

dusitD2

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ภาคผนวก ฉ
หนังสือขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน



ลำดับ	สารเคมี	วิธีการตรวจ
38	Phenols	1) Distillation, Chloroform Extraction Method ²¹ 2) Distillation, Direct Photometric Method ²¹
39	Selenium	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ²¹ 2) Digestion, Inductively Coupled Plasma Method ²¹
40	Sulfide	1) Iodometric Method ²¹ 2) Methylene Blue Method ²¹
41	Temperature	Laboratory and Field Methods ²¹
42	Total Dissolved Solids	Dried at 180 °C ²¹
43	Total Kjeldahl Nitrogen	Semi-Micro-Kjeldahl Method ²¹
44	Total Suspended Solids	Dried from 103 to 105 °C ²¹
45	Trivalent Chromium	1) Digestion, Direct Air-Acetylene Flame Method, Colorimetric Method, Calculation ²¹ 2) Digestion, Inductively Coupled Plasma Method, Colorimetric Method, Calculation ²¹
46	Zinc	1) Digestion, Direct Air-Acetylene Flame Method ²¹ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ²¹ 3) Digestion, Inductively Coupled Plasma Method ²¹

วิธีเก็บ จำนวน 126 รายการ

ลำดับ	สารเคมี	วิธีการตรวจ
1	Acenaphthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
2	Acetone	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
3	Aldrin	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
4	Anthracene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹

ลำดับ	สารเคมี	วิธีการตรวจ
5	Antimony	Digestion, Inductively Coupled Plasma Method ²¹
6	Arsenic	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ²¹ 2) Digestion, Inductively Coupled Plasma Method ²¹
7	Atrazine	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
8	Barium	1) Digestion, Electrothermal Atomic Absorption Spectrometric Method ²¹ 2) Digestion, Inductively Coupled Plasma Method ²¹
9	Benz[a]anthracene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
10	Benzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
11	Benzofluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
12	Benzofluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
13	Benzoic acid	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
14	Benzo[a]pyrene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
15	Benzo[ghi]perylene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
16	Beryllium	Digestion, Inductively Coupled Plasma Method ²¹
17	Bis(2-chloroethyl)ether	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
18	Bis(2-ethylhexyl)phthalate	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹

19 Bromodichloromethane...

ลำดับ	สารเคมี	วิธีการตรวจ
19	Bromodichloromethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
20	Bromoforn	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
21	Butanol	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
22	Butyl benzyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
23	Cadmium	1) Digestion, Direct Air-Acetylene Flame Method ²¹ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ²¹ 3) Digestion, Inductively Coupled Plasma Method ²¹
24	Carbazole	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
25	Carbon disulfide	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
26	Carbon tetrachloride	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
27	Chlordane	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
28	p-Chloroaniline	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
29	Chlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
30	Chlorodibromomethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
31	Chloroform	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
32	2-Chlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
33	Chromium	1) Digestion, Direct Air-Acetylene Flame Method, Colorimetric Method, Calculation ²¹ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ²¹ 3) Digestion, Inductively Coupled Plasma Method ²¹

ลำดับ	สารเคมี	วิธีการตรวจ
34	Chromium (III)	1) Digestion, Direct Air-Acetylene Flame Method, Colorimetric Method, Calculation ²¹ 2) Digestion, Inductively Coupled Plasma Method, Colorimetric Method, Calculation ²¹
35	Chromium (VI)	1) Colorimetric Method ²¹ 2) Extraction, Air-Acetylene Flame Method ²¹
36	Chrysene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
37	Cyanide	Distillation, Colorimetric Method ²¹
38	2,4-D	Liquid-Liquid Extraction, Gas Chromatographic Method ²¹
39	DDO	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
40	DDE	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
41	DDT	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
42	Dibenz[a,h]anthracene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
43	Di-n-butyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
44	1,2-Dichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
45	1,3-Dichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
46	1,4-Dichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
47	3,3'-Dichlorobenzidine	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹

48 1,4-Dichlorobenzene...

ลำดับ	สารเคมี	วิธีการตรวจ
48	1,1-Dichloroethane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²⁴
49	1,2-Dichloroethane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²⁴
50	1,1-Dichloroethylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²⁴
51	cis-1,2-Dichloroethylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²⁴
52	trans-1,2-Dichloroethylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²⁴
53	2,4-Dichlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
54	1,2-Dichloropropane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²⁴
55	1,3-Dichloropropane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²⁴
56	1,3-Dichloropropene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²⁴
57	Dieldrin	1) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
58	Diethyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
59	2,4-Dimethylphenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
60	2,4-Dinitrophenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
61	2,4-Dinitrotoluene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
62	2,6-Dinitrofluorene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
63	Di-n-Octyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
64	Endosulfan	1) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴

ลำดับ	สารเคมี	วิธีการตรวจ
65	Endrin	1) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
66	Ethylbenzene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²⁴
67	Fluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
68	Fluorene	1) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
69	Heptachlor	1) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
70	Heptachlor epoxide	1) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
71	Hexachlorobenzene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
72	Hexachloro-1,3-butadiene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²⁴
73	n-Hexane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²⁴
74	o-HCH	1) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
75	p-HCH	1) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴

ลำดับ	สารเคมี	วิธีการตรวจ
76	γ-HCH	1) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
77	Hexachlorocyclopentadiene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
78	Hexachloroethane	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
79	Indeno(1,2,3-cd)pyrene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
80	Isophorone	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
81	Lead	1) Digestion, Direct Air-Acetylene Flame Method ²⁵ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ²⁵ 3) Digestion, Inductively Coupled Plasma Method ²⁵
82	Manganese	1) Digestion, Direct Air-Acetylene Flame Method ²⁵ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ²⁵ 3) Digestion, Inductively Coupled Plasma Method ²⁵
83	Mercury	Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ²⁵
84	Methanol	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²⁴
85	Methoxychlor	Liquid-Liquid Extraction, Gas Chromatographic Method ²⁴
86	Methyl bromide	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²⁴
87	Methylene chloride	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²⁴
88	2-Methylphenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
89	2-Methylnaphthalene	1) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
90	Methyl tert-butyl ether	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²⁴

