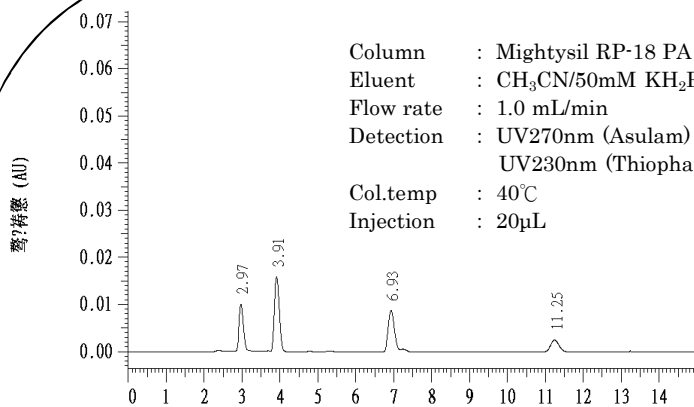


Mightysil RP-18PA

Application Data Vol.1

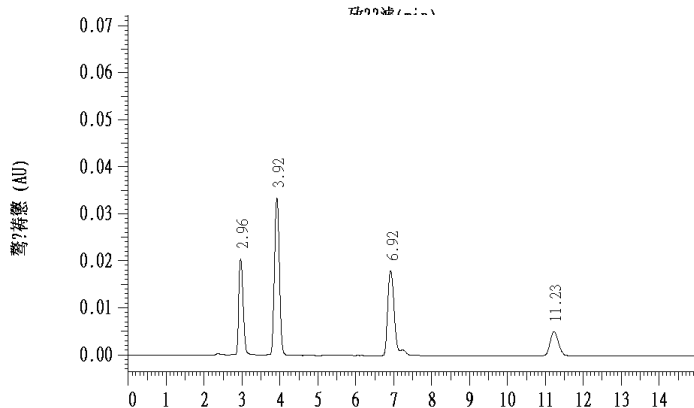


Pesticides

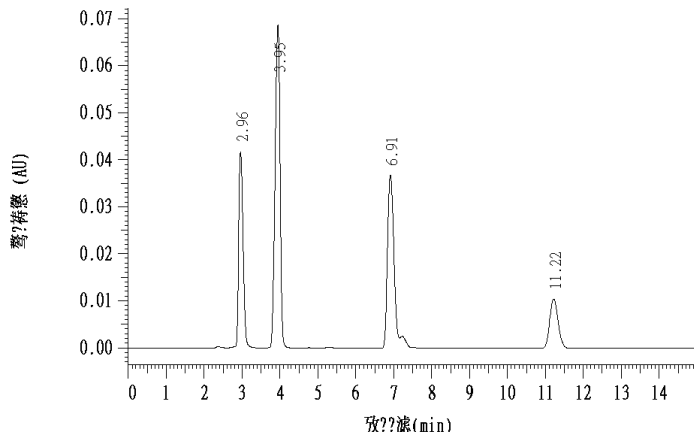


Column : Mightysil RP-18 PA 250-4.6(5μm)
 Eluent : CH₃CN/50mM KH₂PO₄(H₃PO₄→pH3.3)=55/45
 Flow rate : 1.0 mL/min
 Detection : UV270nm (Asulam)
 UV230nm (Thiophanate-methyl, Siduron, Iprodione)
 Col.temp : 40°C
 Injection : 20μL

1. Asulam	2.97min	0.5 ppm
2. Thiophanate-methyl	3.91min	1 ppm
3. Siduron	6.93min	1 ppm
4. Iprodione	11.25min	0.5 ppm



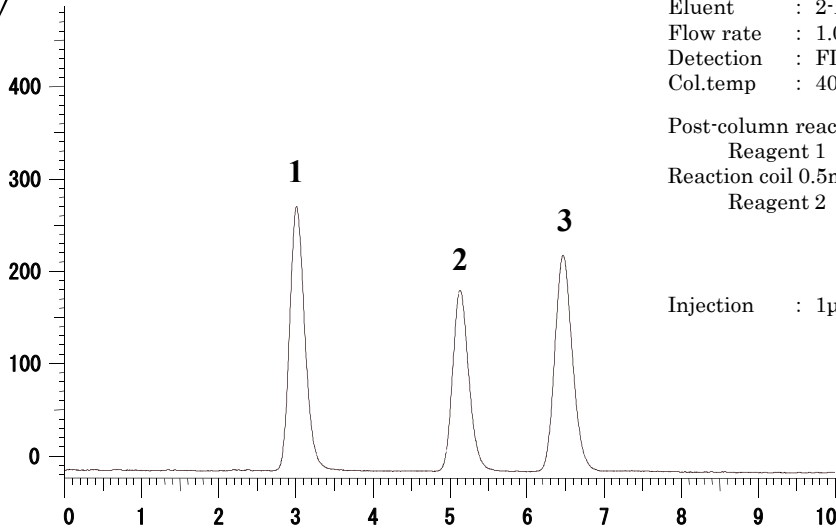
1. Asulam	2.96min	1 ppm
2. Thiophanate-methyl	3.92min	2 ppm
3. Siduron	6.92min	2 ppm
4. Iprodione	11.23min	1 ppm



