

Grande Centre Point

SURAWONG • BANGKOK

ภาคผนวก ฉ

หนังสือขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน





ลำดับ	สารเคมี	วิธีวิเคราะห์
39	Phenols	1) Distillation, Chloroform Extraction Method <sup>(1)</sup> 2) Distillation, Direct Photometric Method <sup>(2)</sup>
39	Selenium	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>(1)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(2)</sup>
40	Sulfide	1) Iodometric Method <sup>(1)</sup> 2) Methylene Blue Method <sup>(2)</sup>
41	Temperature	Laboratory and Field Methods <sup>(1)</sup>
42	Total Dissolved Solids	Evect at 180 °C <sup>(1)</sup>
43	Total Kjeldahl Nitrogen	Semi Micro Kjeldahl Method <sup>(1)</sup>
44	Total Suspended Solids	Filtered from 100 to 105 °C <sup>(1)</sup>
45	Trihalomethanes	1) Digestion, Direct Air Acetylene Flame Method; Colorimetric Method; Calculation <sup>(1)</sup> 2) Digestion, Inductively Coupled Plasma Method; Colorimetric Method; Calculation <sup>(2)</sup>
46	Urea	1) Digestion, Direct Air Acetylene Flame Method <sup>(1)</sup> 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method <sup>(2)</sup> 3) Digestion, Inductively Coupled Plasma Method <sup>(3)</sup>

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ลำดับ	สารเคมี	วิธีวิเคราะห์
1	Acetophenone	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(2)</sup>
2	Acetone	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup>
3	Allyl	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(2)</sup>
4	Anthracene	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(2)</sup>

5. Antimony

ลำดับ	สารเคมี	วิธีวิเคราะห์
5	Antimony	Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
6	Arsenic	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>(1)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(2)</sup>
7	Atrazine	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup>
8	Baizein	1) Digestion, Electrothermal Atomic Absorption Spectrometric Method <sup>(1)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(2)</sup>
9	Benzanthracene	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(2)</sup>
10	Benzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup>
11	Benzofluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(2)</sup>
12	Benzofluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(2)</sup>
13	Benzic acid	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup>
14	Benzofluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(2)</sup>
15	Benzofluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(2)</sup>
16	Beryllium	Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
17	Bis(2-chloroethyl)ether	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup>
18	Bis(2-ethylhexyl)phthalate	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup>

19. Bromochlorobenzene

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

34. Chromium (III)

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

48. 1,1-Dichloroethane

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

65 Endrin...

ลำดับ	สารเคมี	วิธีการตรวจ
65	Endrin	1) Liquid-Liquid Extraction, Gas Chromatographic/ Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
66	Ethylbenzene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
67	Fluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic/ Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
68	Fluorene	1) Liquid-Liquid Extraction, Gas Chromatographic/ Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
69	Heptachlor	1) Liquid-Liquid Extraction, Gas Chromatographic/ Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
70	Heptachlor epoxide	1) Liquid-Liquid Extraction, Gas Chromatographic/ Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
71	Hexachlorobenzene	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
72	Hexachloro-1,3-Butadiene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
73	n-Hexane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
74	α-HCH	1) Liquid-Liquid Extraction, Gas Chromatographic/ Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
75	β-HCH	1) Liquid-Liquid Extraction, Gas Chromatographic/ Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>

76 γ-HCH...

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

91 Naphthalene...

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

102 Selenium...

ลำดับ	สารเคมี	วิธีวิเคราะห์
102	Selenium	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>(1)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
103	Silver	Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
104	Styrene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
105	1,1,2,2-Tetrachloroethane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
106	Tetrachloroethylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
107	Toluene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
108	Toxaphene	1) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
109	TPH (C <sub>10</sub> - C <sub>20</sub> )	1) Purge and Trap, Gas Chromatographic Method <sup>(1,2)</sup> 2) Purge and Trap, Gas Chromatographic/ Mass Spectrometric Method <sup>(1,2)</sup>
110	TPH (C <sub>20</sub> - C <sub>30</sub> )	Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1,2)</sup>
111	TPH (C <sub>30</sub> - C <sub>40</sub> )	Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1,2)</sup>
112	1,2,4-Trichlorobenzene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
113	1,1,1-Trichloroethane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
114	1,1,2-Trichloroethane	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
115	Trichloroethylene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
116	2,4,6-Trichlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
117	2,4,6-Trichlorophenyl	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>
118	1,2,3-Trimethylbenzene	Purge and Trap Gas Chromatographic/ Mass Spectrometric Method <sup>(1)</sup>