ลำดับ	สารเคมี	วิธีการตรวจ
91	Naphthalene	1) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
92	Nickel	1) Digestion, Direct Air-Acetylene Flame Method ²⁵ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ²⁵ 3) Digestion, Inductively Coupled Plasma Method ²⁵
93	Nitrobenzene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
94	N-Nitrosodiphenylamine	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
95	N-Nitrosodi-n-propylamine	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
96	Polychlorinated Biphenyls • PCB 1016 • PCB 1221 • PCB 1232 • PCB 1242 • PCB 1248 • PCB 1254 • PCB 1260	1) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
97	Pentachlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
98	pH	Electrometric Method ²⁵
99	Phenanthrene	1) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
100	Phenol	1) Distillation, Chloroform Extraction Method ²⁵ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴
101	Pyrene	1) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²⁴

ลำดับ	สารเคมี	วิธีการตรวจ
102	Selenium	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ²¹ 2) Digestion, Inductively Coupled Plasma Method ¹⁰ Digestion, Inductively Coupled Plasma Method ²¹
103	Silver	
104	Styrene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²¹
105	1,1,2,2-Tetrachloroethane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²¹
106	Tetrachloroethylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²¹
107	Toluene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²¹
108	Toxaphene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²¹
109	TPH (C ₅ - C ₆)	1) Purge and Trap, Gas Chromatographic Method ^{21,22} 2) Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method ^{21,23}
110	TPH (C ₇ - C ₁₀)	Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^{2,24}
111	TPH (C ₁₁ - C ₁₅)	Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^{2,25}
112	1,2,4-Trichlorobenzene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²¹
113	1,1,1-Trichloroethane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²¹
114	1,1,2-Trichloroethane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²¹
115	Trichloroethylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²¹
116	2,4,5-Trichlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²¹
117	2,4,6-Trichlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ²¹
118	1,3,5-Trimethylbenzene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²¹

119 Vanadium...

ลำดับ	สารเคมี	วิธีการตรวจ
119	Vanadium	Digestion, Inductively Coupled Plasma Method ²¹
120	Vinyl acetate	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²¹
121	Vinyl chloride	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²¹
122	m-Xylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²¹
123	o-Xylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²¹
124	p-Xylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²¹
125	Xylene (Total)	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method ²¹
126	Zinc	1) Digestion, Direct Air-Acetylene Flame Method ²¹ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ²¹ 3) Digestion, Inductively Coupled Plasma Method ²¹

สิ่งบ่งชี้หรือวัตถุที่ไม่ใช่สาร 35 รายการ

ลำดับ	สารเคมี	วิธีการตรวจ
1	Aldrin	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^{2,21} 2) Ultrasonic Extraction, Gas Chromatographic Method ^{2,23}
2	Antimony	Digestion, Inductively Coupled Plasma Method ^{21,22}
3	Arsenic	1) Waste Extraction, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^{2,4,24} 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^{2,4,25} 3) Digestion, Hydride Generation/Atomic Spectrometric Method ^{2,26} 4) Digestion, Inductively Coupled Plasma Method ^{2,27}
4	Barium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^{2,28} 2) Digestion, Inductively Coupled Plasma Method ^{2,29}

ลำดับ	สารเคมี	วิธีการตรวจ
5	Beryllium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^{2,4,30} 2) Digestion, Inductively Coupled Plasma Method ^{2,31}
6	Cadmium	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^{2,4,32} 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^{2,4,33} 3) Digestion, Flame Atomic Absorption Spectrometric Method ^{2,4,34} 4) Digestion, Inductively Coupled Plasma Method ^{2,4,35}
7	Chlordane	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^{2,1,21} 2) Ultrasonic Extraction, Gas Chromatographic Method ^{2,21}
8	Chromium	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^{2,4,36} 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^{2,4,37} 3) Digestion, Flame Atomic Absorption Spectrometric Method ^{2,4,38} 4) Digestion, Inductively Coupled Plasma Method ^{2,4,39}
9	Chromium (III)	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method; Waste Extraction, Colorimetric Method; Calculation ^{2,4,3,35} 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method; Waste Extraction, Colorimetric Method; Calculation ^{2,4,37,38} 3) Digestion, Flame Atomic Absorption Spectrometric Method; Alkaline Digestion, Colorimetric Method; Calculation ^{2,4,3,39} 4) Digestion, Inductively Coupled Plasma Method; Alkaline Digestion, Colorimetric Method; Calculation ^{2,4,40}
10	Chromium (VI)	1) Waste Extraction, Colorimetric Method; Calculation ^{2,4,41} 2) Alkaline Digestion, Colorimetric Method; Calculation ^{2,4,42}
11	Cobalt	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^{2,4,43} 2) Digestion, Inductively Coupled Plasma Method ^{2,4,44}

ลำดับ	สารเคมี	วิธีการตรวจ
12	Copper	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^{2,4,45} 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^{2,4,46} 3) Digestion, Flame Atomic Absorption Spectrometric Method ^{2,4,47} 4) Digestion, Inductively Coupled Plasma Method ^{2,4,48}
13	2,4-D	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^{2,1,21} 2) Ultrasonic Extraction, Gas Chromatographic Method ^{2,21}
14	DDO	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^{2,1,21} 2) Ultrasonic Extraction, Gas Chromatographic Method ^{2,21}
15	DDE	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^{2,1,21} 2) Ultrasonic Extraction, Gas Chromatographic Method ^{2,21}
16	DDT	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^{2,1,21} 2) Ultrasonic Extraction, Gas Chromatographic Method ^{2,21}
17	Dieldrin	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^{2,1,21} 2) Ultrasonic Extraction, Gas Chromatographic Method ^{2,21}
18	Endrin	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^{2,1,21} 2) Ultrasonic Extraction, Gas Chromatographic Method ^{2,21}
19	Heptachlor	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^{2,1,21} 2) Ultrasonic Extraction, Gas Chromatographic Method ^{2,21}

