InertSearch for LC

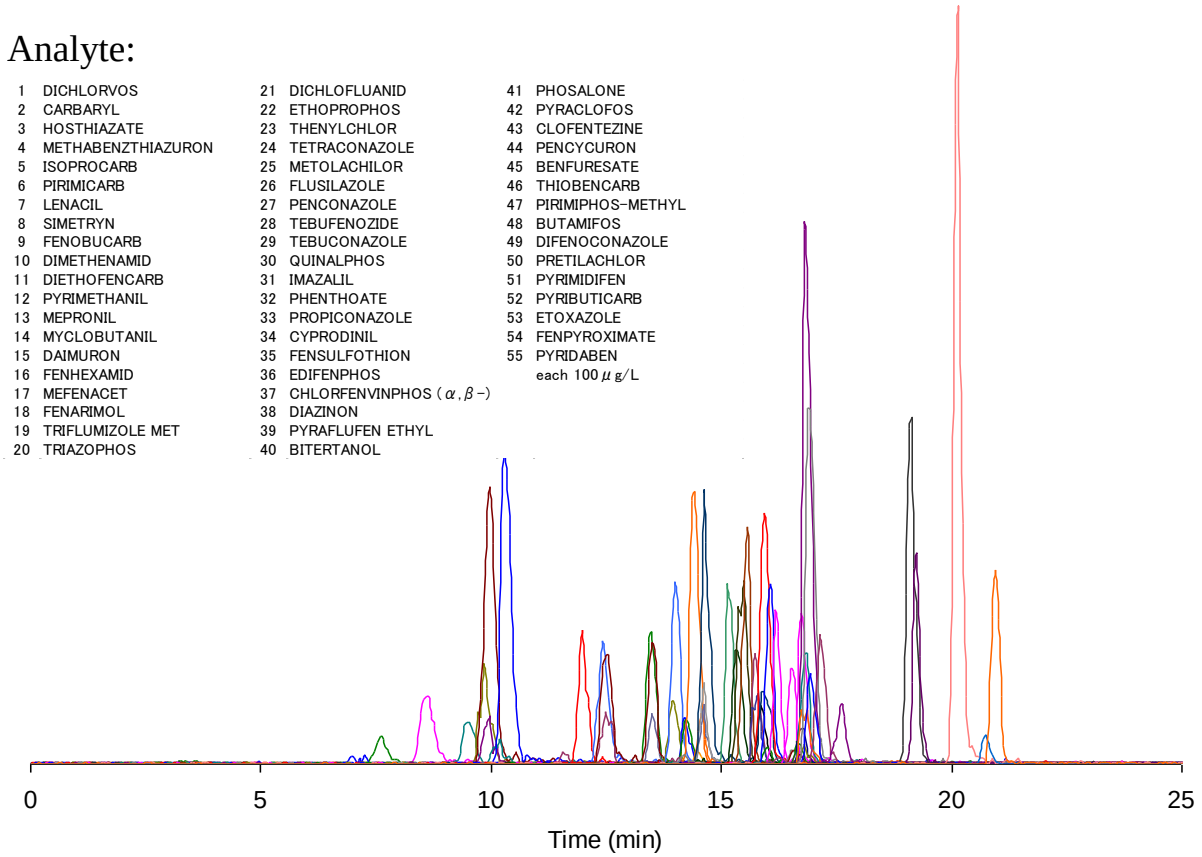
Inertsil Applications

Analysis of 55 kinds of Pesticides

Data No. LA567-0696

Analyte:

1	DICHLORVOS	21	DICHLOFLUANID	41	PHOSALONE
2	CARBARYL	22	ETHOPROPHOS	42	PYRACLOFOS
3	HOSTHIAZATE	23	THENYLCHLOR	43	CLOFENTEZINE
4	METHABENZTHIAZURON	24	TETRACONAZOLE	44	PENCYCURON
5	ISOPROCARB	25	METOLACHILOR	45	BENFURESATE
6	PIRIMICARB	26	FLUSILAZOLE	46	THIOBENCARB
7	LENACIL	27	PENCONAZOLE	47	PIRIMIPHOS-METHYL
8	SIMETRYN	28	TEBUFENOZIDE	48	BUTAMIFOS
9	FENOBUCARB	29	TEBUCONAZOLE	49	DIFENOCONAZOLE
10	DIMETHENAMID	30	QUINALPHOS	50	PRETILACHLOR
11	DIETHOFENCARB	31	IMAZALIL	51	PYRIMIDIFEN
12	PYRIMETHANIL	32	PHENTHOATE	52	PYRIBUTICARB
13	MEPRONIL	33	PROPICONAZOLE	53	ETOXAZOLE
14	MYCLOBUTANIL	34	CYPRODINIL	54	FENPYROXIMATE
15	DAIMURON	35	FENSULFOTHION	55	PYRIDABEN
16	FENHEXAMID	36	EDIFENPHOS		each 100 μg/L
17	MEFENACET	37	CHLORFENVINPHOS (α,β-)		
18	FENARIMOL	38	DIAZINON		
19	TRIFLUMIZOLE MET	39	PYRAFLUFEN ETHYL		
20	TRIAZOPHOS	40	BITERTANOL		