119 Vanadium..

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

สรุปผลการวิเคราะห์ที่ใช้แล้ว จำนวน 35 รายการ

ลำดับ	สารเคมี	วิธีวิเคราะห์
1	Aldrin	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1,2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>(8,2)</sup>
2	Antimony	Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup>
3	Arsenic	1) Waste Extraction, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>(1,4,12)</sup> 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1,4,12)</sup> 3) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>(1,4,12)</sup> 4) Digestion, Inductively Coupled Plasma Method <sup>(1,4,12)</sup>
4	Barium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1,4,12)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(1,4,12)</sup>

5 Beryllium..

ลำดับ	สารเคมี	วิธีวิเคราะห์
5	Beryllium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1,4,12)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(1,4,12)</sup>
6	Cadmium	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method <sup>(1,4,12)</sup> 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1,4,12)</sup> 3) Digestion, Flame Atomic Absorption Spectrometric Method <sup>(1,4,12)</sup> 4) Digestion, Inductively Coupled Plasma Method <sup>(1,4,12)</sup>
7	Chlordane	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1,2,12)</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>(8,2)</sup>
8	Chromium	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method <sup>(1,4,12)</sup> 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1,4,12)</sup> 3) Digestion, Flame Atomic Absorption Spectrometric Method <sup>(1,4,12)</sup> 4) Digestion, Inductively Coupled Plasma Method <sup>(1,4,12)</sup>
9	Chromium (III)	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method; Waste Extraction, Colorimetric Method; Calculation <sup>(1,4,12)</sup> 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method; Waste Extraction, Colorimetric Method; Calculation <sup>(1,4,12)</sup> 3) Digestion, Flame Atomic Absorption Spectrometric Method; Alkaline Digestion, Colorimetric Method; Calculation <sup>(1,4,12)</sup> 4) Digestion, Inductively Coupled Plasma Method; Alkaline Digestion, Colorimetric Method; Calculation <sup>(1,4,12)</sup>
10	Chromium (VI)	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method; Alkaline Digestion, Colorimetric Method; Calculation <sup>(1,4,12)</sup> 2) Alkaline Digestion, Colorimetric Method <sup>(1,4,12)</sup>
11	Cobalt	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1,4,12)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(1,4,12)</sup>

12 Copper..

ลำดับ	สารเคมี	วิธีวิเคราะห์
12	Copper	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method <sup>(1,4,12)</sup> 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1,4,12)</sup> 3) Digestion, Flame Atomic Absorption Spectrometric Method <sup>(1,4,12)</sup> 4) Digestion, Inductively Coupled Plasma Method <sup>(1,4,12)</sup>
13	2,4-D	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1,2,12)</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>(8,2)</sup>
14	DDC	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1,2,12)</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>(8,2)</sup>
15	DDC	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1,2,12)</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>(8,2)</sup>
16	DDT	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1,2,12)</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>(8,2)</sup>
17	Dieldrin	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1,2,12)</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>(8,2)</sup>
18	Endrin	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1,2,12)</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>(8,2)</sup>
19	Heptachlor	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1,2,12)</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>(8,2)</sup>

20 Lead..



ลำดับ	สารเคมี	วิธีวิเคราะห์
20	Lead	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method <sup>(1,11)</sup> 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup> 3) Digestion, Flame Atomic Absorption Spectrometric Method <sup>(1,1)</sup> 4) Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup>
21	Lindane	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1,13)</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1,1)</sup>
22	Mercury	1) Waste Extraction, Digestion, Cold-Vapor Atomic Absorption Spectrometric Method <sup>(1,1)</sup> 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup> 3) Digestion, Cold-Vapor Atomic Absorption Spectrometric Method <sup>(1,1)</sup> 4) Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup> 5) Thermal Decomposition Amalgamation and Atomic Absorption Spectrometric Method <sup>(1,1)</sup>
23	Methoxychlor	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1,13)</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1,1)</sup>
24	Molybdenum	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup>
25	Nickel	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method <sup>(1,11)</sup> 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup> 3) Digestion, Flame Atomic Absorption Spectrometric Method <sup>(1,11)</sup> 4) Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup>

