

PSAミニカラムと溶出溶媒による回収率①

番号	化合物名	溶出溶媒 アセトン-ヘキサン比率						下(アセトン含有率)		
		(50/50)	(30/70)	(20/80)	(15/85)	(10/90)	(5/95)	(0/100)		
		50%	30%	20%	15%	10%	5%	0%		
1	1-Naphthylacetamide	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
2	3-Hydroxycarbofuran	55.5	60.9	55.5	58.5	59.3	48.6	0.0		
3	4,4'-Dichlorobenzophen	98.0	91.4	86.1	87.2	85.2	80.0	81.0		
4	Acephate	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
5	Acetamidpride	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
6	Acetochlor	100.9	96.7	91.4	93.1	93.7	83.3	67.1		
7	Acrinathrin	99.6	96.2	91.1	91.1	88.6	81.6	56.8		
8	Alachlor	98.1	93.7	88.5	91.5	90.3	81.2	63.7		
9	Allethrin-1,2	100.5	83.7	76.0	78.5	77.5	75.6	78.9		
10	Allethrin-3,4	94.4	88.1	84.8	83.5	83.4	78.1	66.8		
11	Ametryn	76.7	87.2	81.9	84.5	85.6	75.0	0.9		
12	Anilofos	106.7	100.2	94.5	95.5	89.7	83.1	0.7		
13	Aramite-3	97.6	87.0	85.4	86.5	82.9	77.7	59.9		
14	Aramite-4	100.7	90.4	85.9	89.5	82.7	76.2	57.8		
15	Atrazine	60.8	70.7	61.7	66.1	67.1	51.7	0.1		
16	Azaconazole	88.7	89.5	84.3	85.4	84.3	52.6	0.7		
17	Azinphos-Methyl	119.4	111.0	105.0	102.1	93.0	86.3	1.3		
18	Benalaxyl	101.3	97.0	91.4	93.9	91.8	84.9	9.2		
19	Bendiocarb	30.7	42.6	34.4	36.5	35.4	19.7	0.3		
20	Benfluranlin	108.4	103.0	93.8	92.3	96.5	90.2	84.0		
21	Benfuresate	95.3	91.6	87.7	89.3	90.6	82.7	21.3		
22	Benoxacor	92.3	89.7	84.5	87.5	89.6	81.3	34.5		
23	BHC-alpha	97.2	95.7	87.7	87.6	90.4	83.6	82.1		
24	BHC-beta	94.8	92.8	87.5	87.1	86.7	81.3	78.0		
25	BHC-delta	97.6	91.8	87.3	91.4	88.8	85.2	0.0		
26	BHC-gamma	80.1	90.6	86.8	89.5	88.7	80.6	8.5		
27	Bifenox	101.7	94.7	88.3	89.3	85.5	79.3	28.3		
28	Bifenthrin	92.9	86.8	82.3	83.8	80.6	76.7	75.4		
29	Bitertanol-1	110.6	108.9	101.7	100.0	76.2	12.8	0.3		
30	Bitertanol-2	112.8	111.9	105.0	97.5	64.8	6.5	0.8		