ลำดับ	สารเคมี	วิธีการตรวจ
20	Lead	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(1.4.1) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1.4.1) 3) Digestion, Flame Atomic Absorption Spectrometric Method ^(1.4.1) 4) Digestion, Inductively Coupled Plasma Method ^(1.4.1)
21	Lindane	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1.2.1) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(1.2.1)
22	Mercury	1) Waste Extraction, Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^(1.4.1) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1.4.1) 3) Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^(1.4.1) 4) Digestion, Inductively Coupled Plasma Method ^(1.4.1) 5) Thermal Decomposition Amalgamation and Atomic Absorption Spectrometric Method ^(1.4.1)
23	Methoxychlor	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1.2.1) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(1.2.1)
24	Molybdenum	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1.4.1) 2) Digestion, Inductively Coupled Plasma Method ^(1.4.1)
25	Nickel	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(1.4.1) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1.4.1) 3) Digestion, Flame Atomic Absorption Spectrometric Method ^(1.4.1) 4) Digestion, Inductively Coupled Plasma Method ^(1.4.1)

25 Poly...

ลำดับ	สารเคมี	วิธีการตรวจ
26	Polychlorinated Biphenyls - Aroclor 1016 - Aroclor 1221 - Aroclor 1232 - Aroclor 1242 - Aroclor 1248 - Aroclor 1254 - Aroclor 1260 - 2-Chlorobiphenyl - 2,3-Dichlorobiphenyl - 2,2',5-Trichlorobiphenyl - 2,4',5-Trichlorobiphenyl - 2,2',3,5'-Tetrachlorobiphenyl - 2,2',5,5'-Tetrachlorobiphenyl - 2,3',4,4'-Tetrachlorobiphenyl - 2,2',3,4,5'-Pentachlorobiphenyl - 2,2',4,5,5'-Pentachlorobiphenyl - 2,3,3',4,6-Pentachlorobiphenyl - 2,2',3,4,4',5'-Hexachlorobiphenyl - 2,2',3,4,4',5,5'-Hexachlorobiphenyl - 2,2',4,4',5,5'-Hexachlorobiphenyl - 2,2',3,3',4,4',5'-Heptachlorobiphenyl - 2,2',3,4,4',5,5'-Heptachlorobiphenyl - 2,2',3,4',5,5',6-Heptachlorobiphenyl - 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1.2.1) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(1.2.1)

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27 Pentachlorophenol...

ลำดับ	สารเคมี	วิธีการตรวจ
27	Pentachlorophenol	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1.2.1) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1.2.1) Electrometric Method ^(1.2.1)
28	pH	Electrometric Method ^(1.2.1)
29	Selenium	1) Waste Extraction, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(1.4.1) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1.4.1) 3) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(1.4.1) 4) Digestion, Inductively Coupled Plasma Method ^(1.4.1)
30	Silver	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1.4.1) 2) Digestion, Inductively Coupled Plasma Method ^(1.4.1)
31	Thallium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1.4.1) 2) Digestion, Inductively Coupled Plasma Method ^(1.4.1)
32	Toxaphene	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1.2.1) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(1.2.1)
33	Trichloroethylene	1) Waste Extraction, Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(1.2.1) 2) Waste Extraction, Equilibrium Headspace, Gas Chromatographic/Mass Spectrometric Method ^(1.2.1) 3) Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(1.2.1) 4) Equilibrium Headspace, Gas Chromatographic/Mass Spectrometric Method ^(1.2.1)
34	Vanadium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1.4.1) 2) Digestion, Inductively Coupled Plasma Method ^(1.4.1)

35 Zinc...

ลำดับ	สารเคมี	วิธีการตรวจ
35	Zinc	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(1.4.1) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1.4.1) 3) Digestion, Flame Atomic Absorption Spectrometric Method ^(1.4.1) 4) Digestion, Inductively Coupled Plasma Method ^(1.4.1)

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กลุ่มมาตรฐานวิธีการวิเคราะห์และทดสอบเชิงเคมีและฟิสิกส์ โดยวิธีเคมีและฟิสิกส์สำหรับสารเคมีและสารอินทรีย์ในของแข็งและของเหลว. ๐๒๖๐๖๓๗๖ ๓๕ ๒๕๖๓ ๕



ที่ ๒๓ ๐๓๐๘๐๖/๒ ๒ ๒ ๕ ๓ ๕

กรมโรงงานอุตสาหกรรม
แผนกเลขที่ ๒ แขวงคูทูล
เลขที่ ๒๐๕๐๐

๑๓ ธันวาคม ๒๕๖๒

เรื่อง เปลี่ยนแปลงบุคลากรของห้องปฏิบัติการวิเคราะห์

เรียน กรรมการผู้จัดการ บริษัท ยูนิค แอบบิอัส ดอยล์ เอ็นจิเนียริ่ง คอนซัลแตนท์ จำกัด

อ้างถึง คำขอเปลี่ยนแปลงบุคลากร และขอพิจารณาเพื่อปรับปรุงวิธีการวิเคราะห์ของ
ฉบับที่ ๓๒ พฤษภาคม ๒๕๖๒

