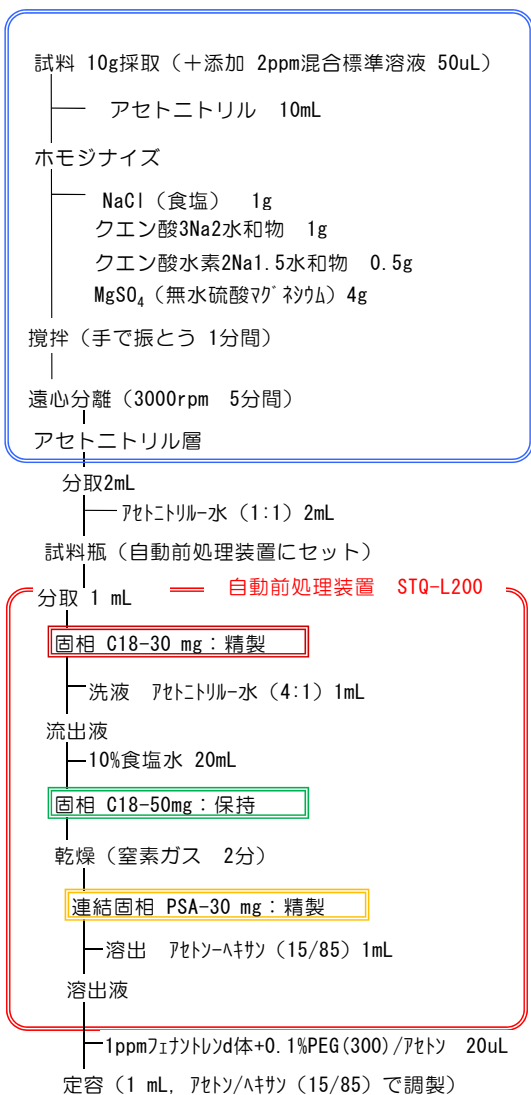


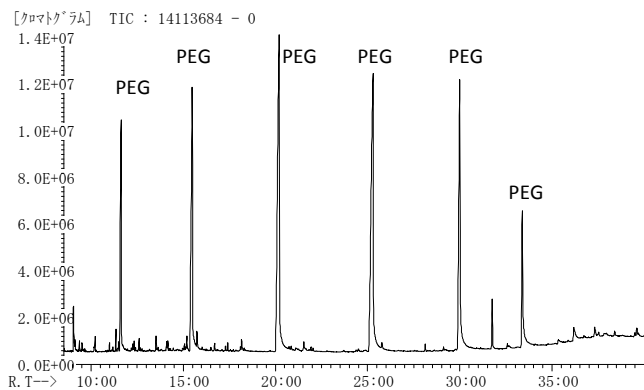
日本梨（二十世紀） L – G C B 1

前処理フロー



GC/MS (LVI-S200 大量注入25 uL : 試料12.5mg相当)