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		50%	30%	20%	15%	10%	5%	0%		
31	Bromacil	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
32	Bromobutide	94.0	90.6	85.5	86.8	88.1	79.0	44.4		
33	Bromofos methyl	99.9	91.1	86.5	86.3	84.1	79.5	78.0		
34	Bromofos-ethyl	95.2	89.6	85.1	85.1	82.5	80.4	81.1		
35	Bromopropylate	100.2	93.6	89.1	89.9	86.1	80.1	17.7		
36	Buprimate	94.9	92.7	87.3	90.7	90.1	83.4	1.9		
37	Buprofezin	98.0	92.1	86.6	89.2	87.0	77.7	62.0		
38	Butachlor	91.4	88.2	84.4	86.0	82.4	78.0	75.4		
39	Butamifos	106.3	97.9	92.7	90.2	87.3	82.8	30.9		
40	Butylate	128.5	108.7	95.6	90.9	107.4	98.1	84.6		
41	Cadusafos	115.5	109.1	99.3	98.2	103.9	91.3	61.7		
42	Cafenstrole	125.1	118.4	109.6	110.1	103.2	81.1	2.4		
43	Captafol	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
44	Captan	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
45	Carbaril	55.6	70.2	56.4	56.2	56.2	28.0	0.2		
46	Carbofuran	30.1	39.0	32.5	33.7	32.6	19.9	0.0		
47	Carboxin	49.1	62.7	51.2	54.4	53.6	33.3	0.5		
48	Carfentrazone ethyl	100.9	95.7	89.9	92.8	90.2	82.3	27.8		
49	Chlorbenside	94.3	90.0	84.6	86.6	84.7	78.7	79.3		
50	Chlorbufam	109.1	101.4	96.1	98.2	97.2	88.8	1.6		
51	Chlorethoxyphos	120.6	107.9	96.8	92.3	103.4	97.4	82.4		
52	Chlorfenapyr	92.6	87.9	85.9	85.4	82.9	74.0	56.0		
53	Chlorfenson	92.8	89.4	85.6	86.7	87.0	76.6	77.3		
54	Chlorfenvinphos-1	106.0	99.1	92.6	93.4	93.6	88.1	5.5		
55	Chlorfenvinphos-2	95.1	93.2	88.3	94.1	90.7	81.6	2.1		
56	Chlorobenzilate	103.4	95.7	91.0	92.7	89.5	85.2	7.4		
57	Chloroneb	111.5	105.6	97.2	93.9	104.0	95.2	92.4		
58	Chlorpropham	103.8	99.9	95.0	96.7	96.5	88.0	7.7		
59	Chlorpyrifos	100.0	92.4	86.7	86.6	84.4	81.6	77.9		
60	Chlorpyrifos-methyl	102.3	96.2	90.7	89.9	89.4	84.0	81.3		

PSAミニカラムと溶出溶媒による回収率②

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		(50/50)	(30/70)	(20/80)	(15/85)	(10/90)	(5/95)	(0/100)		
		50%	30%	20%	15%	10%	5%	0%		
61	Chlorthal-dimethyl	95.3	90.6	86.0	87.6	85.4	80.5	82.4		
62	Chlorzolinate	103.1	93.5	90.2	94.2	90.5	86.2	51.1		
63	Cinidon-ethyl	112.9	107.0	101.0	101.6	92.2	85.0	21.3		
64	Clomazone	95.1	93.8	87.5	89.0	90.9	80.5	51.4		
65	Cyanazine	19.4	28.3	23.8	25.5	20.9	4.7	0.0		
66	Cyanophos	93.9	94.1	89.0	90.3	90.8	83.2	14.4		
67	Cyfluthrin-1	94.5	101.7	91.3	90.2	80.7	57.0	57.8		
68	Cyfluthrin-2	92.9	94.4	90.5	91.3	89.4	79.2	47.4		
69	Cyfluthrin-3	98.7	94.6	87.4	90.5	84.4	84.1	53.9		
70	Cyfluthrin-4	125.6	97.6	96.1	88.7	76.0	50.9	44.8		
71	Cyhalofop-butyl	99.2	93.9	88.3	90.1	87.7	80.1	44.0		
72	Cyhalothrin-1	101.4	95.5	89.6	90.2	86.7	80.1	68.3		
73	Cyhalothrin-2	101.6	92.3	87.8	87.9	82.9	77.6	61.7		
74	Cypermethrin-1	100.3	98.5	92.1	90.2	85.9	79.1	69.7		
75	Cypermethrin-2	99.7	98.2	89.0	90.6	85.3	77.5	60.5		
76	Cypermethrin-3	88.7	87.7	86.6	85.8	82.0	77.0	63.7		
77	Cypermethrin-4	111.2	115.1	112.1	103.8	87.6	80.2	60.3		
78	Cyproconazole-1	112.8	95.9	91.5	92.3	92.3	49.1	0.0		
79	Cyproconazole-2	103.1	95.4	92.5	91.6	86.2	39.1	18.4		
80	DEF	98.9	91.8	84.7	84.3	82.6	76.1	70.8		
81	Deltamethrin	94.6	96.1	92.7	94.6	73.6	85.3	50.7		
82	Demeton-S-methyl	26.3	35.5	27.5	27.7	28.4	16.1	0.9		
83	Diallate-1	111.5	105.4	95.7	93.4	101.2	93.4	85.0		
84	Diallate-2	113.7	106.4	96.8	94.4	102.5	94.0	86.4		
85	Diazinone	100.1	97.9	91.2	92.8	94.2	84.2	77.9		
86	Dichlofenthion	97.1	89.0	83.8	85.5	89.5	84.5	82.7		
87	Dichlofluanid	94.8	86.7	84.2	89.7	63.8	80.7	20.4		
88	Dichlorvos	14.3	18.3	14.5	13.6	14.2	8.3	1.6		
89	Diclocymet-1	100.6	96.0	89.8	93.9	96.4	70.7	1.7		
90	Diclocymet-2	86.3	93.2	89.4	93.8	93.6	54.6	0.0		