26 Polychlorinated Biphenyls...

ลำดับ	สารเคมี	วิธีวิเคราะห์
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',3,4,5,5'-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 - 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 <sup>(1,12)</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1,1)</sup>

27 Pentachlorophenol...

ลำดับ	สารเคมี	วิธีวิเคราะห์
27	Pentachlorophenol	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1,12)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1,1)</sup> Electrometric Method <sup>(1,13)</sup>
28	pH	
29	Selenium	1) Waste Extraction, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>(1,14)</sup> 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup> 3) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>(1,14)</sup> 4) Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup>
30	Silver	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup>
31	Thallium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup>
32	Toxaphene	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1,13)</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1,1)</sup>
33	Trichloroethylene	1) Waste Extraction, Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(1,13)</sup> 2) Waste Extraction, Equilibrium Headspace, Gas Chromatographic/Mass Spectrometric Method <sup>(1,13)</sup> 3) Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(1,13)</sup> 4) Equilibrium Headspace, Gas Chromatographic/Mass Spectrometric Method <sup>(1,13)</sup>
34	Vanadium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup>

35 Zinc...

ลำดับ	สารเคมี	วิธีวิเคราะห์
35	Zinc	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method <sup>(1,11)</sup> 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup> 3) Digestion, Flame Atomic Absorption Spectrometric Method <sup>(1,11)</sup> 4) Digestion, Inductively Coupled Plasma Method <sup>(1,12)</sup>

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ที่ อภ ๐๓๑๐(๑)/ ๑๖๗ ๑๖๗



กรมส่งเสริมการค้าระหว่างประเทศ  
ส่วนกลาง  
เลขที่ ๑๖๗ ๑๖๗

๑๖ กรกฎาคม ๒๕๖๒

เรื่อง เสนอขอเปิดประมูลจ้างบริษัทผู้ให้บริการวิเคราะห์

เรียน กรรมการผู้จัดการ บริษัท ยูนิค แอนด์ เอ็นจิเนียริ่ง คอนซัลแตนท์ จำกัด

อ้างถึง คำขอเปิดประมูลจ้างบริษัทผู้ให้บริการวิเคราะห์ และเปิดประมูลจ้างบริษัทผู้ให้บริการวิเคราะห์

ตามหนังสือที่อ้างถึง บริษัท ยูนิค แอนด์ เอ็นจิเนียริ่ง คอนซัลแตนท์ จำกัด ขอเปิดประมูลจ้างบริษัทผู้ให้บริการวิเคราะห์ และเปิดประมูลจ้างบริษัทผู้ให้บริการวิเคราะห์

กรมส่งเสริมการค้าระหว่างประเทศฯ ได้เห็นชอบให้เปิดประมูลจ้างบริษัทผู้ให้บริการวิเคราะห์

- จำนวน ๖ ราย ได้แก่
- |                         |                            |
|-------------------------|----------------------------|
| ๑) นางสาวกัญญา ประจักษ์ | ทะเบียนเลขที่ ๖-๑๕๕-๑-๐๑๑๑ |
| ๒) นายวิรัช บุญศิริ     | ทะเบียนเลขที่ ๖-๑๕๕-๑-๐๑๑๑ |
| ๓) นางสาวสุวิมล เสาร์   | ทะเบียนเลขที่ ๖-๑๕๕-๑-๐๑๑๑ |
| ๔) นายวิรัช บุญศิริ     | ทะเบียนเลขที่ ๖-๑๕๕-๑-๐๑๑๑ |
| ๕) นายวิรัช บุญศิริ     | ทะเบียนเลขที่ ๖-๑๕๕-๑-๐๑๑๑ |
| ๖) นางสาวสุวิมล เสาร์   | ทะเบียนเลขที่ ๖-๑๕๕-๑-๐๑๑๑ |