ทางหนังสือที่อ้างถึง บริษัท ยูนิค แอบบิอัส ดอยล์ เอ็นจิเนียริ่ง คอนซัลแตนท์ จำกัด
ห้องปฏิบัติการวิเคราะห์ของแผนก เลขที่ ๖๕๕ ถนนที่ ๓ แขวงคูทูล ๕๑ ถนนสุขุมวิท
แขวงบางจาก เขตพระโขนง กรุงเทพมหานคร ขอเปลี่ยนแปลงบุคลากรของห้องปฏิบัติการวิเคราะห์
ความละเอียดดังนี้

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว ได้เห็นชอบตามที่ขอปรับปรุงวิธีการวิเคราะห์
จำนวน ๖ ราย ดังนี้

๑) นางสาวพรทิพย์ ประจักษ์	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๒
๒) นายวิมลกร บุญอยู่	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๓
๓) นางสาวอริยา ออภากร	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๔
๔) นายณัฏฐ์ สุทธิ	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๕
๕) นายสิทธิพร พรหมทองอิน	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๖
๖) นางสาวณัฏฐา การภักดี	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๗

ซึ่ง หนังสือฉบับนี้ขอเสนอขอขึ้นทะเบียนต่อสำนักงานปรับปรุงวิธีการวิเคราะห์
เอกสาร ที่ฉบับที่ ๒ กุมภาพันธ์ ๒๕๖๒ ทั้งนี้ ขอเสนอขึ้นคำขอผ่านระบบอิเล็กทรอนิกส์ได้ผ่านเว็บไซต์
กรมโรงงานอุตสาหกรรม

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ

ผู้ว่าราชการ
กรุงเทพมหานคร

ขอไว้ด้วยและเรียนมายังสำนักงาน
กลุ่มมาตรฐานวิธีการวิเคราะห์ทดสอบเชิงเคมีและฟิสิกส์
โทร. ๐ ๒๕๖๐ ๒๖๒๖ ต่อ ๒๑๒๐๓-๕
โทรสาร ๐ ๒๕๖๐ ๒๖๒๖ ต่อ ๒๑๒๐๓
ไปรษณีย์อิเล็กทรอนิกส์ saraband@wae.co.th



ที่ ๒๓ ๐๓๐๘๐๖/๒ ๕ ๓ ๕

กรมโรงงานอุตสาหกรรม
แผนกเลขที่ ๒ แขวงคูทูล
เลขที่ ๒๐๕๐๐

๑๕ พฤษภาคม ๒๕๖๒

เรื่อง เปลี่ยนแปลงบุคลากรของห้องปฏิบัติการวิเคราะห์

เรียน กรรมการผู้จัดการ บริษัท ยูนิค แอบบิอัส ดอยล์ เอ็นจิเนียริ่ง คอนซัลแตนท์ จำกัด

อ้างถึง คำขอเปลี่ยนแปลงบุคลากร และขอพิจารณาเพื่อปรับปรุงวิธีการวิเคราะห์ของ
ฉบับที่ ๑๒ พฤษภาคม ๒๕๖๒

ทางหนังสือที่อ้างถึง บริษัท ยูนิค แอบบิอัส ดอยล์ เอ็นจิเนียริ่ง คอนซัลแตนท์ จำกัด
ห้องปฏิบัติการวิเคราะห์ของแผนก เลขที่ ๖๕๕ ถนนที่ ๓ แขวงคูทูล ๕๑ ถนนสุขุมวิท แขวงบางจาก
เขตพระโขนง กรุงเทพมหานคร ขอเปลี่ยนแปลงบุคลากรของห้องปฏิบัติการวิเคราะห์
ความละเอียดดังนี้

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว เห็นว่าเห็นด้วย ดังนี้

๑) นายณัฏฐ์ สุทธิ	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๕
๒) นางสาวพรทิพย์ ประจักษ์	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๒
๓) นางสาวอริยา ออภากร	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๔
๔) นายวิมลกร บุญอยู่	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๓
๕) นางสาวณัฏฐา การภักดี	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๗
๖) นายณัฏฐ์ สุทธิ	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๕
๗) นายสิทธิพร พรหมทองอิน	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๖
๘) นางสาวอริยา ออภากร	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๔
๙) นางสาวณัฏฐา การภักดี	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๗
๑๐) นายณัฏฐ์ สุทธิ	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๕
๑๑) นางสาวพรทิพย์ ประจักษ์	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๒
๑๒) นางสาวอริยา ออภากร	ทะเบียนเลขที่ ๖-๑๕๕-๖-๐๑๕๔

อนึ่ง หนังสือฉบับนี้ขอเสนอขอขึ้นทะเบียนต่อสำนักงานปรับปรุงวิธีการวิเคราะห์
เอกสาร ที่ฉบับที่ ๒ กุมภาพันธ์ ๒๕๖๒ ทั้งนี้ ขอเสนอขึ้นคำขอผ่านระบบอิเล็กทรอนิกส์ได้ผ่านเว็บไซต์
กรมโรงงานอุตสาหกรรม

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ

ผู้ว่าราชการ
กรุงเทพมหานคร

ขอไว้ด้วยและเรียนมายังสำนักงาน
กลุ่มมาตรฐานวิธีการวิเคราะห์ทดสอบเชิงเคมีและฟิสิกส์
โทร. ๐ ๒๕๖๐ ๒๖๒๖ ต่อ ๒๑๒๐๓-๕
โทรสาร ๐ ๒๕๖๐ ๒๖๒๖ ต่อ ๒๑๒๐๓
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การนำความรู้ที่มีอยู่มาทำอย่างอื่นที่แตกต่างออกไปเป็นอีกสิ่งหนึ่ง โดยวิธีนี้อาจทำได้โดยทั่วไปหาก การนำความรู้จากเรื่องใด ๆ ของตนเองมาทำอย่างอื่น

16 c.p. 001 ...

