

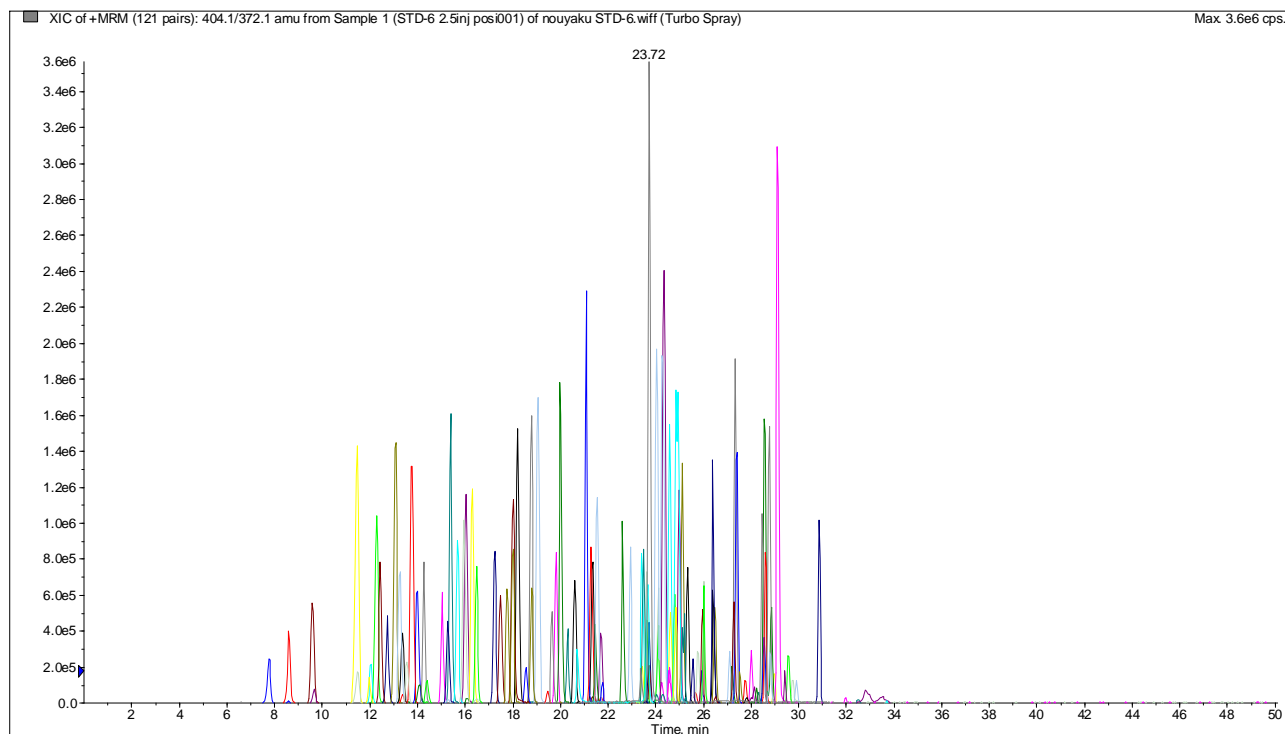
# InertSearch™ for LC

Inertsil® Applications

## Analysis of 118 Pesticides

Data No. LA843-0811

This sample was provided by Dr. Kiwao KADOKAMI (The University of Kitakyushu, Japan)



### Conditions

**System** : LC800 HPLC system  
4000 Q TRAP®

**Column** : Inertsil ODS-4 HP (3 μm, 150 x 2.1 mm I.D.)

**Column Cat. No.** : 5020-14002

**Eluent** : A) 5 mmol CH<sub>3</sub>COONH<sub>4</sub> in CH<sub>3</sub>OH  
B) 5 mmol CH<sub>3</sub>COONH<sub>4</sub> in H<sub>2</sub>O  
A/B = 5/95 -30 min- 95/5 -20 min- 95/5 ,v/v

