

InertSearch™ for LC

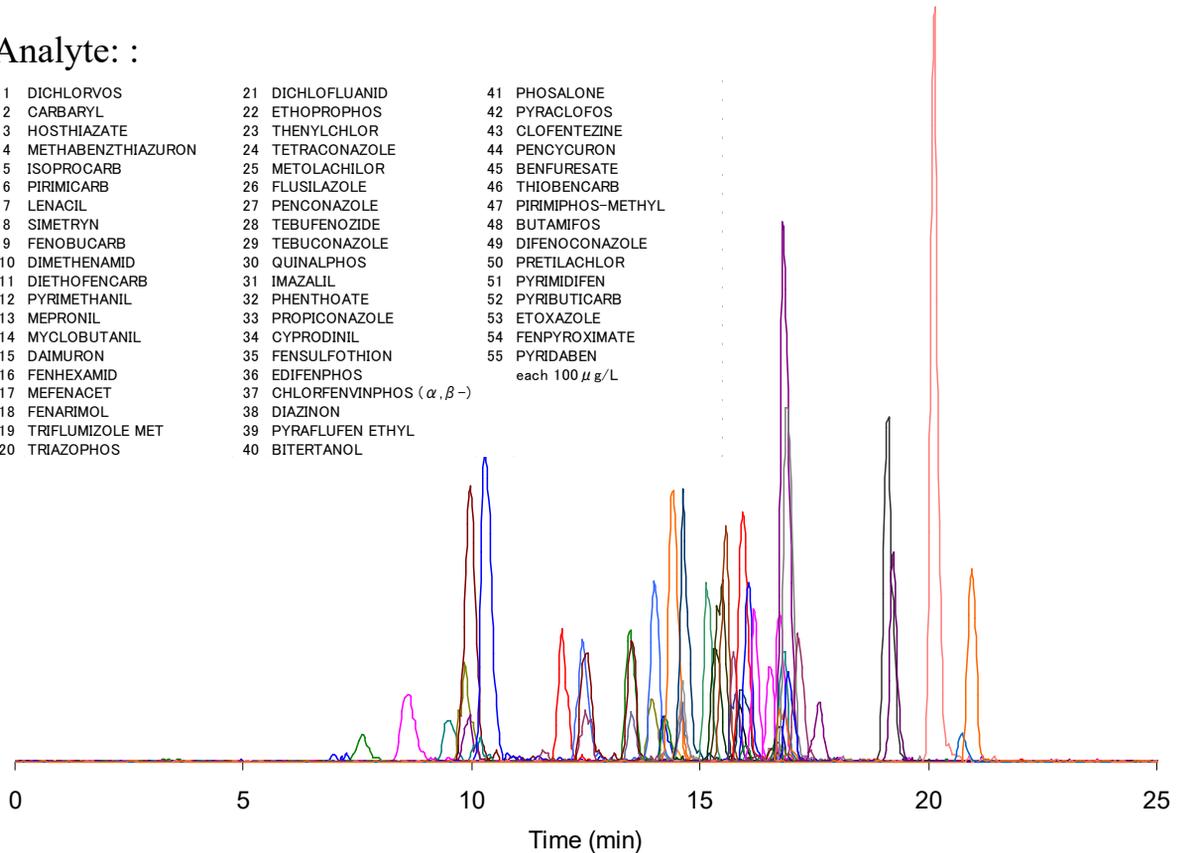
Inertsil® Applications

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 THENYLGLHOR	43 CLOFENTEZINE
4 METHABENZTHIAZURON	24 TETRACONAZOLE	44 PENCYCURON
5 ISOPROCARB	25 METOLACHILOR	45 BENFURESATE
6 PIRIMICARB	26 FLUSILAZOLE	46 THIOMBENCARB
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.:	5020-02712
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