ทั้งนี้ เพื่อให้ทราบถึงรายละเอียดของงานที่มอบหมายให้ดำเนินการวิเคราะห์

เลขที่ ๑๖๗ ๑๖๗



กองวิจัยและพัฒนาเทคโนโลยีสารสนเทศ  
กลุ่มงานวิจัยและพัฒนาเทคโนโลยีสารสนเทศ  
โทร. ๐ ๒๕๖๐ ๒๕๖๐ ต่อ ๒๕๖๐  
โทรสาร ๐ ๒๕๖๐ ๒๕๖๐ ต่อ ๒๕๖๐  
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ดำเนินการโดย



ที่ อภ ๐๓๑๐(๑)/ ๑๖๗ ๑๖๗

กรมส่งเสริมการค้าระหว่างประเทศ  
ส่วนกลาง  
เลขที่ ๑๖๗ ๑๖๗

๑๖ กรกฎาคม ๒๕๖๒

เรื่อง เสนอขอเปิดประมูลจ้างบริษัทผู้ให้บริการวิเคราะห์

เรียน กรรมการผู้จัดการ บริษัท ยูนิค แอนด์ เอ็นจิเนียริ่ง คอนซัลแตนท์ จำกัด

อ้างถึง คำขอเปิดประมูลจ้างบริษัทผู้ให้บริการวิเคราะห์ และเปิดประมูลจ้างบริษัทผู้ให้บริการวิเคราะห์

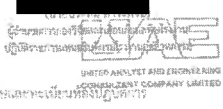
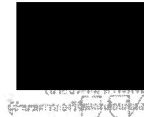
ตามหนังสือที่อ้างถึง บริษัท ยูนิค แอนด์ เอ็นจิเนียริ่ง คอนซัลแตนท์ จำกัด ขอเปิดประมูลจ้างบริษัทผู้ให้บริการวิเคราะห์ และเปิดประมูลจ้างบริษัทผู้ให้บริการวิเคราะห์

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- จำนวน ๖ ราย ได้แก่
- |                         |                            |
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| ๔) นายวิรัช บุญศิริ     | ทะเบียนเลขที่ ๖-๑๕๕-๑-๐๑๑๑ |
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ดำเนินการโดย













ขอขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกสาร กรมควบคุมมลพิษ จำนวน ๑๕๖ รายการ

น้ำเสีย จำนวน ๕๕ รายการ

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
1	Aluminum	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
2	Arsenic	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>(1)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(1)</sup> 3) Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
3	Barium	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
4	α-BHC	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
5	β-BHC	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
6	γ-BHC	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
7	γ-BHC	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
8	Biochemical Oxygen Demand	1) 5-Day BOD Test, Azide Modification Method <sup>(1)</sup> 2) 5-Day BOD Test, Membrane Electrode Method <sup>(1)</sup>
9	Cadmium	1) Digestion, Direct Air-Acetylene Flame Method <sup>(1)</sup> 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method <sup>(1)</sup> 3) Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
10	Chemical Oxygen Demand	1) Closed Reflux, Titrimetric Method <sup>(1)</sup> 2) Closed Reflux, Colorimetric Method <sup>(1)</sup> 3) Open Reflux, Titrimetric Method <sup>(1)</sup>
11	Chlorine	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
12	Chromium	1) Digestion, Direct Air-Acetylene Flame Method <sup>(1)</sup> 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method <sup>(1)</sup> 3) Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
13	Copper	ADAM Wavelength Dispersive Spectroscopic Method <sup>(1)</sup>
14	Copper	1) Digestion, Direct Air-Acetylene Flame Method <sup>(1)</sup> 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method <sup>(1)</sup> 3) Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
15	Cyanide	1) Digestion, Direct Air-Acetylene Flame Method <sup>(1)</sup> 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method <sup>(1)</sup> 3) Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>

