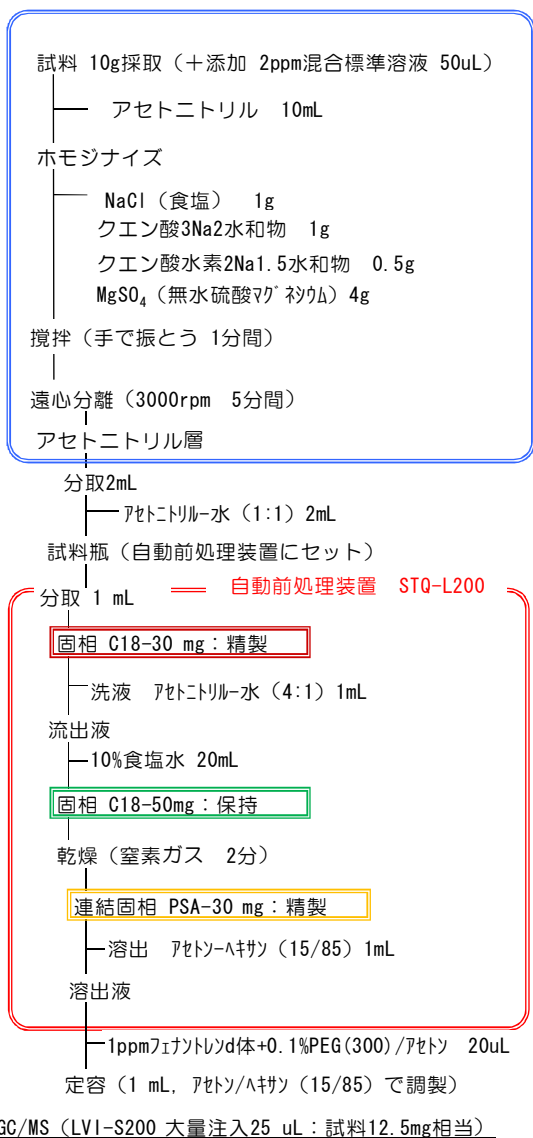


レタス

L-GCB1

前処理フロー

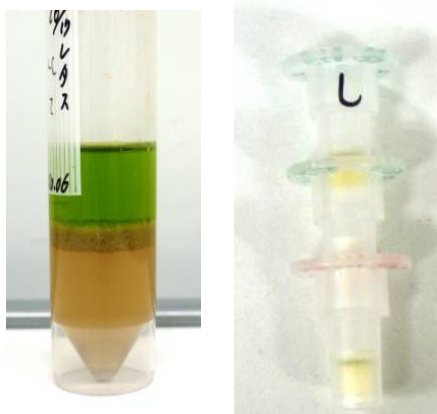


目的/実験方法

自動前処理装置STQ-L200を用いた 添加回収試験(GC-B1法)

- 添加濃度(試料中): 10ppb
- 最終バイアル中濃度: 5ppb
- 農薬: 関東MIX-22, 31, 34, 48, 51
- 検量線:
 - ・PEG共注入標準溶液、絶対、直線検量線
 - ・1点: 5ppb
 - ・20ppbフェナントレン体+20ppmPEG
+農薬混合標準溶液(アセトン-ヘキサン)
 - *フェナントレン体は装置の感度評価の目安として使用。
- 測定: 1 Injection によるSCAN測定
- 測定条件: 参考資料に従う。

①遠心分離後 ②固相 (C18-30, C18-50+PSA)



