

InertSearch™ for LC

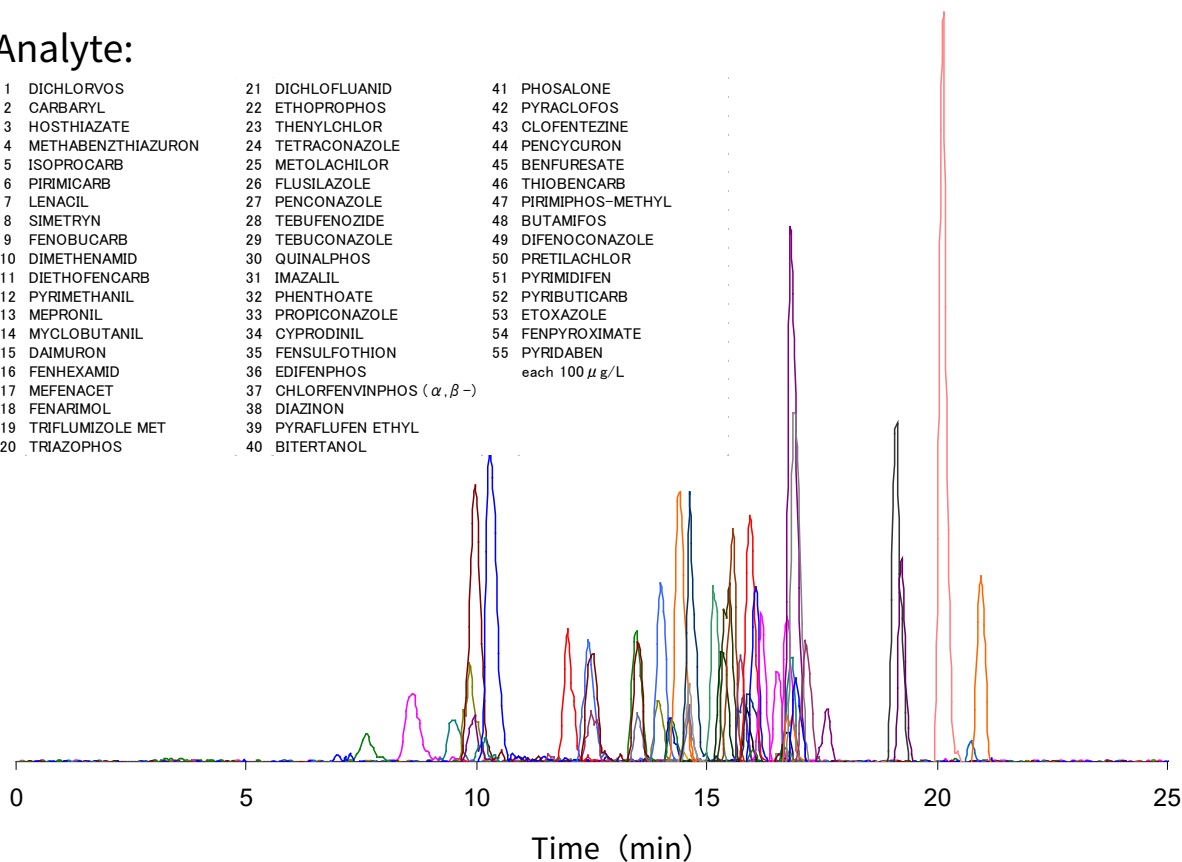
Inertsil® Applications

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 METOLACHLOR	45 BENFURESATE
6 PIRIMICARB	26 FLUSILAZOLE	46 THIOMBENCARB
7 LENACIL	27 PENCONAZOLE	47 PIRIMIPHOS-METHYL
8 SIMETRYN	28 TEBUFENOZIDE	48 BUTAMIFOS
9 FENOBUICARB	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	