10 mg/L

50 mg/L

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
16	o,p'-DDT	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
17	4,4'-DDD	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
18	4,4'-DDE	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
19	4,4'-DDT	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
20	Dieldrin	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
21	Endosulfan I	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
22	Endosulfan II	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
23	Endosulfan sulfate	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
24	Endrin	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
25	Endrin aldehyde	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
26	Formaldehyde	Distillation, Colorimetric Method <sup>(1)</sup>
27	Free Chlorine	1) Iodometric Method <sup>(1)</sup> 2) DPD Reagent Titrimetric Method <sup>(1)</sup>
28	Heptachlor Epoxide	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
29	Heptachlor Epoxide	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
30	Invalent Chromium	1) Colorimetric Method <sup>(1)</sup> 2) Extraction, Direct Air-Acetylene Flame Method <sup>(1)</sup> 3) Digestion, Direct Air-Acetylene Flame Method <sup>(1)</sup> 4) Digestion, Electrothermal Atomic Absorption Spectrometric Method <sup>(1)</sup> 5) Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
31	Lead	1) Digestion, Direct Air-Acetylene Flame Method <sup>(1)</sup> 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method <sup>(1)</sup> 3) Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
32	Manganese	1) Digestion, Direct Air-Acetylene Flame Method <sup>(1)</sup> 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method <sup>(1)</sup> 3) Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
33	Mercury	Digestion, Cold Vapor Atomic Absorption Spectrometric Method <sup>(1)</sup>
34	Methoxychlor	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup>
35	Methyl	1) Digestion, Direct Air-Acetylene Flame Method <sup>(1)</sup> 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method <sup>(1)</sup> 3) Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>

10 mg/L

50 mg/L

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
36	Oil & Grease	1) Liquid-Liquid Partition Gravimetric Method <sup>(1)</sup> 2) Soxhlet Extraction Method <sup>(1)</sup>
37	pH	Electronic Method <sup>(1)</sup>
38	Phenols	1) Distillation, Chloroform Extraction Method <sup>(1)</sup> 2) Distillation, Direct Photometric Method <sup>(1)</sup>
39	Selenium	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>(1)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
40	Sulfide	1) Iodometric Method <sup>(1)</sup> 2) Methylene Blue Method <sup>(1)</sup>
41	Temperature	Laboratory and Field Methods <sup>(1)</sup>
42	Total Dissolved Solids	Dried at 180 °C <sup>(1)</sup>
43	Total Kjeldahl Nitrogen	Semi-Micro Kjeldahl Method <sup>(1)</sup>
44	Total Suspended Solids	Dried at 103-105 °C <sup>(1)</sup>
45	Trivalent Chromium	1) Digestion, Direct Air-Acetylene Flame Method, Colorimetric Method, Calculation <sup>(1)</sup> 2) Digestion, Inductively Coupled Plasma Method, Colorimetric Method, Calculation <sup>(1)</sup>
46	Zinc	1) Digestion, Direct Air-Acetylene Flame Method <sup>(1)</sup> 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method <sup>(1)</sup> 3) Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>

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ลำดับ	สารมลพิษ	วิธีวิเคราะห์
1	Azerephthone	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup>
2	Acetone	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup>
3	Aldrin	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup>

10 mg/L

50 mg/L

ลำดับ	สารมลพิษ	วิธีวิเคราะห์
4	Anthracene	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup>
5	Antimony	Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
6	Arsenic	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>(1)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
7	Atrazine	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup>
8	Barium	1) Digestion, Electrothermal Atomic Absorption Spectrometric Method <sup>(1)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
9	Benz(a)anthracene	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup>
10	Benzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup>
11	Benz(b)fluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup>
12	Benz(c)fluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup>
13	Benzic acid	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup>
14	Benz(b)pyrene	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup>

10 mg/L

50 mg/L

ลำดับ	สารเคมี	วิธีการตรวจ
12	Benz[a]anthracene	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>2)</sup>
14	Benzylbenz	Digestion, Inductively Coupled Plasma Method <sup>1)</sup>
17	Di(2-chloroethyl)ether	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
18	Di(2-ethylhexyl)phosphate	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
19	Dibenzodioxane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
20	Dibenzodioxin	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
21	Dibenzodioxole	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
22	Dibenzodioxole	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
23	Dibenzodioxole	1) Digestion, Direct Air Acetylene Flame Method <sup>1)</sup> 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method <sup>1)</sup>
24	Dibenzodioxole	1) Digestion, Inductively Coupled Plasma Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
25	Dibenzodioxole	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
26	Dibenzodioxole	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
27	Dibenzodioxole	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
28	Dibenzodioxole	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
29	Dibenzodioxole	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>