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		(50/50)	(30/70)	(20/80)	(15/85)	(10/90)	(5/95)	(0/100)		
		50%	30%	20%	15%	10%	5%	0%		
91	Diclofop-methyl	94.2	87.5	83.9	86.2	83.6	77.0	72.0		
92	Dicloran	68.3	72.6	64.6	66.6	66.1	56.0	0.0		
93	Dicrotofos	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
94	Diethofencarb	96.7	97.8	93.8	91.9	91.2	87.9	1.7		
95	Difenoconazole-1	112.4	106.8	99.6	87.7	86.1	59.7	0.4		
96	Difenoconazole-2	109.3	103.1	95.0	95.9	92.6	76.4	0.0		
97	Diflufenican	95.4	89.8	85.3	88.2	85.6	79.3	27.0		
98	Dimepiperate	99.3	94.0	89.1	90.2	89.6	80.7	81.0		
99	Dimethametryn	96.9	91.8	88.4	88.6	86.3	78.8	1.4		
100	Dimethenamid	99.6	95.6	89.9	91.9	91.6	83.1	32.5		
101	Dimethipin	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
102	Dimethoate	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
103	Dimethylvinphos-z	101.0	94.5	89.8	91.0	89.1	85.1	1.2		
104	Dioxathion	99.6	97.9	89.9	92.0	91.0	83.9	26.7		
105	Diphenamide	94.0	92.9	87.9	89.9	88.7	82.1	0.2		
106	Disulfoton	102.7	99.0	92.4	92.5	94.9	86.0	85.9		
107	Disulfoton sulfone	101.0	94.8	91.3	86.2	85.5	78.0	1.4		
108	Edifenphos	122.1	99.0	93.0	96.7	91.5	84.9	1.3		
109	Endosulfan	90.9	85.4	81.2	82.8	80.4	79.6	78.4		
110	Endosulfan II	91.5	88.5	86.3	87.4	83.0	77.9	22.9		
111	Endosulfan sulfate	98.7	94.6	89.8	92.2	89.5	83.1	0.0		
112	EPN	104.4	97.2	90.4	90.5	85.5	77.8	50.8		
113	Epoxiconazole	101.9	97.8	92.4	94.3	92.7	76.0	2.0		
114	EPTC	120.0	118.9	103.6	96.5	116.6	103.6	87.5		
115	Esprocarb	94.5	93.9	88.3	88.3	85.9	81.7	78.7		
116	Ethalfuralin	111.2	106.2	94.7	93.4	101.5	92.5	85.6		
117	Ethiofencarb	70.9	90.7	72.5	76.2	78.1	48.6	0.8		
118	Ethion	105.4	95.4	90.3	91.3	86.9	80.1	70.9		
119	Ethofumesate	98.6	97.0	92.8	90.8	89.6	85.9	4.7		
120	Ethoprophos	109.5	106.5	95.8	93.8	101.7	88.9	34.7		