1. Asulam	2.96min	2 ppm
2. Thiophanate-methyl	3.95min	4 ppm
3. Siduron	6.91min	4 ppm
4. Iprodione	11.22min	2 ppm

Product No.	Product Name	Grade	Package
34027-96	Pesticides standard solution 28	for pesticide residue analysis	2mL × 5
<composition> Iprodione, Asulam ... each 50mg/mL Thiophanate-methyl, Siduron ... each 100mg/mL			

pesticides



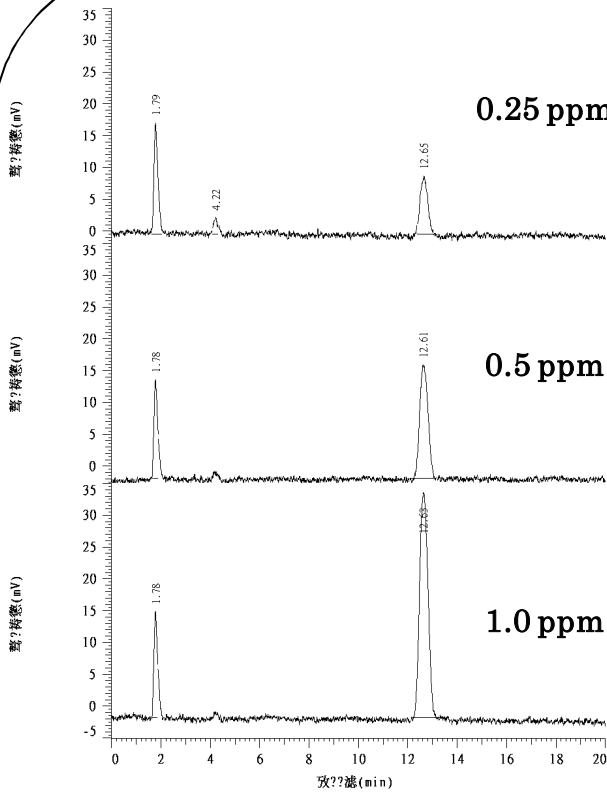
Column : Mightysil RP-18 PA 150-4.6 (5 μ m)
 Eluent : 2-Propanol/Water =30/70
 Flow rate : 1.0 mL/min.
 Detection : FL Ex 339nm, Em 455nm
 Col.temp : 40 $^{\circ}$ C

Post-column reaction system
 Reagent 1 : 50mM NaOH soln. 0.7mL/min.
 Reaction coil 0.5mmID \times 5m, 80 $^{\circ}$ C
 Reagent 2 : 6mM o-Phtalaldehyde
 30mM 2-Mercaptoethanol
 50mM Sodium Tetraborate
 in Methanol/Water=1/100 0.7mL/min.

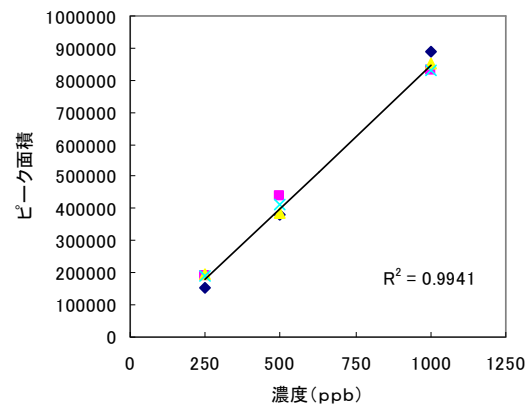
Injection : 1 μ L

- 1. Methomyl 100ppm
- 2. Carbofuran 100ppm
- 3. Carbaryl 100ppm

Carbaryl

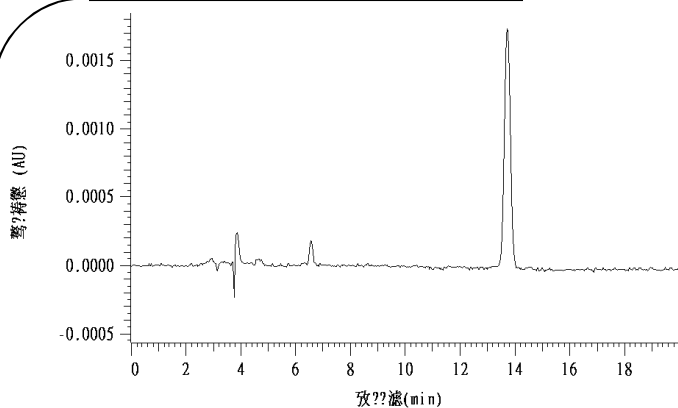


Column : Mightysil RP-18 PA 150-4.6(5 μ m)
 Eluent : Acetonitrile/water = 30/70
 Flow rate : 1.0 mL/min
 Detection : Fluorescence 307nm (Excitation 279nm)
 Col.temp : 40 $^{\circ}$ C
 Injection : 20 μ L (Carbaryl 1.0ppm)



Product No.	Product Name	Package
49801-09	Carbaryl standard (NAC)	250mg

Patulin



Column : Mightysil RP-18 PA 250-4.6(5μm)
 Eluent : CH₃CN/0.082% Sodium perchlorate=3/97
 Flow rate : 1.0 mL/min
 Detection : UV276nm
 Col.temp : 35°C
 Injection : 50μL (Patulin 0.05ppm)

Product No.	Product Name	Package
22887-1A	Patulin	10mg

● Solvents for HPLC

Product No.	Product Name	Grade	Package
01031-1B	HLC-SOL Acetonitrile	for HPLC	1L
01031-2B			3L
25183-1B	HLC-SOL Methanol	for HPLC	1L
25183-2B			3L
11307-1B	HLC-SOL Distilled water	for HPLC	1L
11307-2B			3L
32435-1B	HLC-SOL 2-Prnanol	for HPLC	1L
32435-2B			3L