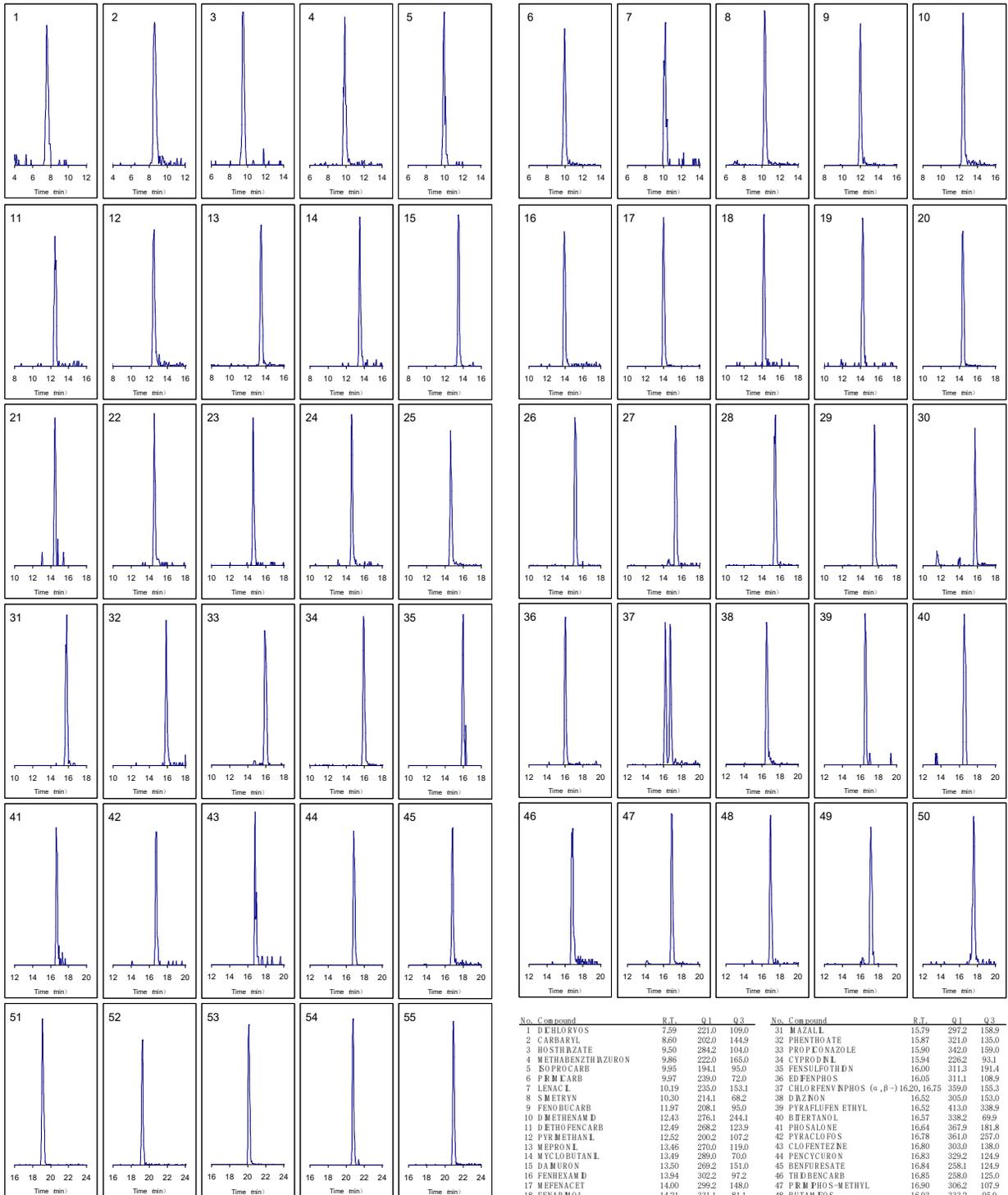
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Supplemental Data



No. Compound	R.T.	Q1	Q3	No. Compound	R.T.	Q1	Q3
1 DEHLORVOX	7.59	221.0	109.0	31 MAXAL	15.79	297.2	158.9
2 CARBARYL	8.60	202.0	144.9	32 PIRENTHOATE	15.87	321.0	155.0
3 HOSTRIZATE	9.50	284.2	104.0	33 PROPECONAZOLE	15.90	342.0	159.0
4 METHABENZTHURZURON	9.86	222.0	165.0	34 CYPRODINL	15.94	226.2	93.1
5 ISOPROCARB	9.95	194.1	95.0	35 FENSULFOTHDN	16.00	311.3	151.4
6 PIRACARB	9.97	239.0	72.0	36 DEFPENPHOS	16.05	311.1	108.9
7 LENCIL	10.19	235.0	153.1	37 CHLORFENVNPHOS (α,β-)	16.20,16.75	359.0	155.3
8 SMETRYN	10.30	214.1	68.2	38 DBZNON	16.52	305.0	153.0
9 FENOBUCARB	11.97	208.1	95.0	39 PYRALUFEN ETHYL	16.52	413.0	338.9
10 DMETHENAM D	12.43	276.1	244.1	40 DBERTANOL	16.57	338.2	69.9
11 DETHOFENCARB	12.49	268.2	123.9	41 PHOSALONE	16.64	367.9	181.8
12 PYRMETHANL	12.52	200.2	107.2	42 PYRACLOFOS	16.78	361.0	257.0
13 MEPROL	13.46	270.0	119.0	43 CLOFENTEZME	16.80	303.0	138.0
14 WICLOBUTANL	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 PENHEXAM D	13.94	302.2	97.2	46 THIOBENCARB	16.85	258.0	125.0
17 MEFENACET	14.00	299.2	148.0	47 PIRAPHOS-METHYL	16.90	306.2	107.9
18 FENARMOL	14.21	331.1	81.1	48 BUTAM FOS	16.93	333.2	95.9
19 TRIFLUM ZOLE MET	14.25	295.1	73.2	49 D FENOCONAZOLE	17.14	406.0	251.0
20 TRIZOPHOS	14.40	314.1	162.0	50 PRELACHLOR	17.60	312.1	251.9
21 DEHLOFLUAN D	14.48	333.0	122.9	51 PYR D FEN	19.10	378.1	184.0
22 ETHOPROPHOS	14.56	243.1	130.9	52 PYR BUT CARB	19.24	331.2	181.1
23 THENYLCHLOR	14.61	324.1	126.9	53 ETOXAZOLE	20.12	360.1	140.8
24 TETRACONAZOLE	14.61	372.0	158.9	54 PENPYROXIMATE	20.74	421.1	366.0
25 METOLACHLOR	14.63	294.2	252.1	55 PYR D AEN	20.95	365.0	147.2
26 FLUSLAZOLE	15.14	316.2	165.1				
27 PENCONAZOLE	15.33	284.0	159.0				
28 TEBUPENZOIDE	15.48	353.3	133.2				
29 TERBUCONAZOLE	15.55	308.1	70.0				
30 QUINALPHOS	15.75	299.2	147.2				