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		(50/50)	(30/70)	(20/80)	(15/85)	(10/90)	(5/95)	(0/100)		
		50%	30%	20%	15%	10%	5%	0%		
121	Etofenprox	95.6	89.6	85.5	85.9	81.6	77.6	77.6		
122	Etozazole	94.3	89.2	85.2	85.1	81.4	74.9	59.2		
123	Etrimfos	99.7	94.0	87.1	89.9	90.8	83.0	81.7		
124	Fenamidone	98.6	95.6	90.6	92.0	92.2	63.9	0.0		
125	Fenamiphos	110.3	102.5	97.0	94.9	92.3	46.8	0.9		
126	Fenarimol	95.3	93.5	89.8	91.8	87.6	46.3	0.8		
127	Fenbuconazole	105.1	100.9	95.1	95.2	84.7	13.8	0.6		
128	Fenchlorphos	93.6	88.2	83.2	84.0	82.9	79.7	76.4		
129	Fenitrothion	110.1	103.6	97.7	93.6	94.4	92.8	45.8		
130	Fenobucarb	102.4	100.2	94.1	94.5	97.5	88.7	0.5		
131	Fenothiocarb	97.3	95.1	90.3	91.4	89.7	82.8	47.5		
132	Fenoxanil	101.6	95.7	91.5	92.1	91.1	84.3	0.6		
133	Fenpropathrin	92.3	84.8	81.3	81.9	79.2	74.0	71.7		
134	Fenpropemorph	97.6	91.9	86.5	86.6	87.0	79.6	40.0		
135	Fensulfothion	116.7	105.2	98.0	97.2	94.9	52.3	1.2		
136	Fenthion	106.0	99.2	92.9	95.8	95.5	89.3	77.3		
137	Fenvalerate-1	89.1	89.9	86.1	88.0	84.2	80.4	59.2		
138	Fenvalerate-2	117.3	96.9	90.0	86.9	81.9	74.3	53.0		
139	FIPRONIL	62.4	88.3	84.6	88.8	89.0	44.5	0.0		
140	Flamprop-methyl	101.6	95.2	90.3	93.8	93.4	89.0	2.9		
141	Fluacrypyrim	102.4	95.6	90.6	93.1	88.7	82.1	27.9		
142	Flucythrinate-1	97.8	94.1	88.9	89.4	85.3	79.5	17.7		
143	Flucythrinate-2	103.7	97.2	92.0	90.8	85.6	79.2	13.2		
144	Fludioxonil	93.1	84.9	79.4	82.1	85.0	77.1	54.6		
145	Flufenpyl-ethyl	109.8	100.1	94.6	94.9	94.0	85.2	17.0		
146	Flumiclorac-pentyl	115.6	110.5	104.9	102.0	94.9	86.1	4.6		
147	Flumioxazin	119.2	111.9	108.0	106.4	101.6	74.8	0.0		
148	Fluquinconazole	101.8	98.2	93.1	94.0	92.0	80.6	0.2		
149	Fluridone	106.8	100.7	95.9	86.3	40.5	0.6	0.1		
150	Flusilazole	101.1	96.2	91.9	94.4	93.1	72.8	0.4		