**Flow rate** : 0.3 mL/min

**Col. Temp.** : 40 °C

**Detection** : LC/MS/MS (4000Q TRAP® : ESI, Positive, MRM)

CUR	CAD	IS	TEM	GS1	GS2
40	4	5000	600	50	80

**Injection Vol.** : 2.5 μL

**Sample** : Pesticides

### Analyte:

- |                          |                                |                              |
|--------------------------|--------------------------------|------------------------------|
| 1. Aldicarb sulfone      | 42. Chloroxuron                | 82. Bensulfuron-methyl       |
| 2. Oxamyl                | 43. Mepanipyrim                | 83. Fluazifop                |
| 3. Aldicarb              | 44. Triticonazole              | 84. Cyclosulfamuron          |
| 4. Carbofuran            | 45. Indanofan                  | 85. Fenhexamid               |
| 5. Tebuthiuron           | 46. Tetrachlorvinphos          | 86. Diclomezine              |
| 6. Carbaryl              | 47. Carpropamid                | 87. Thiamethoxam             |
| 7. Monolinuron           | 48. Imazalil                   | 88. Imidacloprid             |
| 8. Diuron                | 49. Pencycuron                 | 89. Clothianidin             |
| 9. Fluridone             | 50. Cycloate                   | 90. Chloridazon              |
| 10. Linuron              | 51. Oxaziclofene               | 91. Oxycarboxin              |
| 11. Dimethomorph(E)      | 52. Fenoxaprop-ethyl           | 92. Thiachloprid             |
| 11. Dimethomorph(Z)      | 53. Flufenoxuron               | 93. Thiabendazole            |
| 12. Fenamidone           | 54. Spinosad A                 | 94. Azamethiphos             |
| 13. Boscalid             | 54. Spinosad D                 | 95. Dimethirimol             |
| 14. Flufenacet           | 55. Tridemorph 1               | 96. Tralkoxydim 1            |
| 15. Epoxiconazole        | 55. Tridemorph 2               | 96. Tralkoxydim 2            |
| 16. Tebufenozide         | 56. Silafluofen                | 97. Isoxaflutole             |
| 17. Diflubenzuron        | 57. Metsulfuron-methyl         | 98. Azinphos-methyl          |
| 18. Cyprodinil           | 58. Thifensulfuron-methyl      | 99. Phenmedipham             |
| 19. Pyraclostrobin       | 59. Azimsulfuro                | 100. Pyrifthalid             |
| 20. Triflumuron          | 60. Chlorsulfuron              | 101. Ferimzone(E)            |
| 21. Clofentezine         | 61. Florasulam                 | 101. Ferimzone(Z)            |
| 22. Novaluron            | 62. Cinosulfuron               | 102. Methoxyfenozide         |
| 23. Di-allate            | 63. Foramsulfuron              | 103. Chromafenozide          |
| 24. Propaquizafop        | 64. Sulfosulfuron              | 104. Butafenacil             |
| 25. Aramite              | 65. Flazasulfuron              | 105. Iprovalicarb            |
| 26. Lufenuron            | 66. Propoxycarbazone-sodium    | 106. Simeconazole            |
| 27. Teflubenzuron        | 67. Triasulfuron               | 107. Naproanilide            |
| 28. Hexythiazox          | 68. Clofencet                  | 108. Fenoxycarb              |
| 29. Fenpyroximate        | 69. Mesosulfuron-methyl        | 109. Anilofos                |
| 30. Methomyl             | 70. Ethametsulfuron-methyl     | 110. Cyflufenamid            |
| 31. Bendiocarb           | 71. Pyrazosulfuron-ethyl       | 111. Pyrazolynate/pyrazolate |
| 32. Thiodicarb           | 72. Naptalam                   | 112. Indoxacarb              |
| 33. Pirimicarb           | 73. Iodosulfuron-methyl-sodium | 113. Benzofenap              |
| 34. Furametpyr           | 74. Trifloxysulfuron-sodium    | 114. Quizalofop-ethyl        |
| 35. Methabenzthiazuron   | 75. Halosulfuron-methyl        | 115. Lactofen                |
| 36. Azoxystrobin         | 76. Metosulam                  | 116. Furathiocarb            |
| 37. Fenobucarb           | 77. Penoxsulam                 | 117. Clomeprop               |
| 38. Acibenzolar-S-methyl | 78. Chlorimuron-ethyl          | 118. Cloquintocet-mexyl      |
| 39. Methiocarb           | 79. Ethoxysulfuron             |                              |
| 40. Dymron               | 80. Sulfentrazone              |                              |
| 41. Cumyluron            | 81. Clodinafop                 | each 1 μg/mL                 |

