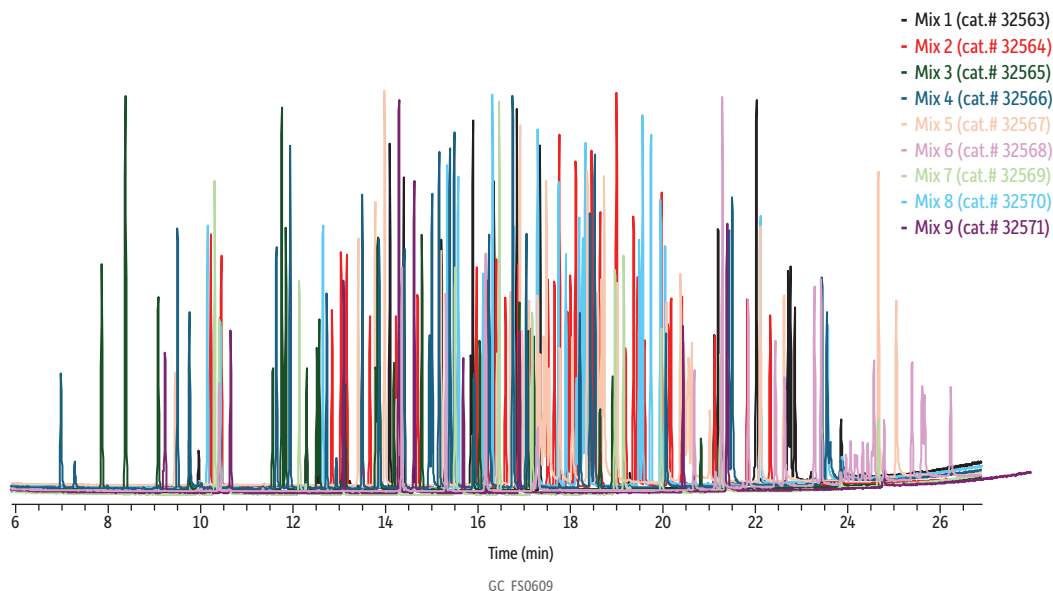


GC Multiresidue Pesticide Standards Kit on Rxi-5ms



Column Standard/Sample	Rxi-5ms, 30 m, 0.25 mm ID, 0.25 μ m (cat.# 13423) GC multiresidue pesticide standard #1 (cat.# 32563) GC multiresidue pesticide standard #2 (cat.# 32564) GC multiresidue pesticide standard #3 (cat.# 32565) GC multiresidue pesticide standard #4 (cat.# 32566) GC multiresidue pesticide standard #5 (cat.# 32567) GC multiresidue pesticide standard #6 (cat.# 32568) GC multiresidue pesticide standard #7 (cat.# 32569) GC multiresidue pesticide standard #8 (cat.# 32570) GC multiresidue pesticide standard #9 (cat.# 32571)
Diluent:	Toluene
Conc.:	10 μ g/mL
Injection	
Inj. Vol.:	1 μ L splitless (hold 0.5 min)
Liner:	Topaz, single taper inlet liner w/wool, 4.0 mm x 6.5 x 78.5 (cat.# 23447)
Inj. Temp.:	250 $^{\circ}$ C
Oven	
Oven Temp.:	90 $^{\circ}$ C (hold 1 min) to 330 $^{\circ}$ C at 8.5 $^{\circ}$ C/min (hold 5 min)
Carrier Gas	He, constant flow
Flow Rate:	1.4 mL/min
Detector	TSQ8000
SIM Program:	50-550 m/z
Transfer Line Temp.:	280 $^{\circ}$ C
Source Temp.:	325 $^{\circ}$ C
Solvent Delay Time:	5 min
Tune Type:	PFTBA
Ionization Mode:	EI
Instrument	Thermo Trace GC
Sample Preparation	Individual standards were diluted with toluene to 10 ppm and analyzed in a short-cap, screw-thread vial (cat.# 21143) and capped with a short-cap, screw-vial closure (cat.# 24495).
Notes	Standards were analyzed individually and were overlaid for this chromatogram. Standards are also available as a kit: GC multiresidue pesticide standards kit (cat.# 32562).