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151	Fluthiacet-methyl	150.4	141.7	125.1	117.6	105.0	87.3	0.0		
152	Flutolanil	104.5	96.7	92.4	93.8	92.8	61.1	1.9		
153	Flutriafol	90.7	94.8	85.8	79.5	54.7	6.0	0.2		
154	Fluvalinate-1	95.3	93.8	88.4	88.4	83.9	78.5	27.8		
155	Fluvalinate-2	99.2	94.7	89.2	89.3	86.1	80.3	29.3		
156	Formothion	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
157	Fosthiazate-1	76.9	84.4	73.3	76.0	75.8	55.2	3.5		
158	Fosthiazate-2	78.8	86.6	75.2	78.3	78.4	59.4	2.1		
159	Halfenprox	95.6	89.1	82.9	83.5	79.0	74.5	74.0		
160	Hexaconazole	101.1	97.6	93.8	92.8	89.1	43.2	0.3		
161	Hexazinone	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
162	Imazamethabenz methyl	33.9	43.4	33.4	33.2	32.0	6.2	0.7		
163	Imibenconazole	148.4	134.1	119.2	116.4	92.8	41.0	0.0		
164	Imibenconazole-des-b	14.0	16.4	12.3	9.7	4.6	0.1	0.3		
165	Iprobenfos	101.5	96.0	90.1	90.9	90.1	82.4	12.9		
166	Iprodione	104.5	102.0	95.5	96.4	93.2	82.8	1.0		
167	Isazofphos	96.4	94.3	87.9	90.0	90.7	82.5	72.7		
168	Isofenphos	102.5	93.6	88.8	91.0	87.9	82.5	66.2		
169	Isofenphos P=O	111.1	101.4	95.7	93.6	93.0	76.9	0.3		
170	Isoprocarbe	75.8	84.7	74.8	77.8	81.5	64.4	0.3		
171	Isoprothiolane	100.5	95.7	91.2	91.8	91.0	84.0	2.8		
172	Isoxathion	93.5	84.7	78.6	81.9	79.0	72.6	39.5		
173	Isoxathion-ox	97.0	93.3	89.8	85.8	83.1	72.5	2.5		
174	Kresoxim-methyl	99.5	93.6	87.7	90.1	86.8	79.0	47.7		
175	Lenacil	44.8	57.9	46.2	48.6	39.8	4.0	0.1		
176	Malathion	107.2	101.1	94.5	94.2	91.3	85.9	39.4		
177	Mecarbam	97.7	93.1	87.2	91.1	90.3	82.3	49.1		
178	Mefenacet	103.8	98.0	91.4	92.3	89.5	81.1	0.0		
179	Mefenpyr-diethyl	101.9	96.9	92.8	95.4	91.4	81.2	35.8		
180	Mepronil	119.3	108.5	100.7	96.8	99.6	86.2	4.4		