30 Chlorodibromomethane

ลำดับ	สารเคมี	วิธีการตรวจ
30	Chlorodibromomethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
31	Chloroform	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
32	2-Chlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
33	Chromium	1) Digestion, Direct Air Acetylene Flame Method <sup>1)</sup> 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method <sup>1)</sup> 3) Digestion, Inductively Coupled Plasma Method <sup>1)</sup>
34	Chromium (II)	1) Digestion, Direct Air Acetylene Flame Method <sup>1)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>1)</sup> 3) Colorimetric Method, Oxidation <sup>1)</sup>
35	Chromium (IV)	1) Colorimetric Method <sup>1)</sup> 2) Digestion, Air Acetylene Flame Method <sup>1)</sup>
36	Chrysene	1) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup> 3) Gel Permeation, Colorimetric Method <sup>1)</sup>
37	Cyanide	Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup>
38	2,4-D	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
39	DDT	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
40	DDT	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
41	DDT	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>

42 Dibenzodioxane

ลำดับ	สารเคมี	วิธีการตรวจ
43	Dibenzodioxane	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
44	Dibenzodioxane	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
45	1,2-Dichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
46	1,3-Dichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
47	1,4-Dichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
48	1,4-Dichlorobenzene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
49	1,1-Dichloroethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
50	1,2-Dichloroethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
51	1,1-Dichloroethylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
52	1,2-Dichloroethylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
53	1,3-Dichloroethylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
54	1,4-Dichloroethylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
55	1,2-Dichloropropane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
56	1,3-Dichloropropane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
57	1,4-Dichloropropane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>

58 Diethyl phthalate

ลำดับ	สารเคมี	วิธีการตรวจ
58	Diethyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
59	2,6-Dimethylphenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
60	2,4-Dinitrophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
61	2,4-Dinitrotoluene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
62	2,6-Dinitrotoluene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
63	Din-Octyl phthalate	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
64	Endosulfan	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
65	Enthalin	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup>
66	Ethylbenzene	1) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
67	Fluoranthene	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
68	Fluorene	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
69	Haphthol	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>

70 Heptachlor epoxide



ลำดับ	สารเคมี	วิธีวิเคราะห์
70	Heptachlor epoxide	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>2)</sup>
71	Heptachlorobenzene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
72	Heptachlor-1,2-epoxide	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
73	Hexachlor	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
74	α-CHL	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>2)</sup>
75	β-CHL	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>2)</sup>
76	γ-CHL	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>2)</sup>
77	Hexachlorocyclopentadiene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
78	Hexachlorocyclohexene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
79	Indol(1,2,3-d)pyrene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
80	Isophthalene	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
81	Lead	1) Digestion, Direct Air-Acetylene Flame Method <sup>1)</sup> 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method <sup>2)</sup> 3) Digestion, Inductively Coupled Plasma Method <sup>3)</sup>

82 Manganese...

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

96 Polychlorinated Biphenyls...

ลำดับ	สารเคมี	วิธีวิเคราะห์
96	Polychlorinated Biphenyls - PCB-1016 - PCB-1021 - PCB-1026 - PCB-1242 - PCB-1246 - PCB-1254 - PCB-1260	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>2)</sup>
97	Pentachlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
98	pH	Electrode Method <sup>1)</sup>
99	Fluorethylene	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>2)</sup>
100	Phenol	1) Distillation, Chloroform Extraction Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>2)</sup>
101	Pyrene	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>2)</sup>
102	Selenium	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>1)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>2)</sup>
103	Silver	Digestion, Inductively Coupled Plasma Method <sup>1)</sup>
104	Styrene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
105	1,1,2,2-Tetrachloroethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
106	Tetrachloroethylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
107	Toluene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>

