

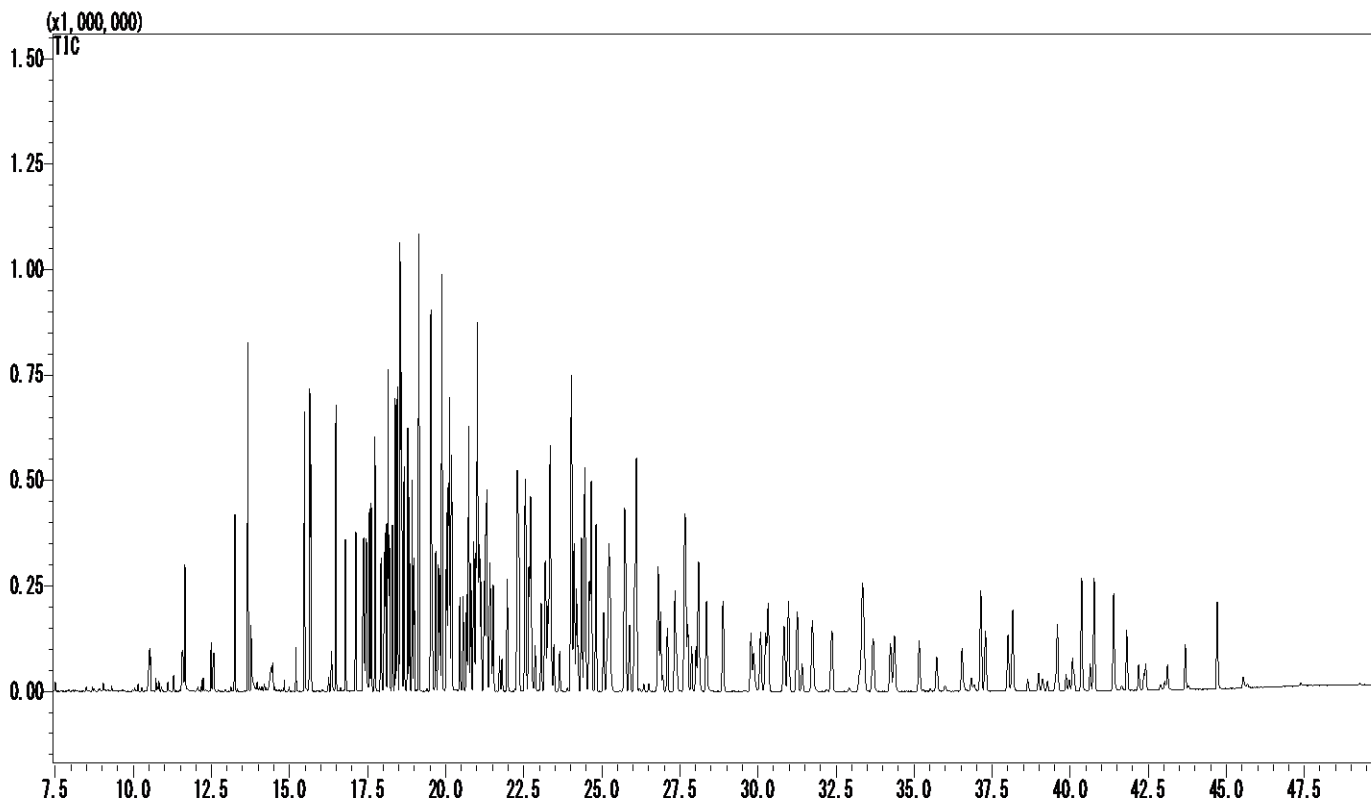
# InertSearch™ for GC

InertCap® Applications

## Pesticides

Data No. GA227-0904

*This chromatogram was provided by Saika Technological Institute Foundation.*



### Conditions

**System** : GC-MS  
**Column** : InertCap Pesticides  
0.25 mm I.D. x 30 m df=0.20 µm  
**Col. Cat. No.** : 1010-11249  
**Col. Temp.** : 50 °C ( 3 min hold ) - 10 °C/min - 200 °C - 3 °C/min -  
230 °C ( 5 min hold ) - 5 °C/min - 300 °C ( 8 min hold )  
**Carrier Gas** : He 36.3 cm/sec  
**Injection** : Splitless 2 min  
250 °C  
**Detection** : MS Scan (  $m/z = 50 - 500$  )  
Interface Temp. 300 °C