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		(50/50)	(30/70)	(20/80)	(15/85)	(10/90)	(5/95)	(0/100)		
		50%	30%	20%	15%	10%	5%	0%		
181	Metalaxyl	78.4	87.6	80.1	85.3	85.5	70.4	0.5		
182	Methamidophos	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
183	Methidathion	96.8	93.1	89.5	89.4	87.0	80.7	13.8		
184	Methiocarb	119.9	109.8	102.9	95.5	96.0	87.5	0.0		
185	Methoprene-1	97.7	91.8	85.7	87.0	84.7	79.4	80.1		
186	Methoprene-2	75.7	78.1	74.5	77.0	75.4	72.2	74.7		
187	Methoxychlor	62.9	61.8	62.4	71.1	65.9	65.4	46.3		
188	Metolachlor	101.4	96.4	92.2	91.6	92.3	84.1	46.9		
189	Metominostrobin	99.0	96.0	91.0	89.6	89.8	80.9	0.2		
190	Metominostrobin-z	86.7	89.2	81.9	84.1	83.8	62.7	0.0		
191	Mevinphos	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
192	Monocrotophos	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
193	Myclobutanil	99.7	95.2	91.0	92.3	90.5	37.0	0.5		
194	Napropamide	99.7	94.7	89.7	92.4	91.9	84.0	10.5		
195	Nitrothal-isopropyl	101.8	93.6	89.2	88.9	87.7	81.1	80.8		
196	Norflurazon	82.6	87.6	82.7	83.9	68.6	3.4	0.1		
197	Oryzalin	35.5	59.3	56.3	28.9	0.0	0.0	0.0		
198	Oxadiazone	90.1	87.1	83.0	84.7	82.6	78.4	76.8		
199	Oxadixyl	20.2	23.6	20.1	20.9	19.2	8.0	2.0		
200	Oxyfluorfene	100.2	91.5	86.1	85.4	82.6	77.4	59.1		
201	p,p'-DDD	98.5	90.0	85.3	87.5	83.2	78.3	73.4		
202	p,p'-DDE	91.0	85.6	81.4	82.0	78.6	76.0	77.9		
203	Paclobutrazol	91.7	99.7	94.3	99.3	94.6	53.7	0.0		
204	Parathion	104.4	94.7	88.4	87.0	85.4	80.0	72.7		
205	Parathion-methyl	108.2	102.2	95.4	95.2	95.0	87.9	35.4		
206	Penconazole	96.5	92.9	88.4	90.4	89.5	77.9	0.3		
207	Pendimethalin	100.9	92.5	87.0	87.0	84.0	80.1	77.3		
208	Permethrin-cis	97.5	92.8	87.0	87.5	81.1	74.7	76.0		
209	Permethrin-trans	99.4	92.7	87.3	88.2	82.7	75.8	77.0		
210	Perthane	98.3	87.7	84.2	84.2	80.9	77.2	76.2		

番号	化合物名	溶出溶媒 アセトン-ヘキサン比率						下(アセトン含有率)		
		(50/50)	(30/70)	(20/80)	(15/85)	(10/90)	(5/95)	(0/100)		
		50%	30%	20%	15%	10%	5%	0%		
211	Phenothrin-1	98.5	91.8	85.9	88.0	84.5	79.6	77.2		
212	Phenothrin-2	98.0	91.0	85.9	87.2	82.1	78.2	77.6		
213	Phenthoate	100.5	100.6	99.3	101.3	89.9	93.4	82.5		
214	Phorate	113.0	109.6	97.0	95.6	102.3	92.4	88.4		
215	Phosalone	112.5	104.8	97.2	96.1	90.0	82.0	7.1		
216	Phosmet	111.0	104.3	99.2	98.7	93.8	86.8	1.1		
217	Phosphamidon	29.2	38.4	28.8	29.1	31.7	15.2	0.0		
218	Phthalide	100.4	92.9	89.9	90.9	90.2	84.8	57.3		
219	Picolinafen	97.1	91.1	87.1	87.6	85.2	79.7	15.4		
220	Piperonyl butoxide	97.4	91.9	87.9	89.1	85.8	79.0	62.3		
221	Piperophos	105.8	98.2	91.6	94.8	90.1	81.2	11.0		
222	Pirimicarb	33.9	38.6	30.1	30.0	33.2	22.0	1.1		
223	Pirimiphos methyl	102.2	91.5	86.2	88.8	90.0	86.5	73.9		
224	Pretilachlor	100.4	95.1	89.3	92.4	89.3	81.4	60.6		
225	Procymidone	94.0	89.6	86.0	89.6	89.5	82.7	48.8		
226	Profenofos	105.7	98.5	91.5	92.3	89.2	81.7	43.4		
227	Prohydrojasmon-1	96.7	94.0	89.9	93.8	94.8	86.6	83.6		
228	Prohydrojasmon-2	97.2	95.2	85.5	88.2	92.6	82.3	78.5		
229	Prometryn	85.2	90.8	85.7	88.6	88.4	80.6	5.8		
230	Propachlor	84.0	91.9	79.7	80.1	87.4	70.4	26.1		
231	Propanil	89.9	90.7	85.8	89.6	88.3	50.4	7.7		
232	Propaphos	101.6	96.3	88.6	91.3	90.1	84.4	1.0		
233	Propargite(BPPS)	97.5	94.7	89.9	93.4	85.7	82.7	78.6		
234	Propazine	90.8	89.1	84.5	87.1	87.5	79.1	1.0		
235	Propiconazole-1	105.1	99.5	94.0	97.9	96.3	86.1	0.0		
236	Propiconazole-2	103.4	99.8	94.4	97.0	96.0	86.8	0.0		
237	Propoxur	19.1	27.4	22.5	23.2	22.2	12.3	0.0		
238	Propyzamide	89.2	89.7	86.9	88.5	87.6	79.9	11.8		
239	Prothiophos	95.4	88.5	82.8	83.4	82.1	78.4	76.8		
240	Pyraclufos	107.9	101.1	94.7	94.4	89.2	82.0	0.0		