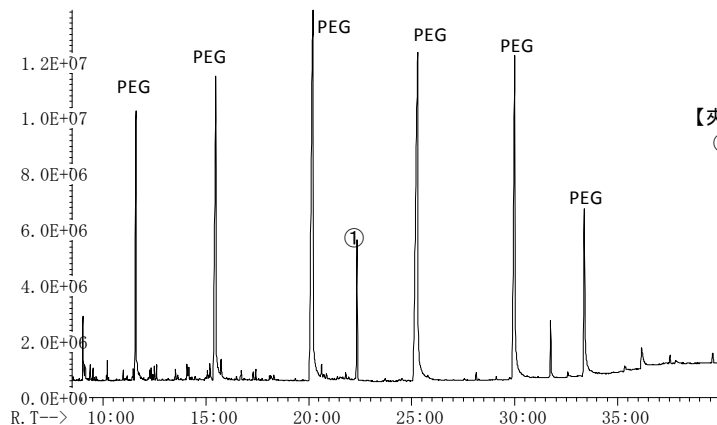
考察

大きな夾雑ピークは無く、回収率は概ね良好であるが、他の農作物に比べ、やや低いように思われる。

【夾雑成分】
① 不明

Scan Chromatogram

[クロマトグラム] TIC: 13871381 - 0



STQ-L200

For STQ Method

Sample



Information

水分: 95.9%
脂質: 0.1%
脂肪酸: 0.04%

レタスは外側変質
葉及びしんを除去し
たものを、フードプロ
セッサで細切。

AISTI SCIENCE

Product

LVI-S200
STQ-L200
Smart-SPE C18-30
Smart-SPE C18-50
Smart-SPE PSA-30

株式会社アイスティサイエンス

〒640-8341
和歌山市黒田120-6アソート黒田2F
TEL. 073-475-0033
FAX. 073-497-5011
www.aisti.co.jp