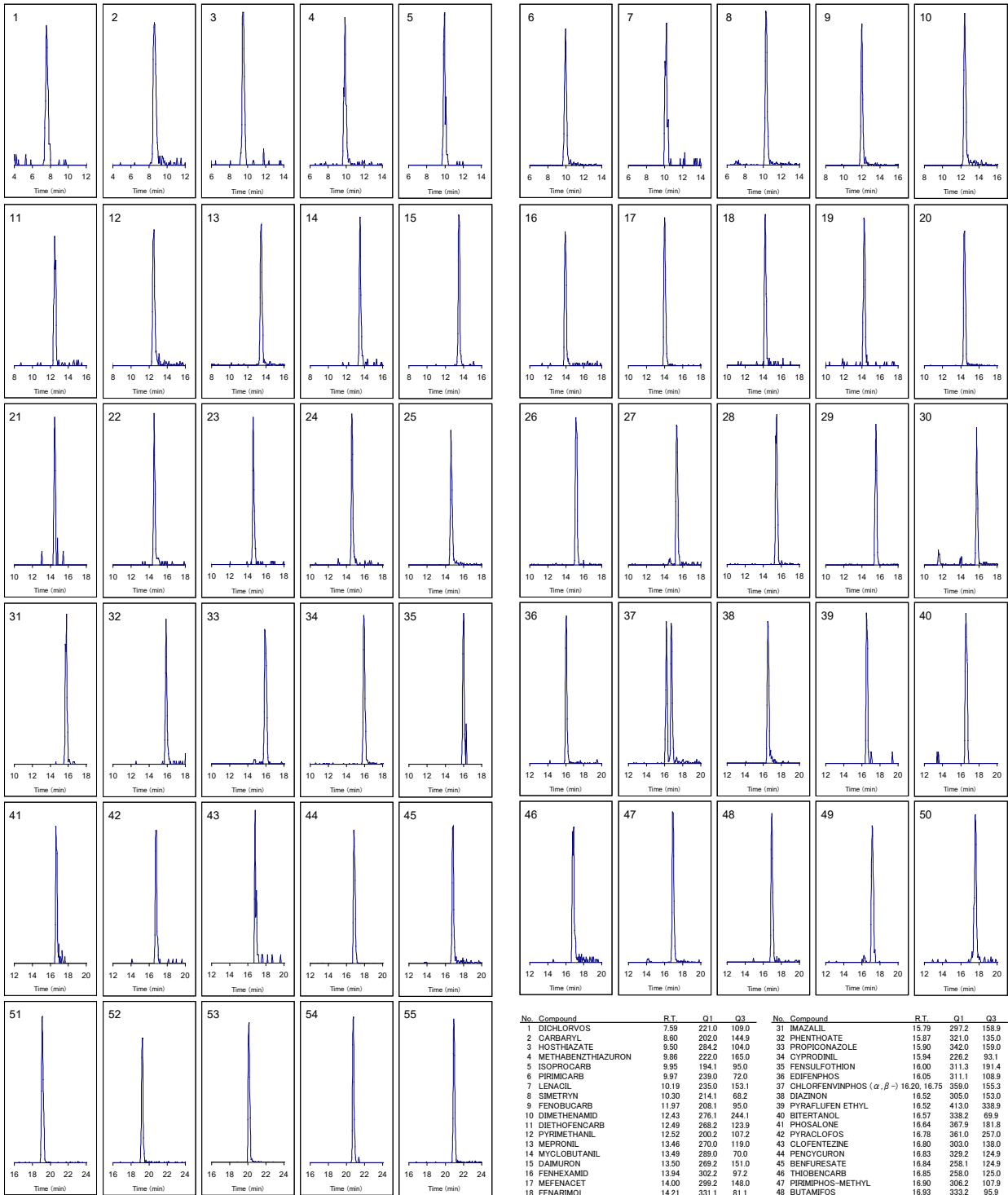
Conditions

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 ₃ OH B) 2 mM CH ₃ COONH ₄ A/B = 30/70 - 20 min. - 90/10, v/v
Flow Rate	: 0.2 mL/min
Col. Temp.	: 40 °C
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	RT	Q1	Q3	No.	Compound	RT	Q1	Q3
1	DICHLORVOX	7.59	2210	109.0	31	IMAZALIL	15.79	297.2	156.9
2	CARBARYL	8.60	202.0	144.9	32	PHENTHOATE	15.87	321.0	155.0
3	HOSHTHAZATE	9.50	284.2	104.0	33	PROPICONAZOLE	15.90	342.0	159.0
4	METHABENZTHIAZURON	9.86	222.0	165.0	34	CYPRODINIL	15.94	226.2	93.1
5	ISOPROCARB	9.95	194.1	95.0	35	FENSULFOTHION	16.00	311.3	191.4
6	PIRIMICARB	9.97	239.0	72.0	36	EDIFENPHOS	16.05	311.1	168.9
7	LENACIL	10.19	235.0	153.1	37	CHLORFENVINPHOS (α,β-)	16.20, 16.75	359.0	155.3
8	SIMETRIN	10.30	214.1	68.2	38	DIAZINON	16.52	305.0	153.0
9	FENOBUCARB	11.97	208.1	95.0	39	PYRAFLUFEN ETHYL	16.52	413.0	336.9
10	DIMETHENAMID	12.43	276.1	244.1	40	BIFENTRINOL	16.57	338.2	69.9
11	DIETHOFENCARB	12.49	268.2	123.9	41	PHOSALONE	16.64	367.9	181.8
12	PYRIMETHANIL	12.52	200.2	107.2	42	PYRACLOFOS	16.78	381.0	257.0
13	MEPRONIL	13.46	270.0	119.0	43	CLOFENTETZINE	16.80	303.0	138.0
14	MYCLOBUTANIL	13.49	289.0	70.0	44	PENCYCURON	16.83	329.2	124.9
15	DAMURON	13.50	269.2	151.0	45	BENFURESATE	16.84	258.1	124.9
16	FENHEXAMID	13.94	302.2	97.2	46	THIOBENCARB	16.85	258.0	125.0
17	METOLACHLOR	14.00	299.2	148.0	47	PRIMAPHOS-METHYL	16.90	306.2	107.9
18	FENARIMOL	14.21	331.1	81.1	48	BUTAMFOS	16.93	333.2	95.9
19	TRIFLUMIZOLE MET	14.25	295.1	73.2	49	DIFENOCONAZOLE	17.14	406.0	251.0
20	TRIAZOPHOS	14.40	314.1	162.0	50	PRETILACHLOR	17.60	312.1	251.9
21	DICHLORFLUANID	14.46	333.0	122.9	51	PYRIMIDIFEN	19.10	378.1	194.0
22	ETHOPROPHOS	14.56	243.1	130.9	52	PYRIBUTICARB	19.24	331.2	181.1
23	THENYLCHLOR	14.61	324.1	126.9	53	ETOXAZOLE	20.12	360.1	140.8
24	TETRAACONAZOLE	14.61	372.0	158.9	54	FENPYROXIMATE	20.74	422.1	366.0
25	METOLACHLOR	14.63	294.2	252.1	55	PYRIDABEN	20.95	365.0	147.2
26	FLUSILAZOLE	15.14	316.2	165.1					
27	PENCONAZOLE	15.33	284.0	159.0					
28	TEBUFENOXIDE	15.48	353.3	133.2					
29	TEBUCONAZOLE	15.55	308.1	70.0					
30	QUINALPHOS	15.75	299.2	147.2					