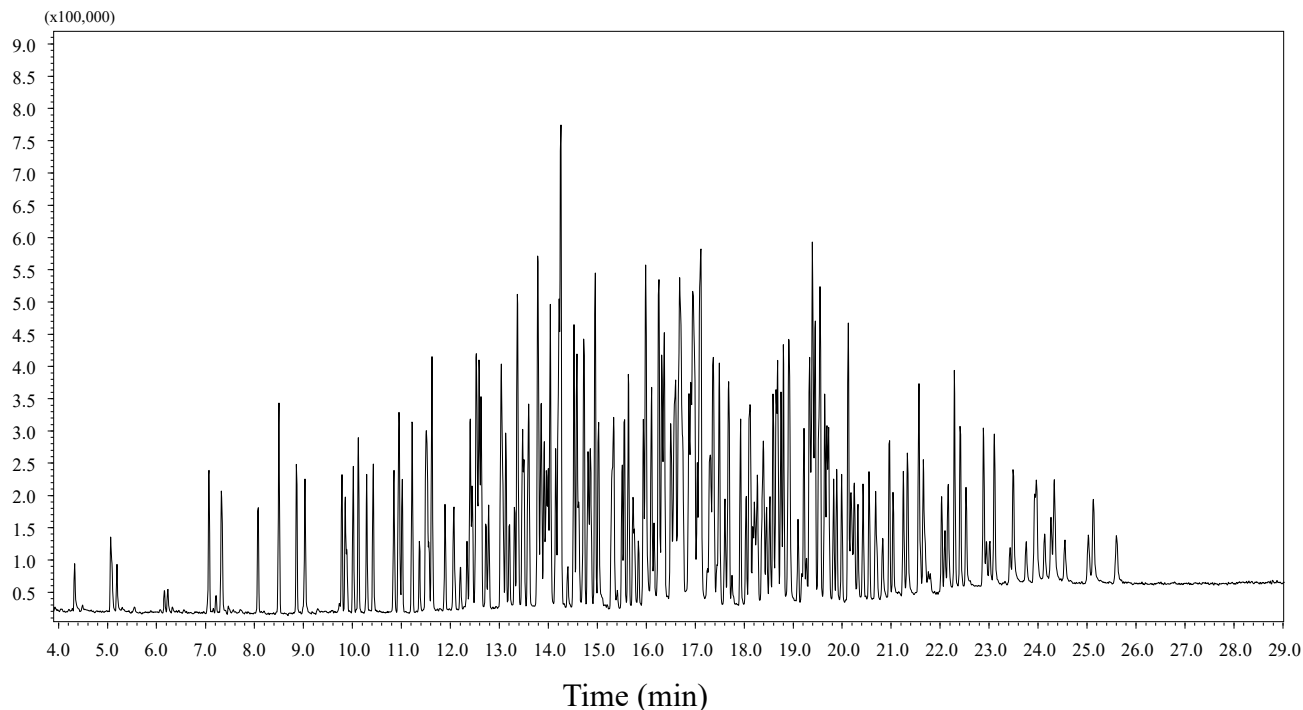


Analysis of Pesticides



Conditions

System : GC-MS system
Column : InertCap 5MS/EX (GL Sciences Inc.)
 0.25 mm I.D. x 30 m df = 0.25 μ m
Col. Cat. No. : 1010-15644
Column Temp. : 50 °C (2 min) - 7 °C/min - 310 °C (10 min)
Carrier Gas : He 40 cm/sec Constant flow
Injection : Splitless 1 min
 250 °C
Detection : GC/MS Scan [m/z = 70-400]
 Interface Temp. 310 °C
 Ion Source Temp. 230 °C
Injection Vol. : 1 μ L
Sample : Standard

Analyte :
 Pesticide mixture standard solution GCMS-
 2, 4, 5, 6, 7 (PL2005)
 each 1 ppm in Acetone