Scan Chromatogram

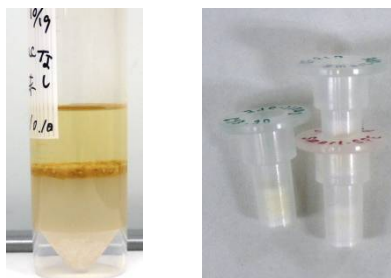


目的/実験方法

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なく、回収率は概ね良好である。

未知検体からクレソキシムメチル、ペルメトリンが検出された。



STQ-L200

For STQ Method

Sample



Information

水分 : 88.0%
脂質 : 0.1%
脂肪酸 : 0.00%

なしは花おち、しん及び果梗の基部を除去したものを、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	74.4	151	Fluthiacet-methyl	90.9	226	Profenofos	86.9
2	3-Hydroxycarbofuran	St-	77	Cypermethrin-4	94.4	152	Flutolanil	87.8	227	Prohydrojasmon-1	86.9
3	4,4'-Dichlorobenzophenone	82.0	78	Cyproconazole-1	82.3	153	Flutriafol	77.8	228	Prohydrojasmon-2	St-
4	Acephate	ND	79	Cyproconazole-2	80.6	154	Fluvalinate-1	106.4	229	Prometryn	87.8
5	Acetamipride	ND	80	DEF(tribufos)	82.5	155	Fluvalinate-2	101.4	230	Propachlor	90.1
6	Acetochlor	93.2	81	Deltamethrin	St-	156	Formothion	ND	231	Propanil	74.8
7	Acrinathrin	87.8	82	Demeton-S-methyl	34.4	157	Fosthiazate-1	78.4	232	Propaphos	86.7
8	Alachlor	93.8	83	Diallate-1	92.2	158	Fosthiazate-2	73.5	233	Propargite(BPPS)	85.5
9	Allethrin-1,2	St-	84	Diallate-2	87.2	159	Halfenprox	81.0	234	Propazine	85.3
10	Allethrin-3,4	84.9	85	Diazinone	94.9	160	Hexaconazole	83.0	235	Propiconazole-1	88.5
11	Ametryn	84.6	86	Dichlofenthion	84.2	161	Hexazinone	ND	236	Propiconazole-2	85.6
12	Anilofos	94.9	87	Dichlofluandil	St-	162	Imazamethabenz methyl	37.2	237	Propoxur	31.4
13	Aramite-3	79.4	88	Dichlorvos	ND	163	Imibenconazole	St-	238	Propyzamide	84.9
14	Aramite-4	64.0	89	Diclocymet-1	84.0	164	Imibenconazole-des-benzyl	ND	239	Prothiophos	73.7
15	Atrazine	72.7	90	Diclocymet-2	85.2	165	Iprobenfos	95.0	240	Pyraclufos	84.8
16	Azaconazole	78.7	91	Diclofop-methyl	83.1	166	Iprodione	88.0	241	Pyraflufen-ethyl	84.7
17	Azinphos-Methyl	93.9	92	Dicloran	65.0	167	Isazophos	90.0	242	Pyrazophos	86.1
18	Benalaxyl	89.3	93	Dicrotofos	ND	168	Isofenphos	86.6	243	Pyributicarb	84.0
19	Bendiocarb	44.9	94	Diethofencarb	84.0	169	Isofenphos P=O	88.4	244	Pyridaben	81.9
20	Benfluranlin	91.4	95	Difenoconazole-1	90.5	170	Isoprocarbe	84.1	245	Pyridafenthion	82.7
21	Benfuresate	94.4	96	Difenoconazole-2	91.0	171	Isoprothiolane	88.0	246	Pyrifenox-1	79.4
22	Benoxacor	86.5	97	Diflufenican	84.7	172	Isoxathion	80.4	247	Pyrifenox-2	79.8
23	BHC-alpha	94.9	98	Dimepiperate	86.8	173	Isoxathion-ox	89.2	248	Pyrimethanil	86.4
24	BHC-beta	81.9	99	Dimethametryn	87.3	174	Kresoxim-methyl	88.6	249	Pyrimidifen	85.1
25	BHC-gamma	83.8	100	Dimethenamid	93.1	175	Lenacil	47.7	250	Pyriminobac-methyl-1	88.7
26	BHC-delta	102.6	101	Dimethipin	94.7	176	Malathion	89.0	251	Pyriminobac-methyl-2	90.2
27	Bifenox	70.8	102	Dimethoate	ND	177	Mecarbam	St-	252	Pyriproxyfen	83.8
28	Bifenthrin	83.0	103	Dimethylvinphos-z	88.5	178	Mefenacet	89.0	253	Pyroquilon	ND
29	Bitertanol-1	85.9	104	Dioxathion	32.5	179	Mefenpyr-diethyl	86.4	254	Quinoclamine	ND
30	Bitertanol-2	80.2	105	Diphenamide	88.8	180	Mepronil	82.7	255	Quinolphos	96.4
31	Bromacil	ND	106	Disulfoton	83.2	181	Metalaxyl	90.5	256	Quinomethionate	67.4
32	Bromobutide	90.6	107	Disulfoton sulfone	94.9	182	Methamidophos	ND	257	Quinoxifen	83.5
33	Bromofos methyl	83.2	108	Edifenphos	93.4	183	Methidathion	90.2	258	Quintozen	79.9
34	Bromophos-ethyl	82.4	109	Endosulfan	86.2	184	Methiocarb	93.8	259	Resmethrin-1	St-
35	Bromopropylate	89.0	110	Endosulfan II	84.4	185	Methoprene-1	St-	260	Resmethrin-2	78.1