36 Oil & Grease...

ลำดับ	สารทดสอบ	วิธีการวิเคราะห์
36	Oil & Grease	1) Liquid-Liquid, Partition-Gravimetric Method ⁽¹⁾ 2) Soxhlet Extraction Method ⁽¹⁾
37	pH	Electrometric Method ⁽¹⁾
38	Phenols	1) Distillation, Chloroform Extraction Method ⁽¹⁾ 2) Distillation, Direct Photometric Method ⁽²⁾
39	Selenium	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ⁽¹⁾ 2) Digestion, Inductively Coupled Plasma Method ⁽¹⁾
40	Sulfide	1) Iodometric Method ⁽¹⁾ 2) Methylene Blue Method ⁽¹⁾
41	Temperature	Laboratory and Field Methods ⁽¹⁾
42	Total Dissolved Solids	Dried at 180 °C ⁽¹⁾
43	Total Kjeldahl Nitrogen	Semi-Micro-Kjeldahl Method ⁽¹⁾
44	Total Suspended Solids	Dried at 105-105 °C ⁽¹⁾
45	Trivalent Chromium	1) Digestion, Direct Air-Acetylene Flame Method, Colorimetric Method, Calculation ⁽¹⁾ 2) Digestion, Inductively Coupled Plasma Method, Colorimetric Method, Calculation ⁽¹⁾
46	Zinc	1) Digestion, Direct Air-Acetylene Flame Method ⁽¹⁾ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁽¹⁾ 3) Digestion, Inductively Coupled Plasma Method ⁽¹⁾

ลำดับ	สารเคมี	วิธีการ
1	Acenaphthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽¹⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽²⁾
2	Acetone	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽³⁾
3	Aldrin	

4 Anthracene...

ลำดับ	สารเคมี	วิธีการตรวจ
4	Anthracene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁴¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁴²
5	Antimony	Digestion, Inductively Coupled Plasma Method ⁴³
6	Arsenic	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ⁴³ 2) Digestion, Inductively Coupled Plasma Method ⁴²
7	Atrazine	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁴³
8	Barium	1) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁴² 2) Digestion, Inductively Coupled Plasma Method ⁴²
9	Benzo(a)anthracene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁴¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁴¹
10	Benzene	Purge and Trap Gas Chromatographic/Atomic Spectrometric Method ⁴⁴
11	Benzo(h)fluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁴¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁴¹
12	Benzo(k)fluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁴¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁴¹
13	Benzoic acid	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁴¹
14	Benzo(a)pyrene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁴¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁴¹

15 Benzofuran, 1,1'-biphenyl-2,2'-diyl...

ลำดับ	สารเคมี	วิธีการหาผล
15	Benzo(g,h,i)perylene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽¹⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽²⁾
16	Beryllium	Digestion, Inductively Coupled Plasma Method ⁽¹⁾
17	Bis(2-chloroethyl)ether	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
18	Bis(2-ethylhexyl)phthalate	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
19	Bromodichloromethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
20	Bromoform	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
21	Butanol	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
22	Butyl benzyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
23	Cadmium	1) Digestion, Direct Air-Acetylene Flame Method ⁽¹⁾ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁽²⁾ 3) Digestion, Inductively Coupled Plasma Method ⁽³⁾
24	Carbazole	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
25	Carbon disulfide	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
26	Carbon tetrachloride	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
27	Chlordane	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽¹⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽²⁾
28	p-Chloroaniline	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
29	Chlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾

30 Chlorodibromomethane...

ลำดับ	สารเคมี	วิธีการหาผล
30	Chlorodibromomethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
31	Chloroform	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
32	2-Chlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
33	Chromium	1) Digestion, Direct Air-Acetylene Flame Method ⁽¹⁾ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁽²⁾ 3) Digestion, Inductively Coupled Plasma Method ⁽³⁾
34	Chromium (II)	1) Digestion, Direct Air-Acetylene Flame Method; Colorimetric Method; Calculation ⁽¹⁾ 2) Digestion, Inductively Coupled Plasma Method; Colorimetric Method; Calculation ⁽²⁾
35	Chromium (VI)	1) Colorimetric Method ⁽¹⁾ 2) Extraction, Air-Acetylene Flame Method ⁽²⁾
36	Chrysene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽¹⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽²⁾
37	Cyanide	Distillation, Colorimetric Method ⁽¹⁾
38	2,4-D	Liquid-Liquid Extraction, Gas Chromatographic Method ⁽¹⁾
39	DDD	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽¹⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽²⁾
40	DDE	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽¹⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽²⁾
41	DDT	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽¹⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽²⁾

42 Dibenz(a,h)anthracene...

ลำดับ	สารเคมี	วิธีการหาผล
42	Dibenz(a,h)anthracene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽¹⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽²⁾
43	Di-n-butyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
44	1,2-Dichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
45	1,3-Dichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
46	1,4-Dichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
47	3,3'-Dichlorobenzidine	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
48	1,1-Dichloroethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
49	1,2-Dichloroethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
50	1,1-Dichloroethylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
51	cis-1,2-Dichloroethylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
52	trans-1,2-Dichloroethylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
53	2,4-Dichlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
54	1,2-Dichloropropene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
55	1,3-Dichloropropane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
56	1,3-Dichloropropene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
57	Dieldrin	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽¹⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽²⁾

58 Diethyl phthalate...

ลำดับ	สารเคมี	วิธีการหาผล
58	Diethyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
59	2,4-Dimethylphenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
60	2,4-Dinitrophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
61	2,6-Dinitrofluorene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
62	2,6-Dinitrotoluene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
63	Di-n-Octyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
64	Endosulfan	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽¹⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽²⁾
65	Enzin	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽¹⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽²⁾
66	Ethylbenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
67	Fluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽¹⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽²⁾
68	Fluorene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽¹⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽²⁾
69	Heptachlor	1) Liquid-Liquid Extraction, Gas Chromatographic Method ⁽¹⁾ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽²⁾