InertSearch for GC Data No. GAXXX-0942

No.	Analyte	Rt [min]	No.	Analyte	Rt [min]	No.	Analyte	Rt [min]
1	DCIP	5.07	40	Swep	12.55	79	Prometryn	14.26
2	Clofentezine	6.23	41	Propazine	12.58	80	Spiroxamine-2	14.52
3	Hymexazol	6.42	42	β -BHC	12.59	81	Terbutryn	14.53
4	Allidochlor	7.04	43	Clomazone	12.62	82	Ethofumesate	14.58
5	Nereistoxin oxalate	7.34	44	Dimethipin	12.63	83	2-(1-Naphthyl)acetamide	14.59
6	EPTC	8.07	45	Dioxathion	12.73	84	Bromacil	14.62
7	Biphenyl	8.50	46	Tolylfluaniid metabolite	12.73	85	Dichlofluaniid	14.72
8	Butylate	8.86	47	γ -BHC	12.78	86	Esprocarb	14.73
9	Chlormephos	9.03	48	Pyroquilon	13.03	87	Metolachlor	14.81
10	Clothianidin	9.44	49	Pyrimethanil	13.05	88	Diethofencarb	14.85
11	Chloroneb	9.78	50	Chlorothalonil	13.07	89	Quinoclamine	14.87
12	Crimidine	9.85	51	Prohydrojasmon	13.13	90	Cyanazine	14.95
13	Thiocyclam	9.89	52	Terbacil	13.20	91	Fenpropimorph	14.96
14	OPP	10.02	53	Triallate	13.31	92	Isofenphos oxon	15.02
15	Isoprocarb	10.12	54	Phenothiol	13.37	93	Tetraconazole	15.03
16	Molinate	10.29	55	Tebupirimphos	13.37	94	Carbetamide	15.11
17	XMC	10.42	56	δ -BHC	13.39	95	Fthalide	15.29
18	Xylylcarb	10.85	57	Prohydrojasmon-2	13.46	96	Bromophos	15.31
19	Propoxur	10.94	58	Iprobenfos	13.47	97	Diphenamid	15.34
20	Propachlor	10.96	59	Oxabetrinil	13.50	98	Thiamethoxam	15.50
21	Chlorethoxyphos	11.02	60	Benoxacor	13.58	99	Fipronil	15.50
22	Diphenylamine	11.22	61	MCPB-ethyl	13.61	100	Cyprodinil	15.55
23	Phenmedipham	11.37	62	Terbucarb	13.78	101	Chlzolinate	15.63
24	Chlorpropham	11.50	63	Benfuresate	13.79	102	Zoxamide	15.64
25	Benfluralin	11.50	64	Dimethenamid	13.80	103	Dimethametryn	15.64
26	Flusilazole metabolite	11.53	65	Propanil	13.84	104	Tolylfluaniid	15.73
27	Dichlofluaniid metabolite	11.56	66	Acetochlor	13.86	105	Ethychlozate	15.76
28	2,6-Dichlorobenzamide	11.62	67	Bromobutide	13.91	106	Diclocymet-1	15.84
29	Sulfotep	11.63	68	Metribuzin	13.95	107	Methoprene	15.94
30	Diallate-1	11.89	69	Oxpoconazole metabolite	13.97	108	Thiabendazole	15.98
31	α -BHC	12.07	70	Spiroxamine-1	14.00	109	Captan	15.99
32	Diallate-2	12.10	71	Alachlor	14.04	110	Dimepiperate	15.99
33	Desmedipham	12.21	72	Simeconazole	14.04	111	Ferimzone	16.02
34	Dicloran	12.34	73	Simetryn	14.15	112	Folpet	16.10
35	Furilazole	12.40	74	Metalaxyl	14.20	113	Bromophos-ethyl	16.11
36	Carbofuran	12.41	75	Ametryn	14.22	114	Diclocymet-2	16.16
37	Simazine	12.45	76	Dithiopyr	14.23	115	Chlorbenside	16.25
38	Atrazine	12.53	77	Cinmethylin	14.25	116	Trichlamide	16.25
39	Chlorbufam	12.53	78	Fenclofos	14.26	117	Butachlor	16.27