Conditions

System : Symbiosis Pharma system
Column : Inertsil ODS-SP (3 μm, 50 x 2.1 mm I.D)
Column Cat. No.: 5020-02812
Eluent : A) CH_3OH
B) 2 mM CH_3COONH_4
A/B = 30/70 - 20 min. - 90/10, v/v
Flow Rate : 0.2 mL/min
Col. Temp. : 40 ℃
Detection : LC/MS/MS (ESI, Pos., MRM, Q1/Q3 conditions were in Supplemental Data)
Injection Vol. : 10 μL
Analyte : Pesticides

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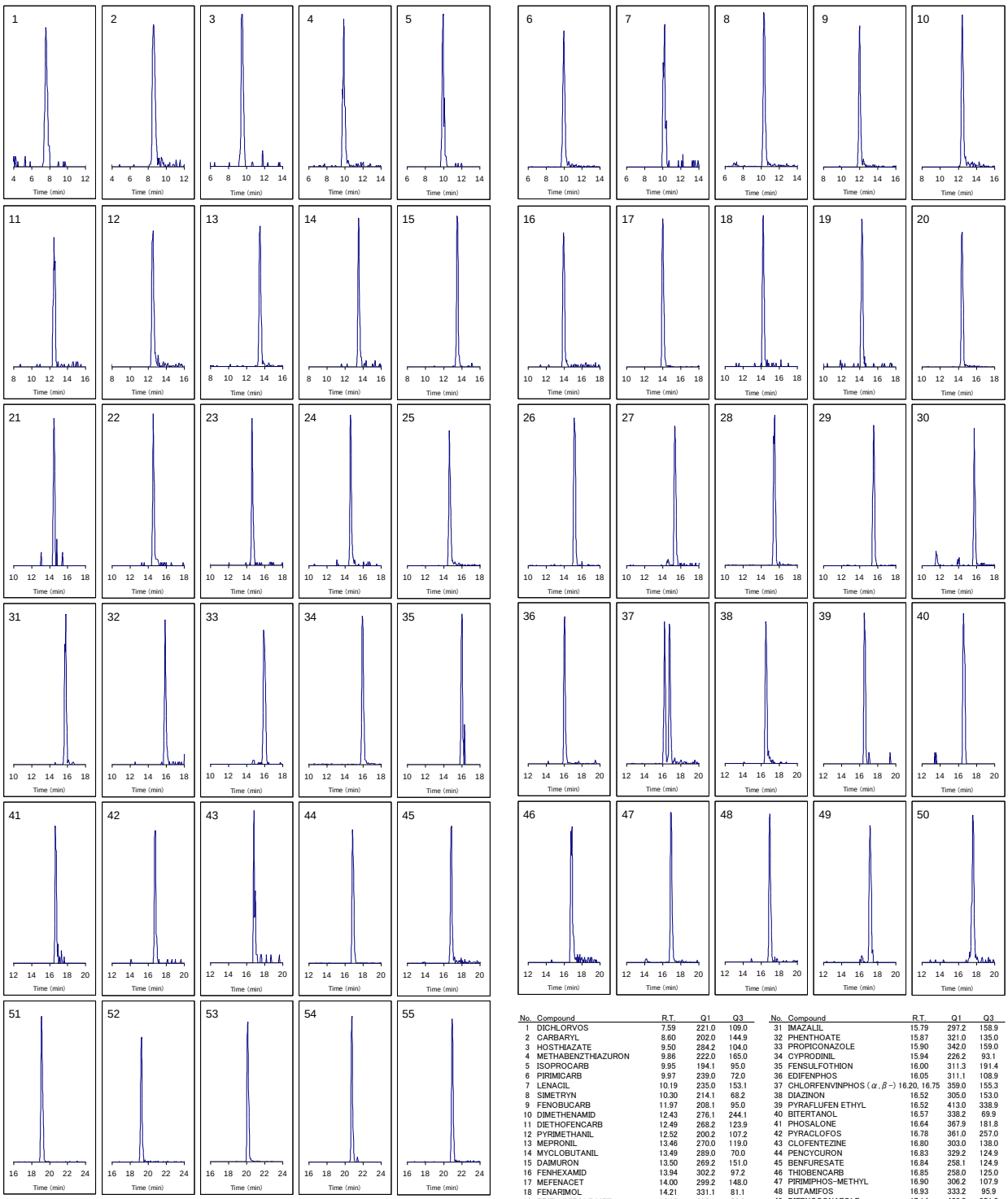
Supplemental Data