Peaks	tr (min)	Conc. (µg/mL)	Mix	Peaks	tr (min)	Conc. (µg/mL)	Mix	Peaks	tr (min)	Conc. (µg/mL)	Mix
1. Allidochlor	6.83	10	4	74. Anthraquinone	16.02	10	6	148. Ethion	19.32	10	8
2. Dichlobenil	7.72	10	3	75. Aldrin	16.06	10	2	149. Nonachlor, <i>cis</i> -	19.33	10	2
3. Biphenyl	8.24	10	3	76. Metolachlor	16.1	10	4	150. Chlorthiophos 3	19.40	10	8
4. Mevinphos	8.92	10	9	77. Fenthion	16.15	10	8	151. Endrin aldehyde	19.45	10	2
5. 3,4'-Dichloroaniline	8.95	10	3	78. Chlorpyrifos	16.21	10	1	152. Sulprofos	19.58	10	8
6. Etridiazole	9.31	10	5	79. Parathion	16.22	10	9	153. Triazophos	19.59	10	9
7. Pebulate	9.37	10	4	80. Dichlorobenzophenone, 4,4'-	16.26	10	2	154. Carbofenthiathion	19.78	10	8
8. N-(2,4-Dimethylphenyl)formamide	9.63	10	4	81. Triadimefon	16.28	10	5	155. 4,4'-Methoxychlor olefin	19.84	10	2
9. Tetrahydrophthalimide	9.64	10	3	82. Chlorthal-dimethyl	16.33	10	7	156. Carfentrazone ethyl	19.84	10	7
10. Methacrifos	10.00	10	8	83. Fenson	16.45	10	2	157. Edifenphos	19.88	10	8
11. Chloroneb	10.10	10	2	84. MGK 264 1	16.56	10	5	158. Norflurazon	19.93	10	4
12. 2-Phenylphenol	10.17	10	7	85. Bromophos-methyl	16.60	10	8	159. Lenacil	19.94	10	5
13. Pentachlorobenzene	10.31	10	2	86. Diphenamid	16.61	10	4	160. Endosulfan sulfate	19.97	10	2
14. Tecnazene	11.42	10	3	87. Pirimiphos-ethyl	16.71	10	1	161. DDT, <i>p,p'</i> -	20.04	10	2
15. Propachlor	11.51	10	4	88. Isodrin	16.72	10	2	162. Hexazinone	20.24	10	5
16. Diphenylamine	11.63	10	3	89. Cyprodinil	16.77	10	5	163. 2,4'-Methoxychlor	20.27	10	2
17. 2,3,5,6-Tetrachloroaniline	11.70	10	3	90. Isopropalin	16.77	10	3	164. Tebuconazole	20.31	10	5
18. Cycloate	11.8	10	4	91. MGK 264 2	16.82	10	5	165. Propargite	20.42	10	5
19. Chlorpropham	12.02	10	7	92. Chlorfenvinphos 1	16.87	10	8	166. Resmethrin 1	20.43	10	6
20. Ethalfuralin	12.18	10	3	93. Metazachlor	16.91	10	4	167. Captafol	20.48	10	5
21. Trifluralin	12.40	10	3	94. Pendimethalin	16.95	10	3	168. Piperonyl butoxide	20.50	10	9
22. Benfluralin	12.45	10	3	95. Heptachlor epoxide	16.97	10	2	169. Resmethrin 2	20.55	10	6
23. Sulfotepp	12.49	10	8	96. Penconazole	16.97	10	5	170. Nitralin	20.69	10	3
24. Phorate	12.59	10	9	97. Chlozolinate	17.05	10	7	171. Iprodione	20.88	10	5
25. Diallate 1	12.6	10	4	98. Tolyfluanid	17.07	10	3	172. Endrin ketone	20.97	10	2
26. BHC, alpha-	12.70	10	2	99. Bromfenvinphos-methyl	17.13	10	8	173. Pyridaphenthion	20.99	10	1
27. Diallate 2	12.8	10	4	100. Captan	17.13	10	5	174. Tetramethrin 1	21.00	10	6
28. Hexachlorobenzene	12.90	10	2	101. Chlorfenvinphos 2	17.13	10	8	175. Phosmet	21.06	10	1
29. Dicloran	12.99	10	3	102. Bioallethrin	17.17	10	6	176. Bromopropylate	21.12	10	7
30. Pentachloroanisole	13.02	10	2	103. Fipronil	17.17	10	5	177. EPN	21.14	10	1
31. Atrazine	13.29	10	5	104. Quinalphos	17.21	10	1	178. Tetramethrin 2	21.14	10	6
32. BHC, beta-	13.36	10	2	105. Triadimenol	17.21	10	5	179. Bifenthrin	21.15	10	6
33. Clomazone	13.36	10	4	106. Folpet	17.28	10	5	180. Methoxychlor	21.25	10	4
34. BHC, gamma-	13.52	10	2	107. Procyimidone	17.34	10	5	181. Fenproprathrin	21.3	10	4
35. Terbutylazine	13.64	10	5	108. Chlorbenside	17.37	10	2	182. Tebufenpyrad	21.37	10	4
36. Quintozene	13.65	10	3	109. Triflumizole	17.41	10	5	183. Phenothrin 1	21.59	10	6
37. Terbufos	13.66	10	8	110. Chlordane, <i>trans</i> -	17.51	10	2	184. Tetradifon	21.68	10	2