Related No. : LA844

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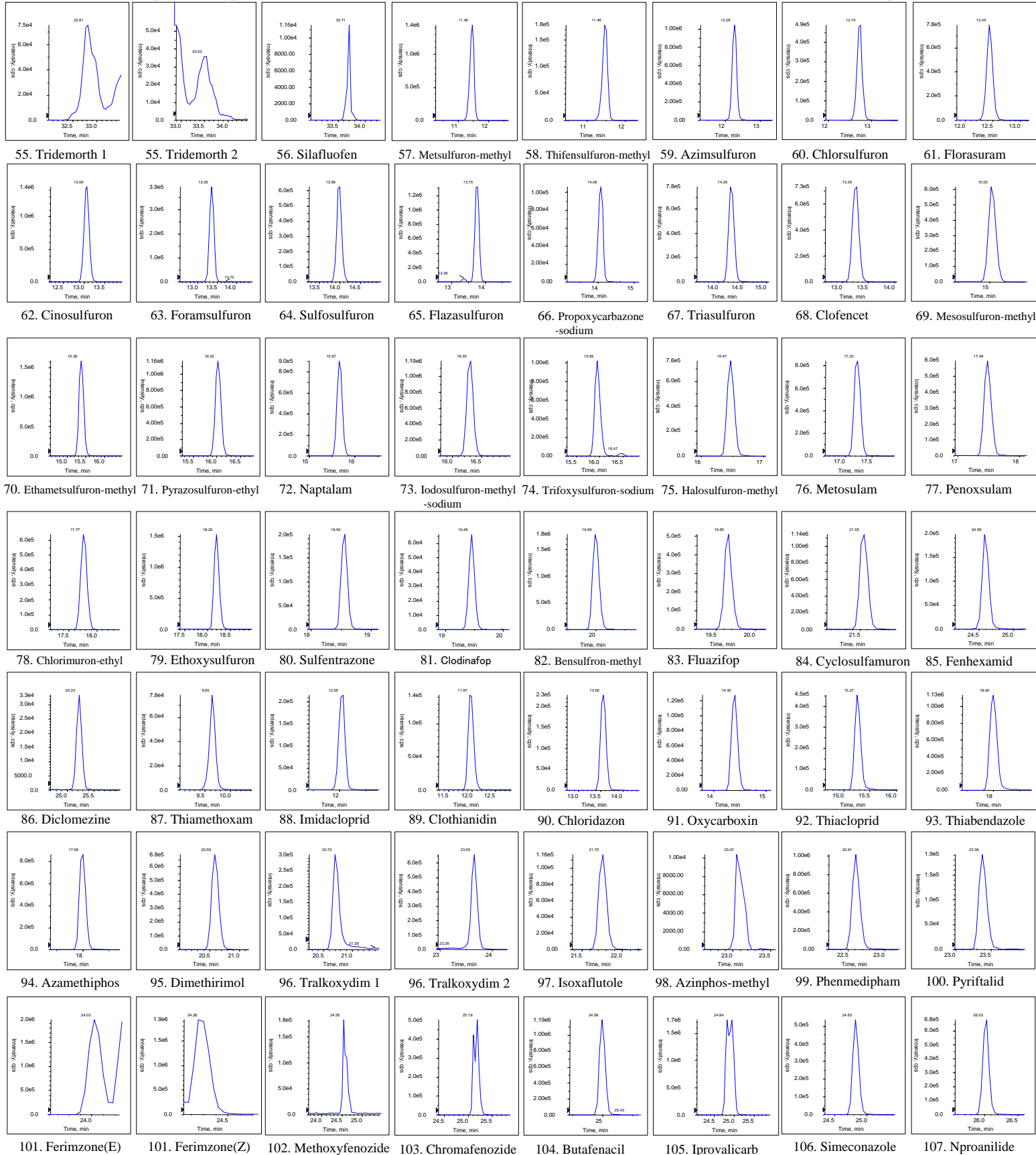
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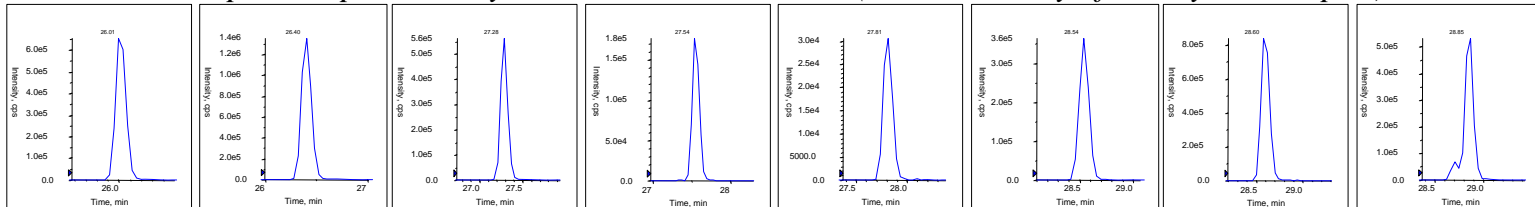
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108. Fenoxycarb