No.	Compound	R.T.	Q1	Q3
1	DICHLORVOS	7.59	221.0	109.0
2	CARBARYL	8.60	202.0	144.9
3	HOSTHIAZATE	9.50	284.2	104.0
4	METHABENZTHIAZURON	9.86	222.0	165.0
5	ISOPROCARB	9.95	194.1	95.0
6	PIRIMICARB	9.97	239.0	72.0
7	LENACIL	10.19	235.0	153.1
8	SIMETRYN	10.30	214.1	68.2
9	FENOBUCARB	11.97	208.1	95.0
10	DIMETHENAMID	12.43	276.1	244.1
11	DIETHOFENCARB	12.49	268.2	123.9
12	PYRIMETHANIL	12.52	200.2	107.2
13	MEPRONIL	13.46	270.0	119.0
14	MYCLOBUTANIL	13.49	289.0	70.0
15	DAIMURON	13.50	269.2	151.0
16	FENHEXAMID	13.94	302.2	97.2
17	MEFENACET	14.00	299.2	148.0
18	FENARIMOL	14.21	331.1	81.1
19	TRIFLUMIZOLE MET	14.25	295.1	73.2
20	TRIAZOPHOS	14.40	314.1	162.0
21	DICHLOFLUANID	14.48	333.0	122.9
22	ETHOPROPHOS	14.56	243.1	130.9
23	THENYLCHLOR	14.61	324.1	126.9
24	TETRACONAZOLE	14.61	372.0	158.9
25	METOLACHILOR	14.63	284.2	252.1
26	FLUSILAZOLE	15.14	316.2	165.1
27	PENCONAZOLE	15.33	284.0	159.0
28	TEBUFENOZIDE	15.48	353.3	133.2
29	TEBUCONAZOLE	15.55	308.1	70.0
30	QUINALPHOS	15.75	299.2	147.2

No.	Compound	R.T.	Q1	Q3
31	IMAZALIL	15.79	297.2	158.9
32	PHENTHOATE	15.87	321.0	135.0
33	PROPICONAZOLE	15.90	342.0	159.0
34	CYPRODINIL	15.94	226.2	93.1
35	FENSULFOTHION	16.00	311.3	191.4
36	EDIFENPHOS	16.05	311.1	108.9
37	CHLORFENVINPHOS (α, β−)	16.20, 16.75	359.0	155.3
38	DIAZINON	16.52	305.0	153.0
39	PYRAFLUFEN ETHYL	16.52	413.0	338.9
40	BITERTANOL	16.57	338.2	69.9
41	PHOSALONE	16.64	367.9	181.8
42	PYRACLOFOS	16.78	361.0	257.0
43	CLOFENTEZINE	16.80	303.0	138.0
44	PENCYCURON	16.83	329.2	124.9
45	BENFURESATE	16.84	258.1	124.9
46	THIOBENCARB	16.85	258.0	125.0
47	PIRIMIPHOS-METHYL	16.90	306.2	107.9
48	BUTAMIFOS	16.93	333.2	95.9
49	DIFENOCONAZOLE	17.14	406.0	251.0
50	PRETILACHLOR	17.60	312.1	251.9
51	PYRIMIDIFEN	19.10	378.1	184.0
52	PYRIBUTICARB	19.24	331.2	181.1
53	ETOXAZOLE	20.12	360.1	140.8
54	FENPYROXIMATE	20.74	422.1	366.0
55	PYRIDABEN	20.95	365.0	147.2

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