38. Pentachlorobenzonitrile	13.69	10	3	111. Bromophos-ethyl	17.58	10	8	185. Phenothrin 2	21.71	10	6
39. Fonofos	13.73	10	9	112. DDE, <i>o,p'</i> -	17.62	10	2	186. Phosalone	21.89	10	1
40. Propyzamide	13.73	10	4	113. Paclbutrazol	17.63	10	5	187. Azinphos-methyl	21.90	10	1
41. Profluralin	13.76	10	3	114. Tetrachlorvinphos	17.74	10	8	188. Leptophos	21.94	10	8
42. Pyrimethanil	13.85	10	5	115. Endosulfan I	17.79	10	2	189. Pyriproxyfen	21.97	10	5
43. Diazinon	13.97	10	1	116. Chlordane, <i>cis</i> -	17.85	10	2	190. Mirex	22.16	10	2
44. Disulfoton	14.05	10	9	117. Flutriafol	17.90	10	5	191. Cyhalothrin, lambda-	22.30	10	6
45. Fluchloralin	14.06	10	3	118. Nonachlor, <i>trans</i> -	17.96	10	2	192. Fenarimol	22.47	10	5
46. BHC, delta-	14.09	10	2	119. Chlorfenson	17.97	10	2	193. Acrinathrin	22.51	10	6
47. Terbacil	14.11	10	5	120. Fenamiphos	17.98	10	8	194. Pyrazophos	22.58	10	1
48. Chlorothalonil	14.21	10	3	121. Bromfenvinphos	18.03	10	8	195. Azinphos-ethyl	22.63	10	1
49. Tefluthrin	14.23	10	6	122. Flutolanil	18.07	10	4	196. Pyraclofos	22.73	10	1
50. Isazophos	14.27	10	1	123. Iodofenfos	18.10	10	8	197. Permethrin, <i>cis</i> -	23.14	10	6
51. Triallate	14.28	10	4	124. Prothiofos	18.15	10	8	198. Permethrin, <i>trans</i> -	23.29	10	6
52. Endosulfan ether	14.55	10	2	125. Tricyclazole	18.21	10	5	199. Pyridaben	23.3	10	4
53. Pentachloroaniline	14.64	10	3	126. Profenofos	18.22	10	8	200. Coumaphos	23.40	10	8
54. Propanil	14.82	10	4	127. Fludioxonil	18.24	10	5	201. Fluquinconazole	23.41	10	4
55. Dimethachlor	14.87	10	4	128. Pretiachlor	18.29	10	4	202. Prochloraz	23.48	10	4
56. Acetochlor	15.03	10	4	129. DDE, <i>p,p'</i> -	18.31	10	2	203. Cyfluthrin 1	23.83	10	6
57. Methyl parathion	15.06	10	9	130. Dieldrin	18.37	10	2	204. Cyfluthrin 2	23.93	10	6
58. Vinclozolin	15.06	10	5	131. Oxadiazon	18.4	10	4	205. Cyfluthrin 3	24.02	10	6
59. Chlorpyrifos-methyl	15.07	10	1	132. Myclobutanil	18.46	10	5	206. Cyfluthrin 4	24.06	10	6
60. Tolclofos-methyl	15.17	10	8	133. DDD, <i>o,p'</i> -	18.50	10	2	207. Cypermethrin 1	24.19	10	6
61. Transfluthrin	15.18	10	6	134. Oxyfluorfen	18.51	10	3	208. Cypermethrin 2	24.30	10	6
62. Heptachlor	15.25	10	2	135. Flusilazole	18.53	10	5	209. Cypermethrin 3	24.39	10	6
63. Alachlor	15.26	10	4	136. Bupirimate	18.59	10	5	210. Cypermethrin 4	24.43	10	6
64. Propisochlor	15.35	10	4	137. Nitrofen	18.77	10	3	211. Flucythrinate 1	24.43	10	6
65. Metalaxyl	15.38	10	7	138. Fluazifop-P-butyl	18.84	10	7	212. Etofenprox	24.53	10	5
66. Fenchlorphos	15.41	10	8	139. Endrin	18.85	10	2	213. Acequinocyl	24.54	10	7
67. Fenitrothion	15.72	10	1	140. Ethylan	18.86	10	2	214. Flucythrinate 2	24.66	10	6
68. Pirimiphos-methyl	15.76	10	1	141. Chlorfenapyr	18.88	10	5	215. Fluridone	24.92	10	5
69. Prodiamine	15.78	10	3	142. Chlorthiophos 1	18.94	10	8	216. Fenvalerate 1	25.25	10	6
70. Linuron	15.79	10	4	143. Chlorobenzilate	19.02	10	7	217. tau-Fluvalinate 1	25.47	10	6
71. Pentachlorothioanisole	15.83	10	2	144. Endosulfan II	19.04	10	2	218. Fenvalerate 2	25.48	10	6
72. Dichlofluanid	15.90	10	3	145. Chlorthiophos 2	19.12	10	8	219. tau-Fluvalinate 2	25.53	10	6
73. Malathion	15.96	10	8	146. DDD, <i>p,p'</i> -	19.23	10	2	220. Deltamethrin	26.09	10	6
				147. DDT, <i>o,p'</i> -	19.31	10	2				