PSAミニカラムと溶出溶媒による回収率⑤

番号	化合物名	溶出溶媒 アセトン-ヘキサン比率						下:(アセトン含有率)		
		(50/50)	(30/70)	(20/80)	(15/85)	(10/90)	(5/95)	(0/100)		
		50%	30%	20%	15%	10%	5%	0%		
241	Pyraflufen-ethyl	98.9	93.6	89.3	91.4	90.8	82.9	0.5		
242	Pyrazophos	102.0	102.9	94.0	95.3	90.8	81.4	31.1		
243	Pyributicarb	105.3	94.1	88.6	88.3	82.1	73.9	78.3		
244	Pyridaben	91.5	90.9	85.9	86.7	81.0	74.8	66.7		
245	Pyridafenthion	111.7	104.1	97.6	97.8	94.5	83.9	0.1		
246	Pyrifenox-1	92.3	91.1	86.1	89.0	89.0	79.7	2.1		
247	Pyrifenox-2	75.1	87.2	85.9	89.2	88.7	77.7	6.6		
248	Pyrimethanil	89.3	89.4	85.8	87.2	87.3	77.6	14.7		
249	Pyrimidifen	97.2	93.2	87.9	89.4	85.7	78.5	2.1		
250	Pyriminobac-methyl-1	99.9	94.8	89.6	91.8	90.9	82.6	4.0		
251	Pyriminobac-methyl-2	96.8	92.9	87.7	89.4	88.5	82.2	4.1		
252	Pyriproxyfen	95.0	89.7	85.2	85.8	82.2	76.7	72.0		
253	Pyroquilon	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
254	Quinoclamine	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
255	Quinolphos	98.1	94.7	87.3	92.0	87.9	83.0	69.5		
256	Quinomethionate	99.7	91.4	86.0	78.9	73.4	58.8	10.8		
257	Quinoxifen	92.3	86.9	82.7	84.9	81.3	76.5	43.5		
258	Quintozen	98.1	93.9	87.0	85.6	88.1	82.4	74.1		
259	Resmethrin-1	79.1	77.6	74.0	76.9	70.3	58.4	58.0		
260	Resmethrin-2	88.7	83.4	78.3	76.8	69.6	59.2	58.4		
261	Silafluofen	85.3	75.9	71.5	73.8	70.5	67.8	69.5		
262	Simazin	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
263	Simetryn	38.2	62.0	52.7	55.5	57.1	36.8	0.3		
264	Spirodiclofen	80.4	78.8	78.8	82.7	79.2	75.0	56.6		
265	Spiroxamine-1	108.8	101.8	93.5	91.0	95.4	75.7	2.1		
266	Spiroxamine-2	115.1	100.9	93.6	91.0	92.8	79.9	2.2		
267	TCMTB	115.9	98.6	90.7	86.3	84.2	75.8	2.4		
268	Tebuconazole	98.3	95.4	89.3	91.6	89.9	37.5	0.5		
269	Tebufenpyrad	97.1	90.2	86.5	87.7	84.0	78.4	24.1		
270	Tecnazene	105.3	98.5	88.8	86.8	94.2	85.9	81.3		