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No.	Compound name	RT	No.	Compound name	RT
1	Phoxim	10.490	51	Chlorpyrifos-methyl	19.679
2	Clofentezine	10.498	52	Metribuzin	19.765
3	DDVP-d	11.593	53	Malaoxon	19.810
4	DDVP	11.652	54	Methyl-Parathion	19.885
5	Methamidophos	11.569	55	Alachlor	19.871
6	Carbofuran-1	12.489	56	Tolclofos-methyl	19.879
7	EPTC	13.249	57	Simetryn	20.027
8	Biphenyl	13.663	58	Metalaxyl	20.080
9	Propamocarb	13.770	59	Cinmethylin	20.119
10	Acephate-d	14.393	60	Prometryn	20.179
11	Acephate	14.461	61	Dithiopyr	20.202
12	OPP	15.475	62	Pirimiphos methyl	20.455
13	Isoprocarb	15.646	63	Fenitrothion	20.557
14	Molinate	15.679	64	(Z)-Dimethylvinphos	20.667
15	Omethoate	16.341	65	(E)-Dimethylvinphos	21.054
16	Fenobucarb	16.483	66	Probenazole	20.728
17	Ethoprophos	16.794	67	Esprocarb	20.727
18	Chlorpropham	17.111	68	Malathion	20.808
19	Triflurarin	17.126	69	Metolachlor	20.902
20	Monocrotophos	17.440	70	Chlorpyrifos	20.969
21	Cadusafos	17.369	71	Benthiocarb	21.015
22	Phorate	17.466	72	Diethofencarb	21.086
23	$\alpha$ -BHC	17.559	73	Aldrin	21.016
24	HCB	17.619	74	Fenthion	21.132
25	Thiometon	17.739	75	Parathion	21.226
26	Dimethoate	17.927	76	Isofenphos-oxon	21.280
27	Carbofuran-2	18.039	77	Triadimefon	21.317
28	Simazine	18.082	78	Isocarbophos	21.414
29	Atrazine	18.150	79	DCBP (Dicofol)	21.450
30	Triflumizole Metabolite	18.150	80	Fthalide	21.521
31	$\beta$ -BHC	18.196	81	Fosthiazate-1	21.724
32	$\gamma$ -BHC	18.296	82	Fosthiazate-2	21.803
33	Terbufos	18.387	83	Pendimethalin	21.971
34	Cyanophos	18.445	84	$\beta$ -Chlorfenvinphos	21.995
35	Diazinon	18.459	85	Isophenphos	22.290
36	Propyzamide	18.533	86	(E)-Pyrifenox	22.324
37	Diazinon-2	18.537	87	$\alpha$ -Chlorfenvinphos	22.343
38	Pyroquilon	18.570	88	Phenthoate	22.540
39	IS:Phenanthrene-d10	18.594	89	Quinalphos	22.562
40	Pyrimetanil	18.668	90	TBZ	22.731
41	Disulfoton	18.787	91	Procymidone	22.662
42	Tefluthrin	18.839	92	Triadimenol	22.709
43	Etrimfos	18.931	93	Triflumizole	22.730
44	$\delta$ -BHC	18.990	94	Methopren	22.864
45	Pirimicarb	19.136	95	Methidathion	23.058
46	Iprobenfos	19.141	96	Propaphos	23.172
47	Benfuresate	19.530	97	(Z)-Pyrifenox	23.211
48	Dichlofenthion	19.517	98	Tetrachlorvinphos	23.271
49	MEP-oxon	19.577	99	Paclobutrazole	23.320
50	Dimethenamid	19.540	100	Vamidothion	23.392