36	Buprimate	85.1	111	Endosulfan sulfate	102.6	186	Methoprene-2	88.4	261	Silafiufofen	70.0
37	Buprofezin	88.6	112	EPN	80.5	187	Methoxychlor	90.1	262	Simazin	ND
38	Butachlor	86.7	113	Epoxiconazole	87.2	188	Metolachlor	93.6	263	Simetryn	62.9
39	Butamifos	76.1	114	EPTC	91.5	189	Metominostrobin-e	89.0	264	Spirodiclofen	87.5
40	Butylate	88.1	115	Esprocarb	86.0	190	Metominostrobin-z	77.0	265	Spiroxamine-1	87.7
41	Cadusafos	97.5	116	Ethalfuralin	87.5	191	Mevinphos	ND	266	Spiroxamine-2	81.6
42	Cafenstrole	90.0	117	Ethiofencarb	63.7	192	Monocrotophos	ND	267	TCMTB	92.7
43	Captafol	St-	118	Ethion	85.3	193	Myclobutanil	88.1	268	Tebuconazole	88.4
44	Captan	ND	119	Ethofumesate	95.5	194	Napropamide	85.6	269	Tebufenpyrad	85.0
45	Carbaril	67.5	120	Ethoprophos	94.0	195	Nitrothal-isopropyl	76.7	270	Tecnazene	84.4
46	Carbofuran	40.5	121	Etofenprox	83.1	196	Norflurazon	83.5	271	Tefluthrine	89.1
47	Carboxin	55.1	122	Etoxazole	89.0	197	Oryzalin	St-	272	Terbacil	ND
48	Carfentrazone ethyl	86.1	123	Etrinfos	89.4	198	Oxadiazone	89.7	273	Terbufos	68.2
49	Chlorbenside	70.7	124	Fenamidone	84.2	199	Oxadixyl	ND	274	Terbutryn	85.7
50	Chlorbufam	69.1	125	Fenamiphos	83.1	200	Oxyfluorfen	82.2	275	Tetrachlorvinphos	92.4
51	Chlorethoxyphos	90.3	126	Fenarimol	86.9	201	p,p'-DDD	82.8	276	Tetraconazole	87.2
52	Chlorfenapyr	85.1	127	Fenbuconazole	89.1	202	p,p'-DDE	76.5	277	Tetradifon	85.2
53	Chlorfenson	82.1	128	Fenchlorphos	85.7	203	Pacllobutrazol	85.5	278	Thenylchlor	88.2
54	Chlorfenvinphos-1	87.9	129	Fenitrothion	90.1	204	Parathion	74.6	279	Thiobencarb	89.1
55	Chlorfenvinphos-2	90.2	130	Fenobucarb	96.0	205	Parathion-methyl	87.6	280	Thiometon	93.4
56	Chlorobenzilate	85.2	131	Fenothiocarb	87.2	206	Penconazole	86.8	281	Tolclofos-methyl	86.6
57	Chloroneb	89.1	132	Fenoxanil	89.8	207	Pendimethalin	87.3	282	Tolfenpyrad	87.8
58	Chlorpropham	103.2	133	Fenpropathrin	88.8	208	Permethrin-cis	81.2	283	Toriadimefon	83.1
59	Chlorpyrifos	89.5	134	Fenpropemorph	87.9	209	Permethrin-trans	84.8	284	Triadimenol-1	87.0
60	Chlorpyrifos-methyl	87.9	135	Fensulfiothion	83.9	210	Perthane	82.7	285	Triadimenol-2	85.7
61	Chlorthal-dimethyl	90.1	136	Fenthion	85.4	211	Phenothrin-1	84.9	286	Triallate	79.6
62	Chlozolinate	87.0	137	Fenvalerate-1	82.6	212	Phenothrin-2	84.1	287	Triazophos	82.6
63	Cinidon-ethyl	87.0	138	Fenvalerate-2	84.2	213	Phenthoate	101.2	288	Tricyclazole	ND
64	Clomazone	94.0	139	FIPRONIL	89.6	214	Phorate	93.2	289	Trifloxystrobin	89.5
65	Cyanazine	ND	140	Flamprop-methyl	88.8	215	Phosalone	88.9	290	Trifluralin	91.2
66	Cyanophos	86.8	141	Fluacrypyrim	83.7	216	Phosmet	99.8	291	Thifluzamide	65.1
67	Cyfluthrin-1	52.0	142	Flucythrinate-1	91.7	217	Phosphamidon	37.1	292	Uniconazole	85.3
68	Cyfluthrin-2	93.3	143	Flucythrinate-2	92.4	218	Phthalide	88.9	293	Vinclozoline	95.9
69	Cyfluthrin-3	100.9	144	Fludioxonil	73.8	219	Picolinafen	87.7	294	XMC	64.1
70	Cyfluthrin-4	97.5	145	Flufenpyl-ethyl	94.9	220	Piperonyl butoxide	83.8	295	Zoxamide	109.2
71	Cyhalofop-butyl	88.2	146	Flumiclorac-pentyl	92.0	221	Piperophos	88.5			
72	Cyhalothrin-1	88.5	147	Flumioxazin	91.8	222	Pirimicarb	50.0			
73	Cyhalothrin-2	84.7	148	Fluquinconazole	90.8	223	Pirimiphos methyl	87.7			
74	Cypermethrin-1	78.1	149	Fluridone	81.7	224	Pretilachlor	88.2			
75	Cypermethrin-2	76.9	150	Flusilazole	86.8	225	Procymidone	84.0			

*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-