No.	農薬名	回収率(%)	No.	農薬名	回収率(%)	No.	農薬名	回収率(%)	No.	農薬名	回収率(%)
1	1-Naphthylacetamide	ND	76	Cypermethrin-3	79.3	151	Fluthiacet-methyl	83.7	226	Profenofos	87.5
2	3-Hydroxycarbofuran	St-	77	Cypermethrin-4	92.6	152	Flutolanil	83.2	227	Prohydrojasmon-1	74.2
3	4,4'-Dichlorobenzophenone	73.2	78	Cyproconazole-1	79.5	153	Flutriafol	76.3	228	Prohydrojasmon-2	St-
4	Acephate	ND	79	Cyproconazole-2	79.7	154	Fluvalinate-1	80.0	229	Prometryn	74.7
5	Acetamidpride	ND	80	DEF(tribufos)	76.5	155	Fluvalinate-2	78.9	230	Propachlor	72.0
6	Acetochlor	86.0	81	Deltamethrin	71.7	156	Formothion	ND	231	Propanil	56.1
7	Acrinathrin	73.1	82	Demeton-S-methyl	ND	157	Fosthiazate-1	51.9	232	Propaphos	79.5
8	Alachlor	82.7	83	Diallate-1	75.6	158	Fosthiazate-2	65.1	233	Propargite(BPPS)	78.4
9	Allethrin-1,2	St-	84	Diallate-2	86.7	159	Halfenprox	70.2	234	Propazine	78.4
10	Allethrin-3,4	76.8	85	Diazinone	74.5	160	Hexaconazole	87.3	235	Propiconazole-1	89.6
11	Ametryn	75.2	86	Dichlofenthion	72.7	161	Hexazinone	ND	236	Propiconazole-2	85.0
12	Anilofos	80.0	87	Dichlofluanid	38.6	162	Imazamethabenz methyl	ND	237	Propoxur	ND
13	Aramite-3	84.7	88	Dichlorvos	ND	163	Imibenconazole	81.2	238	Propyzamide	78.1
14	Aramite-4	38.6	89	Diclocymet-1	78.0	164	Imibenconazole-des-benzyl	ND	239	Prothiophos	71.9
15	Atrazine	57.9	90	Diclocymet-2	84.3	165	Iprobenfos	74.4	240	Pyraclufos	80.5
16	Azaconazole	76.5	91	Diclofop-methyl	76.4	166	Iprodione	98.3	241	Pyraflufen-ethyl	79.9
17	Azinphos-Methyl	98.4	92	Dicloran	57.2	167	Isazophos	70.6	242	Pyrazophos	82.7
18	Benalaxyl	82.3	93	Dicrotofos	ND	168	Isofenphos	77.5	243	Pyributicarb	76.4
19	Bendiocarb	32.9	94	Diethofencarb	86.1	169	Isofenphos P=O	79.3	244	Pyridaben	74.2
20	Benfluranlin	72.1	95	Difenoconazole-1	82.9	170	Isoprocarb	72.2	245	Pyridafenthion	85.3
21	Benfuresate	89.2	96	Difenoconazole-2	79.3	171	Isoprothiolane	85.3	246	Pyrifeno-1	75.0
22	Benoxacor	77.9	97	Diflufenican	78.6	172	Isoxathion	89.5	247	Pyrifeno-2	80.6
23	BHC-alpha	76.3	98	Dimepiperate	77.5	173	Isoxathion-ox	87.4	248	Pyrimethanil	73.7
24	BHC-beta	73.9	99	Dimethametryn	79.2	174	Kresoxim-methyl	63.9	249	Pyrimidifen	78.2
25	BHC-gamma	77.1	100	Dimethenamid	81.2	175	Lenacil	39.2	250	Pyriminobac-methyl-1	81.8
26	BHC-delta	95.2	101	Dimethipin	71.5	176	Malathion	84.7	251	Pyriminobac-methyl-2	85.9
27	Bifenox	80.4	102	Dimethoate	ND	177	Mecarbam	St-	252	Pyriproxyfen	77.1
28	Bifenthrin	72.1	103	Dimethylvinphos-z	82.8	178	Mefenacet	80.9	253	Pyroquilon	ND
29	Bitertanol-1	83.6	104	Dioxathion	31.7	179	Mefenpyr-diethyl	79.9	254	Quinoclamine	ND
30	Bitertanol-2	80.6	105	Diphenamide	78.4	180	Mepronil	93.1	255	Quinolphos	81.6
31	Bromacil	ND	106	Disulfoton	72.2	181	Metalaxyl	66.9	256	Quinomethionate	62.2
32	Bromobutide	78.0	107	Disulfoton sulfone	81.3	182	Methamidophos	ND	257	Quinoxifen	73.6
33	Bromofos methyl	73.7	108	Edifenphos	84.3	183	Methidathion	84.3	258	Quintozen	75.0
34	Bromophos-ethyl	71.4	109	Endosulfan	65.2	184	Methiocarb	101.6	259	Resmethrin-1	St-
35	Bromopropylate	77.8	110	Endosulfan II	85.7	185	Methoprene-1	St-	260	Resmethrin-2	61.3
36	Bupimate	93.2	111	Endosulfan sulfate	110.6	186	Methoprene-2	74.0	261	Silafluofen	60.6
37	Buprofezin	81.6	112	EPN	88.0	187	Methoxychlor	75.1	262	Simazin	ND