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101	Butachlor	23.350	151	EPN	30.245
102	Endosulfan-1	23.464	152	Bifenthrin	30.321
103	Butamifos	23.657	153	Etoazole	30.844
104	Flutolanil	24.023	154	Fenpropathrin	30.975
105	Imazalil	24.030	155	Tebufenpyrad	31.255
106	Hexaconazole	24.007	156	Bifenox	31.419
107	Prothiofos	24.038	157	Furametpyr	31.749
108	Pretilachlor	24.111	158	Phosalone	32.372
109	Isoprothiolane	24.188	159	Mefenacet	33.388
110	Fludioxonil	24.437	160	Pyriproxyfen	33.342
111	Profenofos	24.233	161	Mirex	33.250
112	DDE	24.349	162	Cyhalofop-butyl	33.691
113	Uniconazole P	24.451	163	Cyhalothrin	34.250
114	Dieldrin	24.474	164	Fenarimol	34.373
115	Myclobutanil	24.601	165	Acrinathrin	35.159
116	Flusilazole	24.663	166	Pyraclufos	35.728
117	Buprofezin	24.663	167	Bitertanol-1	36.534
118	Kresoxim-methyl	24.811	168	<i>cis</i> -Permethrin	36.837
119	Cinerin I	24.828	169	Bitertanol-2	36.913
120	Chlorfenapyl	25.059	170	Pyridaben	37.136
121	Isoxathion	25.220	171	<i>trans</i> -Permethrin	37.284
122	Cyproconazole	25.197	172	Etobenzanid	37.999
123	Endrin	25.264	173	Cafenstrole	38.160
124	( <i>Z</i> )-Pyriminobac-methyl	25.771	174	Cyfluthrin-1	38.644
125	Chlorbenzilate	25.736	175	Cyfluthrin-2	38.986
126	Endosulfan-2	25.748	176	Cyfluthrin-3	39.104
127	Fensulfothion	25.890	177	Cyfluthrin-4	39.267
128	DDD	26.051	178	Cypermethrin	39.528
129	Ethion	26.109	179	Halfenprox	39.592
130	<i>o,p'</i> -DDT	26.101	180	Cypermethrin-1	39.863
131	JasmolinI	26.342	181	Cypermethrin-2	39.976
132	Mepronil	26.806	182	Flucythrinate	40.065
133	Triazophos	26.885	183	Cypermethrin	40.123
134	PyrethrinI	26.500	184	Ethofenprox	40.367
135	CNP	27.103	185	Flucythrinate	40.643
136	Edifenphos	27.337	186	Silafluofen	40.772
137	Propiconazole-1	27.399	187	Pyrimidifen	41.384
138	Lenacil	27.752	188	Fenvalerate-1	41.810
139	( <i>E</i> )-Pyriminobac-methyl	27.679	189	Fluvalinate-1	42.191
140	Propiconazole-2	27.660	190	Fenvalerate-2	42.360
141	<i>p,p'</i> -DDT	27.637	191	Fluvalinate-2	42.415
142	Pyraflufen-ethyl	27.875	192	<i>cis</i> -Difenoconazole	42.882
143	EPN-oxon	28.016	193	<i>trans</i> -Difenoconazole	43.029
144	Thenylchlor	28.101	194	Pyrazoxyfen	43.112
145	Tebuconazole	28.347	195	Deltamethrin	43.691
146	Piperonyl butoxide	28.881	196	Tolfenpyrad	44.703
147	Acetamiprid	29.895	197	Imibenconazole	45.530
148	Pyridaphenthion	29.772			
149	Iprodione	29.861			
150	Phosmet	30.087			