番号	化合物名	溶出溶媒 アセトン-ヘキサン比率						下:(アセトン含有率)		
		(50/50)	(30/70)	(20/80)	(15/85)	(10/90)	(5/95)	(0/100)		
		50%	30%	20%	15%	10%	5%	0%		
271	Tefluthrine	93.8	88.3	83.2	83.6	85.1	79.6	79.6		
272	Terbacil	85.7	81.9	78.5	76.6	80.9	76.0	71.7		
273	Terbufos	108.8	103.6	94.6	94.0	98.3	90.6	83.7		
274	Terbutryn	96.8	93.8	89.6	91.2	90.7	85.3	3.0		
275	Tetrachlorvinphos	98.7	95.6	90.6	92.6	90.7	84.8	2.5		
276	Tetraconazole	95.5	92.7	88.5	92.1	90.0	52.5	0.4		
277	Tetradifon	95.4	89.4	85.9	87.4	83.8	76.5	76.5		
278	Thenylchlor	94.3	88.8	84.3	87.7	85.2	78.4	7.4		
279	Thiobencarb	100.3	94.3	87.9	89.1	87.2	81.3	79.2		
280	Thiometon	115.4	109.0	99.9	100.9	104.9	91.7	89.8		
281	Tolclofos-methyl	97.7	93.5	88.6	89.8	89.4	83.7	83.5		
282	Tolfenpyrad	98.7	94.3	89.4	90.7	84.9	79.6	2.3		
283	Toriadimefon	106.1	103.3	97.2	97.7	95.5	89.0	2.3		
284	Triadimenol-1	108.9	101.3	95.0	104.1	97.8	31.3	2.0		
285	Triadimenol-2	86.5	97.4	93.3	97.9	81.2	13.0	0.7		
286	Triallate	99.3	92.4	86.4	85.9	88.5	85.2	81.4		
287	Triazophos	114.5	106.0	99.5	99.1	97.6	88.1	0.2		
288	Tricyclazole	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
289	Trifloxystrobin	105.6	97.5	92.0	94.1	90.4	82.4	27.2		
290	Trifluralin	107.3	99.4	92.2	91.2	97.0	86.6	80.0		
291	Trifluzamide	102.0	95.9	89.0	73.3	30.1	2.1	0.1		
292	Uniconazole	119.3	108.5	101.0	102.6	94.0	26.2	0.0		
293	Vinclozoline	98.5	94.7	90.3	95.0	92.7	86.3	83.8		
294	XMC	50.5	65.1	52.4	55.4	58.4	38.2	0.1		
295	Zoxamide	103.2	101.3	95.8	99.1	91.2	82.2	3.4		

(単位: %)

試料: ほうれん草
 添加濃度: 試料中0.05ppm (分取後に添加)

PSAミニカラムと溶出溶媒による回収率分布

表 ほうれん草を用いたPSAミニカラムと溶出溶媒アセトン-ヘキサンによる回収率分布

回収率	溶出溶媒アセトン-ヘキサン比率			上(アセトン/ヘキサン比)	下(アセトン含有率%)		
	(1/1)	(3/7)	(1/4)	(15/85)	(1/9)	(5/95)	(0/100)
%以上 - %未満	50%	30%	20%	15%	10%	5%	0%
30 - 50	8	6	5	5	8	15	23
50 - 70	7	7	9	7	13	22	36
70 - 120	247	257	255	257	249	217	71
120 -	8	2	1	0	0	0	0

(単位:成分)

アセトンの比率が15%より低くなると一部の農薬の回収率が悪くなることが分かった。

通常の商品対応のメソッドとしてはPSA-30mg・アセトン-ヘキサン(15/85)が最適であると思われる。