No.	Analyte	Rt [min]	No.	Analyte	Rt [min]	No.	Analyte	Rt [min]	No.	Analyte	Rt [min]
118	Quinomethionate	16.31	157	Nitrofen	17.38	196	Bifenthrin	19.22	235	Bitertanol-2	21.15
119	Paclobutrazol	16.32	158	Chlorthiophos-2	17.45	197	Acetamidiprid	19.22	236	Fluquinconazole	21.25
120	Disulfoton sulfone	16.35	159	Chlorobenzilate	17.49	198	Bromuconazole-1	19.27	237	Dioxathion	21.27
121	Fenothiocarb	16.37	160	Chloropropylate	17.49	199	Tetramethrin-2	19.33	238	Butafenacil	21.33
122	Ditalimfos	16.50	161	Diniconazole	17.60	200	Picolinafen	19.33	239	Cafenstrole	21.56
123	α -Endosulfan	16.52	162	Oxadixyl	17.67	201	Bromopropylate	19.36	240	Etobenzanid	21.57
124	Flutriafol	16.54	163	Chlorthiophos-3	17.69	202	Fenoxycarb	19.39	241	Cyfluthrin-1	21.60
125	Imazamethabenz methyl-1	16.54	164	β -Endosulfan	17.69	203	Bifenazate	19.39	242	Fenbuconazole	21.66
126	Imazamethabenz methyl-2	16.56	165	Mepronil	17.92	204	Etoazole	19.40	243	Cyfluthrin-2	21.70
127	Flutolanil	16.58	166	Carfentrazone-ethyl	18.04	205	Methoxychlor	19.44	244	Cyfluthrin-3	21.76
128	Napropamide	16.60	167	Isoxanedifen-ethyl	18.10	206	Fenpropathrin	19.45	245	Cyfluthrin-4	21.80
129	(E)-Metominostrobin	16.65	168	Azamethiphos	18.11	207	Fenamidone	19.52	246	Halfeoprox	22.03
130	Pretilachlor	16.68	169	Benalaxyl	18.13	208	Etoazole metabolite	19.55	247	Flucythrinate-1	22.10
131	Fludioxonil	16.69	170	Chlornitrofen	18.17	209	Tebufenpyrad	19.55	248	Silafluofen	22.10
132	Hexaconazole	16.71	171	Norflurazon	18.21	210	Bifenox	19.64	249	Quizalofop-ethyl	22.16
133	Chlorfenoson	16.71	172	Propiconazole-1	18.24	211	Indanofan	19.65	250	Flucythrinate	22.29
134	TCMTB	16.72	173	Pyraflufen-ethyl	18.27	212	Furametpyr	19.69	251	Etofenprox	22.29
135	Isoprothiolane	16.75	174	Propiconazole-2	18.36	213	Bromuconazol-2	19.70	252	Fluridone	22.53
136	Flamprop-methyl	16.87	175	Lenacil	18.38	214	Phenothrin	19.72	253	Fenvalerate-1	22.89
137	Tricyclazole	16.90	176	Endosulfan sulfate	18.40	215	Clomeprop	19.73	254	Flumioxazin	22.89
138	Tribufos	16.91	177	Chloridazone	18.45	216	Iprodione metabolite	19.83	255	Fluvalinate-1	22.95
139	Myclobutanil	16.94	178	Hexazinone	18.52	217	Phenothrin-2	19.83	256	Fluvalinate-2	23.01
140	Flusilazole	16.95	179	Thenylchlor	18.59	218	Pentoxazone	19.89	257	Pyraclostrobin	23.02
141	Kresoxim-methyl	16.97	180	Diclofop-methyl	18.65	219	Leptophos	19.99	258	Fenvalerate-2	23.11
142	Buprofezin	16.99	181	Propargite-1	18.65	220	Pyriproxyfen	20.12	259	Fenvalerate-2	23.11
143	(Z)-Metominostrobin	17.04	182	Tebuconazole	18.68	221	Cyhalofop-butyl	20.13	260	Pyrazoxyfen	23.35
144	Diclobutrazol	17.08	183	Propargite-2	18.68	222	Furametpyr metabolite	20.18	261	Difenoconazole-1	23.43
145	Imibenconazol desbenzyl type	17.09	184	Resmethrin-1	18.69	223	Amitraz	20.23	262	Indoxacarb	23.49
146	Carboxin	17.09	185	Nitralin	18.75	224	Mefenacet	20.25	263	Difenoconazole-2	23.50
147	Chlorfenapyr	17.11	186	Piperonyl butoxide	18.75	225	Acrinathrin	20.32	264	Deltamethrin	23.76
148	Azaconazole	17.11	187	Resmethrin-2	18.80	226	Pyrazophos	20.43	265	Flumiclorac-pentyl	23.93
149	Cyflufenamide	17.12	188	Resmethrin-2	18.80	227	Fenarimol	20.55	266	Azoxystrobin	23.97
150	Chlorthiophos-1	17.25	189	Mefenpyr-diethyl	18.90	228	Azinphos-ethyl	20.68	267	Dimethomorph-1	24.14
151	Fenoxanil-1	17.30	190	Zoxamide	18.92	229	Dialifor	20.71	268	Famoxadone	24.27
152	Fenoxanil-2	17.30	191	Captafol	18.92	230	Oryzalin	20.80	269	Tolfenpyrade	24.33
153	Cyproconazole-1	17.30	192	Epoxiconazole	18.93	231	Fenoxaprop-ethyl	20.83	270	Dimethomorph-2	24.55
154	Cyproconazole-2	17.30	193	Iprodione	19.10	232	Spirodiclofen	20.96	271	Imibenconazole	25.03
155	1,1-Dichloro-2,2-bis(p-ethylphenyl)ethane	17.36	194	Chloromethoxynil	19.10	233	Oxpoconazole	20.96	272	Cinidon-ethyl	25.13
156	Flufenpyr-ethyl	17.37	195	Tetramethrin-1	19.18	234	Bitertanol-1	21.04	273	Fluthiacet-methyl	25.61