38	Butachlor	80.4	113	Epoxiconazole	83.6	188	Metolachlor	82.9	263	Simetryn	56.9
39	Butamifos	93.0	114	EPTC	73.6	189	Metominostrobin-e	86.7	264	Spirodiclofen	79.7
40	Butylate	71.0	115	Esprocarb	74.9	190	Metominostrobin-z	81.6	265	Spiroxamine-1	74.5
41	Cadusafos	79.6	116	Ethalfuralin	74.4	191	Mevinphos	ND	266	Spiroxamine-2	72.0
42	Cafenstrole	90.2	117	Ethiofencarb	63.7	192	Monocrotophos	ND	267	TCMTB	St-
43	Captafol	St-	118	Ethion	80.0	193	Myclobutanil	80.8	268	Tebuconazole	84.9
44	Captan	St-	119	Ethofumesate	79.0	194	Napropamide	89.3	269	Tebufenpyrad	79.3
45	Carbaryl	64.7	120	Ethoprophos	77.0	195	Nitrothral-isopropyl	78.8	270	Tecnazene	67.4
46	Carbofuran	ND	121	Etofenprox	71.4	196	Norflurazon	73.9	271	Tefluthrine	71.7
47	Carboxin	49.4	122	Etoxazole	75.5	197	Oryzalin	St-	272	Terbacil	ND
48	Carfentrazone ethyl	84.0	123	Etrinfos	79.2	198	Oxadiazone	76.5	273	Terbufos	54.7
49	Chlorbenside	75.1	124	Fenamidone	82.9	199	Oxadixyl	ND	274	Terbutryn	77.9
50	Chlorbufam	56.5	125	Fenamiphos	86.6	200	Oxyfluorfen	95.5	275	Tetrachlorvinphos	83.0
51	Chlorethoxyphos	73.1	126	Fenarimol	88.6	201	p,p'-DDD	74.9	276	Tetraconazole	84.3
52	Chlorfenapyr	79.5	127	Fenbuconazole	80.9	202	p,p'-DDE	69.8	277	Tetradifon	78.8
53	Chlorfenson	86.2	128	Fenchlorphos	73.5	203	Paclobutrazol	81.9	278	Thenylchlor	85.0
54	Chlorfenvinphos-1	100.1	129	Fenitrothion	81.1	204	Parathion	84.7	279	Thiobencarb	79.5
55	Chlorfenvinphos-2	84.2	130	Fenobucarb	82.7	205	Parathion-methyl	76.4	280	Thiometon	78.0
56	Chlorobenzilate	79.3	131	Fenothiocarb	80.0	206	Penconazole	80.9	281	Tolclofos-methyl	78.2
57	Chloroneb	76.8	132	Fenoxanil	82.8	207	Pendimethalin	74.5	282	Tolfenpyrad	77.2
58	Chlorpropham	83.1	133	Fenpropathrin	80.9	208	Permethrin-cis	71.6	283	Toridimefon	77.6
59	Chlorpyrifos	74.0	134	Fenpropemorph	78.0	209	Permethrin-trans	73.0	284	Triadimenol-1	81.9
60	Chlorpyrifos-methyl	78.0	135	Fensulfotthion	84.4	210	Perthane	71.8	285	Triadimenol-2	74.2
61	Chlorthal-dimethyl	76.9	136	Fenthion	78.3	211	Phenothrin-1	68.6	286	Triallate	71.4
62	Chlozolinate	91.4	137	Fenvalerate-1	72.8	212	Phenothrin-2	73.3	287	Triazophos	82.4
63	Cinidon-ethyl	80.9	138	Fenvalerate-2	84.1	213	Phenthoate	83.0	288	Tricyclazole	ND
64	Clomazone	72.8	139	FIPRONIL	82.7	214	Phorate	67.5	289	Trifloxystrobin	91.8
65	Cyanazine	ND	140	Flamprop-methyl	80.7	215	Phosalone	80.1	290	Trifluralin	76.4
66	Cyanophos	79.9	141	Fluacrypyrim	81.9	216	Phosmet	99.6	291	Thifluzamide	54.9
67	Cyfluthrin-1	ND	142	Flucythrinate-1	77.4	217	Phosphamidon	ND	292	Uniconazole	87.0
68	Cyfluthrin-2	65.5	143	Flucythrinate-2	76.8	218	Phthalide	78.4	293	Vinclozoline	79.2
69	Cyfluthrin-3	93.7	144	Fludioxonil	60.1	219	Picolinafen	78.1	294	XMC	47.8
70	Cyfluthrin-4	70.8	145	Flufenpyl-ethyl	75.5	220	Piperonyl butoxide	78.4	295	Zoxamide	123.1
71	Cyhalofop-butyl	79.2	146	Flumiclorac-pentyl	86.0	221	Piperophos	77.5			
72	Cyhalothrin-1	78.2	147	Flumioxazin	91.9	222	Pirimicarb	42.7			
73	Cyhalothrin-2	78.7	148	Fluquinacozazole	85.1	223	Pirimiphos methyl	79.0			
74	Cypermethrin-1	63.3	149	Fluridone	75.7	224	Pretilachlor	79.4			
75	Cypermethrin-2	75.7	150	Flusilazole	87.9	225	Procymidone	80.3			

*PEG共注入標準溶液による絶対検量線を使用 回収率30%未満は ND スタンダードNDは St-