.1 / 125.1	125.0 / 89.1	29. Fenvalerate	12.865	125.0 / 89.1	167.1 / 125.1
15. Fludioxonil	8.816	248.0 / 127.1	127.1 / 100.1	30. Deltamethrin	13.681	181.1 / 152.1	252.9 / 174.0

Column RMX-5SiI MS, 30 m, 0.25 mm ID, 0.25 µm (cat.# 17323)
Standard/Sample Canadian pesticide standards kit (cat.# 32592)
Diluent: 1:1 hexane:acetone (1% acetic acid)
Conc.: 1.7 ng/mL (0.17 pg on-column)
Injection
Inj. Vol.: 1 µL split (split ratio 10:1)
Liner: Topaz 5.0 mm ID Precision inlet liner w/wool (cat.# 23327)
Inj. Temp.: 280 °C
Oven
Oven Temp.: 50 °C (hold 1 min) to 270 °C at 30 °C/min to 300 °C at 5 °C/min (hold 0.5 min)
Carrier Gas He, constant flow
Flow Rate: 1.4 mL/min @ 50 °C
Detector TSQ 9000 MS/MS
Transfer Line Temp.: 300 °C
Aperture Size: 6 mm ID
Source Temp.: 300 °C
Tune Type: PFTBA
Ionization Mode: EI
Instrument Thermo Trace GC
Sample Preparation Cannabis flower extract was spiked at 1.7 ng/mL with select pesticides featured in the Canadian pesticides standards kit (cat.# 32592). Extracts represent a 1:5 ratio of cannabis flower in acetonitrile (1% acetic acid) further diluted in hexane and acetone. Conc. reflects approximately 0.1 µg/g pesticide in flower.