109. Anilifos

110. Cyflufenamid

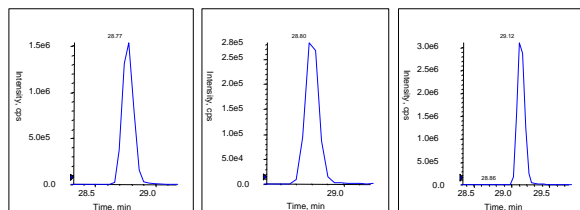
111. Pyrazolynate

112. Indoxacarb

113. Benzofenap

114. Quizalofop-mexyl

115. Lactofen



116. Furathiocarb

117. Clomeprop

118. Cloquintocet-mexyl

物質名	Q1	Q3	RT.
1 Aldicarb sulfone	223	86	7.8
2 Oxamyl	237	72	8.6
3 Aldicarb	208	116	16.0
4 Carbofuran	222	123	18.8
5 Tebuthiuron	229	172	19.1
6 Carbaryl	202	145	19.8
7 Monolinuron	215	126	20.3
8 Diuron	233	72	21.7
9 Fluridone	330	310	23.4
10 Linuron	249	160	23.5
11 Dimethomorph(E)	388	301	23.6
11 Dimethomorph(Z)	388	165	24.1
12 Fenamidone	312	92	23.7
13 Boscalid	343	307	23.7
14 Flufenacet	364	194	25.1
15 Epoxiconazole	330	121	25.4
16 Tebufenozide	353	133	25.9
17 Diflufenzuron	311	158	25.7
18 Cyprodinil	226	93	27.2
19 Pyraclostrobin	388	194	27.3
20 Triflumuron	359	139	27.1
21 Clofentezine	303	138	28.0
22 Novaluron	493	141	28.3
23 Di-allate	270	86	28.1
24 Propaquizafop	444	100	29.0
25 Aramite	352	191	29.0
26 Lufenuron	511	158	29.4
27 Teflubenzuron	381	381	29.7
28 Hexythiazox	353	228	29.6
29 Fenpyroximate	422	366	30.8
30 Methomyl	163	106	9.6
31 Bendiocarb	224	109	18.8
32 Thiodicarb	355	88	21.4
33 Pirimicarb	239	72	21.1
34 Furametpyr	334	157	21.3
35 Methabenzthiazuron	222	150	21.5
36 Azoxystrobin	404	372	23.7
37 Fenobucarb	208	95	22.9
38 Acibenzolar-S-methyl	211	136	24.3
39 Methiocarb	226	169	23.5
40 Dymron	269	151	24.3
41 Cumyluron	303	185	24.6
42 Chloroxuron	291	72	24.6
43 Mepanipyrim	224	106	25.8
44 Triticonazole	318	70	24.8
45 Indanofan	341	175	25.6
46 Tetrachlorvinphos	367	127	26.0
47 Carpropamid	334	139	26.5
48 Imazalil	297	159	26.4
49 Pencycuron	329	125	27.4
50 Cycloate	216	154	27.7
51 Oxaziclomefone	376	190	28.5
52 Fenoxaprop-ethyl	362	288	28.5
53 flufenoxuron	489	141	29.9
54 Spinosad A	732	142	32.0
54 Spinosad D	746	142	32.5
55 Tridemorph 1	298	130	32.8
55 Tridemorph 2	298	98	33.5
56 Silaflufofen	426	287	33.7
57 Metsulfuron-methyl	382	167	11.5
58 Thifensulfuron-methyl	388	205	11.5
59 Azimsulfuro	425	182	12.3