70 Heptachlor epoxide...

ลำดับ	สารเคมี	วิธีการตรวจ
70	Hepachlor epoxide	1) Liquid-Liquid Extraction, Gas Chromatographic Method ² 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
71	Hexachlorobenzene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
72	Hexachloro-1,3-cyclohexadiene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
73	n-Hexane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
74	α-HCH	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
75	β-HCH	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
76	γ-HCH	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
77	Hexachlorocyclopentadiene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
78	Hexachloroethane	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
79	Indeno(1,2,3-cd)pyrene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
80	Isophorone	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
81	Lead	1) Digestion, Direct Air-Acetylene Flame Method ²¹ 2) Digestion, Electrothermal Atomic Spectrometric Method ²¹ 3) Digestion, Inductively Coupled Plasma Method ²¹

82 Manganese...

ลำดับ	สารเคมี	วิธีการตรวจ
82	Manganese	1) Digestion, Direct Air-Acetylene Flame Method ²¹ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ²¹ 3) Digestion, Inductively Coupled Plasma Method ²¹
83	Mercury	Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ²¹
84	Methanol	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
85	Methoxychlor	Liquid-Liquid Extraction, Gas Chromatographic Method ²¹
86	Methyl bromide	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
87	Methylene chloride	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
88	2-Methylphenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
89	2-Methylnaphthalene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
90	Methyl tert-butyl ether	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
91	Naphthalene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
92	Nickel	1) Digestion, Direct Air-Acetylene Flame Method ²¹ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ²¹ 3) Digestion, Inductively Coupled Plasma Method ²¹
93	Nitrobenzene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
94	N-Nitrosodiphenylamine	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
95	N-Nitrosodi-n-propylamine	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹

96 Polychlorinated Biphenyls...

ลำดับ	สารเคมี	วิธีการตรวจ
96	Polychlorinated Biphenyls - PCB 1016 - PCB 1221 - PCB 1232 - PCB 1242 - PCB 1248 - PCB 1254 - PCB 1260	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
97	Pentachlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
98	pH	Electrometric Method ²¹
99	Phenanthrene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
100	Phenol	1) Distillation, Chloroform Extraction Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
101	Pyrene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
102	Selenium	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ²¹ 2) Digestion, Inductively Coupled Plasma Method ²¹
103	Silver	Digestion, Inductively Coupled Plasma Method ²¹
104	Styrene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
105	1,1,2,2-Tetrachloroethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
106	Tetrachloroethylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
107	Toluene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹

108 Toxaphene...

ลำดับ	สารเคมี	วิธีการตรวจ
105	Toxaphene	1) Liquid-Liquid Extraction, Gas Chromatographic Method ²¹ 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
106	TPH (C ₁₀ - C ₁₃)	1) Purge and Trap, Gas Chromatographic Method ^{21,22} 2) Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^{21,22}
110	TPH (C ₁₄ - C ₁₇)	Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^{21,22}
111	TPH (C ₁₈ - C ₂₁)	Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^{21,22}
112	1,2,4-Trichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
113	1,1,1-Trichloroethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
114	1,1,2-Trichloroethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
115	Trichloroethylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
116	2,4,5-Trichlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
117	2,4,6-Trichlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ²¹
118	1,3,5-Trimethylbenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
119	Vanadium	Digestion, Inductively Coupled Plasma Method ²¹
120	Vinyl acetate	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
121	Vinyl chloride	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
122	m-Xylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹
123	o-Xylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ²¹

124 p-Xylene...

ลำดับ	สารเคมี	วิธีวิเคราะห์
124	p-Xylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
125	Xylene (Total)	Purge and Trap Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾
126	Zinc	1) Digestion, Direct Air-Acetylene Flame Method ⁽²⁾ 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ⁽³⁾ 3) Digestion, Inductively Coupled Plasma Method ⁽⁴⁾

สารเคมี (ไม่อันตราย) จำนวน 25 รายการ

ลำดับ	สารเคมี	วิธีวิเคราะห์
1	Antimony	Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁽¹⁾
2	Arsenic	1) Isokinetic Sampling, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ⁽³⁾ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁽¹⁾
3	Barium	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method ⁽²⁾ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁽¹⁾
4	Carbon Monoxide	Instrumental Analyzer Method ⁽⁵⁾
5	Chlorine	Isokinetic Sampling, Ion Chromatographic Method ⁽⁶⁾
6	Chromium	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method ⁽¹⁾ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁽³⁾
7	Cobalt	Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁽¹⁾
8	Copper	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method ⁽¹⁾ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁽³⁾
9	Cresol	Absorption Sampling, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾

10 Dioxins/Furans...

สารเคมี (อันตราย) จำนวน 35 รายการ

ลำดับ	สารเคมี	วิธีวิเคราะห์
1	As ³⁺	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,2,3) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(1,2,4)
2	Antimony	Digestion, Inductively Coupled Plasma Method ^(1,2)
3	Arsenic	1) Waste Extraction, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(1,2,3) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,2,4) 3) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(1,2,5) 4) Digestion, Inductively Coupled Plasma Method ^(1,2,6)
4	Barium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,2,3) 2) Digestion, Inductively Coupled Plasma Method ^(1,2,4)
5	Beryllium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,2,3) 2) Digestion, Inductively Coupled Plasma Method ^(1,2,4)
6	Cadmium	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(1,2,3) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,2,4) 3) Digestion, Flame Atomic Absorption Spectrometric Method ^(1,2,5) 4) Digestion, Inductively Coupled Plasma Method ^(1,2,6)
7	Chlordane	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,2,3) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(1,2,4)
8	Chrysene	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(1,2,3) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,2,4)

3) Digestion,...