物質名	Q1	Q3	RT.
60 Chlorsulfuron	358	141	12.8
61 Florasulam	360	129	12.4
62 Cinosulfuron	414	183	13.1
63 Foramsulfuron	453	182	13.4
64 Sulfosulfuron	471	211	14.0
65 Flazasulfuron	408	182	13.8
66 Propoxycarbazone-sodium	421	180	14.1
67 Triasulfuron	402	167	14.3
68 Clofencet	279	261	13.3
69 Mesosulfuron-methyl	504	182	15.0
70 Ethametsulfuron-methyl	411	196	15.4
71 Pyrazosulfuron-ethyl	415	182	16.0
72 Naptalam	292	144	15.7
73 Iodosulfuron-methyl-sodium	508	167	16.3
74 Trifloxysulfuron-sodium	438	182	16.0
75 Halosulfuron-methyl	435	182	16.5
76 Metosulam	418	175	17.2
77 Penoxsulam	484	195	17.5
78 Chlorimuron-ethyl	415	186	17.8
79 Ethoxysulfuron	399	261	18.2
80 Sulfentrazone	387	307	18.6
81 Clodinafop	312	238	19.5
82 Bensulfuron-methyl	411	149	20.0
83 Fluazifop	328	282	19.7
84 Cyclosulfamuron	422	261	21.6
85 Fenhexamid	302	97	24.6
86 Diclofmezine	255	89	25.2
87 Thiamethoxam	292	181	9.7
88 Imidacloprid	256	175	12.1
89 Clothianidin	250	132	12.0
90 Chloridazon	222	104	13.6
91 Oxycarboxin	268	147	14.4
92 Thiachloprid	253	126	15.3
93 Thiabendazole	202	175	18.0
94 Azamethiphos	325	183	18.0
95 Dimethirimol	210	71	20.6
96 Tralkoxydim 1	330	138	20.7
96 Tralkoxydim 2	330	284	23.7
97 Isoxaflutole	360	251	21.8
98 Azinphos-methyl	318	132	23.1
99 Phenmedipham	301	168	22.6
100 Pyrifthalid	319	139	23.4
101 Ferimzone(E)	255	132	24.0
101 Ferimzone(Z)	255	124	24.3
102 Methoxyfenozide	369	149	24.5
103 Chromafenozide	395	175	25.2
104 Butafenacil	492	331	25.0
105 Iprovalicarb	321	119	24.8
106 Simeconazole	294	70	24.8
107 Naproanilide	292	171	26.0
108 Fenoxycarb	302	116	26.0
109 Anilifos	368	125	26.4
110 Cyflufenamid	413	295	27.3
111 pyrazolynate/pyrazolate	439	91	27.5
112 Indoxacarb	528	56	27.8
113 Benzofenap	431	105	28.5
114 Quizalofop-ethyl	373	299	28.6
115 Lactofen	479	344	28.9
116 Furathiocarb	383	195	28.8
117 Clomeprop	324	120	28.8
118 Cloquintocet-mexyl	336	238	29.1