ลำดับ	สารเคมี	วิธีวิเคราะห์
10	Dioxins/Furans	Isokinetic Sampling ⁽¹⁾
11	Hydrogen Chloride	Isokinetic Sampling, Ion Chromatographic Method ⁽²⁾
12	Hydrogen Fluoride	Isokinetic Sampling, Ion Chromatographic Method ⁽²⁾
13	Hydrogen Sulfide	Absorption Sampling, Iodometric Method ⁽³⁾
14	Lead	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method ⁽¹⁾ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁽³⁾
15	Manganese	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method ⁽¹⁾ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁽³⁾
16	Mercury	Isokinetic Sampling, Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ⁽⁴⁾
17	Nickel	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method ⁽¹⁾ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁽³⁾
18	Opacity	Ringelmann's Method ⁽⁵⁾
19	Oxides of Nitrogen	1) Absorption Sampling, Phenoldisulfonic acid Method ⁽⁶⁾ 2) Instrumental Analyzer Method ⁽⁷⁾
20	Selenium	1) Isokinetic Sampling, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ⁽¹⁾ 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁽³⁾
21	Sulfur Dioxide	1) Absorption Sampling, Barium-Thion Thiometric Method ⁽⁸⁾ 2) Instrumental Analyzer Method ⁽²⁾
22	Sulfuric Acid	Isokinetic Sampling, Barium-Thion Thiometric Method ⁽²⁾
23	Total Suspended Particulate	Isokinetic Sampling, Gravimetric Method ⁽⁹⁾
24	Vanadium	Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method ⁽³⁾
25	Xylene	1) Isokinetic Sampling, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾ 2) Absorption Sampling, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁾

สิ่งปลูก...

ลำดับ	สารเคมี	วิธีวิเคราะห์
9	Chromium (III)	3) Digestion, Flame Atomic Absorption Spectrometric Method ^(1,2) 4) Digestion, Inductively Coupled Plasma Method ^(1,3) 1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method; Waste Extraction, Colorimetric Method; Calculation ^(2,4,5) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method; Waste Extraction, Colorimetric Method; Calculation ^(2,4,6) 3) Digestion, Flame Atomic Absorption Spectrometric Method; Alkaline Digestion, Colorimetric Method; Calculation ^(7,8,9) 4) Digestion, Inductively Coupled Plasma Method; Alkaline Digestion, Colorimetric Method; Calculation ^(7,8,10)
10	Chromium (VI)	1) Waste Extraction, Colorimetric Method ^(2,4,1) 2) Alkaline Digestion, Colorimetric Method ^(2,4,1)
11	Cobalt	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,2,3) 2) Digestion, Inductively Coupled Plasma Method ^(1,2,4)
12	Copper	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(1,2,3) 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method ^(1,2,4) 3) Digestion, Flame Atomic Absorption Spectrometric Method ^(1,2,5) 4) Digestion, Inductively Coupled Plasma Method ^(1,2,6)
13	2,4-D	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,2,3) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(1,2,4)
14	DDD	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method ^(1,2,3) 2) Ultrasonic Extraction, Gas Chromatographic Method ^(1,2,4)

15 DDE...

32 Digestion...

2,2,4,5,5-

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3 Aspirin

ลำดับ	สารเคมี	วิธีวิเคราะห์
1	Acenaphthene	1) Ultrasonic Extraction, Gas Chromatographic Method ^(1,2) 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,3)
2	Aniline	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ^(1,2)

ลำดับ	สารเคมี	วิธีวิเคราะห์
3	Alzoin	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹²⁾²⁷ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹
4	Anthracene	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹²⁾²⁶ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾²⁵
5	Antimony	Digestion, Inductively Coupled Plasma Method ⁽¹²⁾¹¹
6	Arsenic	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ⁽¹²⁾¹⁸ 2) Digestion, Inductively Coupled Plasma Method ⁽¹²⁾¹⁹
7	Atrazine	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾²¹
8	Barium	Digestion, Inductively Coupled Plasma Method ⁽¹²⁾¹²
9	Benz[a]anthracene	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹²⁾⁴⁸ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹
10	Benzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
11	Benzobifuranthene	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹²⁾⁴¹ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹
12	Benzofluoranthene	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹²⁾⁴¹ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹
13	Benzoic acid	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
14	Benzolopyrene	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹²⁾⁴¹ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹

15 Benzofluoranthene...

ลำดับ	สารเคมี	วิธีวิเคราะห์
15	Benzofluoranthene	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹²⁾⁴¹ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹
16	Beryllium	Digestion, Inductively Coupled Plasma Method ⁽¹²⁾¹¹
17	Bis(2-chloroethyl)ether	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾²¹
18	Bis(2-ethylhexyl)phthalate	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹
19	Bromodichloromethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
20	Bromoforn	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
21	Butanol	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
22	Butyl benzyl phthalate	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹
23	Caesium	1) Digestion, Flame Atomic Absorption Spectrometric Method ⁽¹²⁾¹¹ 2) Digestion, Inductively Coupled Plasma Method ⁽¹²⁾¹¹
24	Carbazole	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹
25	Carbon disulfide	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
26	Carbon tetrachloride	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
27	Chlordane	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹²⁾⁴¹ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹
28	p-Chloroaniline	Ultrasonic Extraction, Gas Chromatographic Method ⁽¹²⁾⁴¹
29	Chlorobenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
30	Chlorobromomethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹

31 Chloroform...

ลำดับ	สารเคมี	วิธีวิเคราะห์
31	Chloroform	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
32	2-Chlorophenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹
33	Chromium	1) Digestion, Flame Atomic Absorption Spectrometric Method ⁽¹²⁾¹¹ 2) Digestion, Inductively Coupled Plasma Method ⁽¹²⁾¹¹
34	Chromium (III)	1) Digestion, Flame Atomic Absorption Spectrometric Method, Alkaline Digestion, Colorimetric Method, Calculation ⁽¹²⁾¹⁸ 2) Digestion, Inductively Coupled Plasma Method, Alkaline Digestion, Colorimetric Method, Calculation ⁽¹²⁾¹⁹
35	Chromium (VI)	Alkaline Digestion, Colorimetric Method ⁽¹²⁾¹⁹
36	Cresolene	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹²⁾⁴¹ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹
37	Cyanide	Extraction, Distillation, Colorimetric Method ⁽¹²⁾¹²
38	2,4-D	Ultrasonic Extraction, Gas Chromatographic Method ⁽¹²⁾²⁷
39	DDD	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹²⁾²⁷ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾²⁷
40	DDE	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹²⁾²⁷ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾²⁷
41	DDT	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹²⁾²⁷ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾²⁷
42	Dibenz[a,h]anthracene	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹²⁾⁴¹ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹

43 Di-n-butyl phthalate...

ลำดับ	สารเคมี	วิธีวิเคราะห์
43	Di-n-butyl phthalate	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹
44	1,2-Dichlorobenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
45	1,3-Dichlorobenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
46	1,4-Dichlorobenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
47	3,3'-Dichlorobenzidine	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹
48	1,1-Dichloroethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
49	1,2-Dichloroethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
50	1,1-Dichloroethylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
51	cis-1,2-Dichloroethylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
52	trans-1,2-Dichloroethylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
53	2,4-Dichlorophenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹
54	1,2-Dichloropropene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
55	1,3-Dichloropropane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
56	1,3-Dichloropropane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁵¹
57	Dieldrin	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹²⁾⁴¹ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹
58	Diethyl phthalate	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹
59	2,4-Dimethylphenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹²⁾⁴¹

60 2,4-Dichlorophenol...

ลำดับ	สารเคมี	วิธีการตรวจ
60	2,4-Dinitrophenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
61	2,4-Dinitrotoluene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
62	2,6-Dinitrotoluene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
63	D-n-Octyl phthalate	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
64	Endosulfen	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹⁶²⁵⁾ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
65	Endrin	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹⁶²⁵⁾ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
66	Ethylbenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁵⁾
67	Fluoranthene	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹⁶²⁵⁾ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
68	Fluorene	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹⁶²⁴⁾ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
69	Heptachlor	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹⁶²⁵⁾ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
70	Heptachlor epoxide	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹⁶²⁵⁾ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾

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71 Hexachlorobenzene...

ลำดับ	สารเคมี	วิธีการตรวจ
71	Hexachlorobenzene	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹⁶²⁴⁾ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
72	Hexachloro-1,3-butadiene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁵⁾
73	n-Hexane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁵⁾
74	α-MCH	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹⁶²⁵⁾ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
75	β-MCH	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹⁶²⁵⁾ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
76	γ-MCH	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹⁶²⁵⁾ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
77	Hexachlorocyclopentadiene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
78	Hexachloroethane	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁵⁾
79	Indeno[1,2,3-cd]pyrene	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹⁶²⁵⁾ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
80	Isophorone	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
81	Lead	1) Digestion, Flame Atomic Absorption Method ⁽¹⁶²⁶⁾ 2) Digestion, Inductively Coupled Plasma Method ⁽¹⁶²⁷⁾
82	Manganese	1) Digestion, Flame Atomic Absorption Method ⁽¹⁶²⁶⁾ 2) Digestion, Inductively Coupled Plasma Method ⁽¹⁶²⁷⁾

83 Mercury...

ลำดับ	สารเคมี	วิธีการตรวจ
83	Mercury	1) Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ⁽¹⁶²⁸⁾ 2) Digestion, Inductively Coupled Plasma Method ⁽¹⁶²⁷⁾ 3) Thermal Decomposition Amalgamation and Atomic Absorption Spectrometric Method ⁽¹⁶²⁹⁾
84	Methanol	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁵⁾
85	Methoxychlor	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹⁶²⁵⁾ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
86	Methyl bromide	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁵⁾
87	Methylene chloride	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁵⁾
88	3-Methylphenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
89	2-Methylnaphthalene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
90	Methyl tert-butyl ether	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁵⁾
91	Naphthalene	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹⁶²⁵⁾ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
92	Nickel	1) Digestion, Flame Atomic Absorption Spectrometric Method ⁽¹⁶²⁶⁾ 2) Digestion, Inductively Coupled Plasma Method ⁽¹⁶²⁷⁾
93	Nitrobenzene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
94	N-Clitrodiphenylamine	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾
95	N-Nitrosodi-n-propylamine	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾

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96 Polychlorinated Biphenyls...

ลำดับ	สารเคมี	วิธีการตรวจ
96	Polychlorinated Biphenyls - Aroclor 1016 - Aroclor 1221 - Aroclor 1232 - Aroclor 1242 - Aroclor 1248 - Aroclor 1254 - Aroclor 1260 Polychlorinated Biphenyls - 2-Chlorobiphenyl - 2,3-Dichlorobiphenyl - 2,2',5-Trichlorobiphenyl - 2,4',5-Trichlorobiphenyl - 2,2',3,5-Tetrachlorobiphenyl - 2,2',5,5'-Tetrachlorobiphenyl - 2,3,4,4'-Tetrachlorobiphenyl - 2,2',3,4,5'-Pentachlorobiphenyl - 2,2',4,5,5'-Pentachlorobiphenyl - 2,3,3',4,6'-Pentachlorobiphenyl - 2,2',3,4,4',5'-Hexachlorobiphenyl - 2,2',3,5,5',6'-Hexachlorobiphenyl - 2,2',4,4',5,5'-Hexachlorobiphenyl - 2,2',3,3',4,4',5'-Heptachlorobiphenyl - 2,2',3,4,4',5,5'-Heptachlorobiphenyl - 2,2',3,4,4',5,6'-Heptachlorobiphenyl	1) Ultrasonic Extraction, Gas Chromatographic Method ⁽¹⁶²⁴⁾ 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method ⁽¹⁶²⁴⁾ Ultrasonic Extraction, Gas Chromatographic Method ⁽¹⁶²⁴⁾

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83 Mercury...

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