108 Toluene...

ลำดับ	สารเคมี	วิธีวิเคราะห์
108	Toxaphene	1) Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup> 2) Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>2)</sup>
109	TPH (C <sub>7</sub> - C <sub>9</sub> )	1) Purge and Trap, Gas Chromatographic Method <sup>1)</sup> 2) Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>2)</sup>
110	TPH (C <sub>10</sub> - C <sub>14</sub> )	Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup>
111	TPH (C <sub>15</sub> - C <sub>18</sub> )	Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>1)</sup>
112	1,2,4-Trichlorobenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
113	1,1,1-Trichloroethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
114	1,1,2-Trichloroethane	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
115	Trichloroethylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
116	2,4,5-Trichlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
117	2,4,6-Trichlorophenol	Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
118	1,3,5-Trimethylbenzene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
119	Vanadium	Digestion, Inductively Coupled Plasma Method <sup>1)</sup>
120	Vinyl acetate	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
121	Vinyl chloride	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
122	m-Xylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>
123	p-Xylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>1)</sup>

124 p-Xylene...

ลำดับ	สารเคมี	วิธีการวิเคราะห์
120	p-xylene	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
121	xylene (Total)	Purge and Trap Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
122	zinc	1) Digestion, Direct Air-Acetylene Flame Method <sup>(1)</sup> 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method <sup>(2)</sup> 3) Digestion, Inductively Coupled Plasma Method <sup>(3)</sup>

รายการอ้างอิง: มอก. ๒๖-๒๕๖๑, จำนวน ๒๖ รายการ

ลำดับ	สารเคมี	วิธีการวิเคราะห์
1	Antimony	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
2	Arsenic	1) Isokinetic Sampling, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>(1)</sup> 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method <sup>(2)</sup>
3	Barium	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method <sup>(1)</sup> 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method <sup>(2)</sup>
4	Bellane Monoxide	Instrumental Analysis Method <sup>(1)</sup>
5	Bismuth	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method <sup>(1)</sup> 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method <sup>(2)</sup>
6	Chromium	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
7	Copper	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
8	Cadmium	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method <sup>(1)</sup> 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method <sup>(2)</sup>
9	Cobalt	1) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>

10 Dioxins/Furans...

ลำดับ	สารเคมี	วิธีการวิเคราะห์
10	Dioxins/Furans	Isokinetic Sampling <sup>(1)</sup>
11	Hydrogen Chloride	Isokinetic Sampling, Ion Chromatographic Method <sup>(1)</sup>
12	Hydrogen Fluoride	Isokinetic Sampling, Ion Chromatographic Method <sup>(1)</sup>
13	Hydrogen Sulfide	Absorption Sampling, Iodometric Method <sup>(1)</sup>
14	Lead	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method <sup>(1)</sup> 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method <sup>(2)</sup>
15	Manganese	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method <sup>(1)</sup> 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method <sup>(2)</sup>
16	Mercury	Isokinetic Sampling, Digestion, Cold-Vapor Atomic Absorption Spectrometric Method <sup>(1)</sup>
17	Nickel	1) Isokinetic Sampling, Digestion, Direct Air-Acetylene Flame Method <sup>(1)</sup> 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method <sup>(2)</sup>
18	Opacity	Ringelmann's Method <sup>(1)</sup>
19	Oxides of Nitrogen	1) Absorption Sampling, Phenolsulfonic Acid Method <sup>(1)</sup> 2) Instrumental Analysis Method <sup>(2)</sup>
20	Selenium	1) Isokinetic Sampling, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>(1)</sup> 2) Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method <sup>(2)</sup>
21	Sulfur Dioxide	1) Absorption Sampling, Barium-Tin Tinimetric Method <sup>(1)</sup> 2) Instrumental Analysis Method <sup>(2)</sup>
22	Sulfuric Acid	Isokinetic Sampling, Barium-Tin Tinimetric Method <sup>(1)</sup>
23	Total Suspended Particulate	Isokinetic Sampling, Gravimetric Method <sup>(1)</sup>
24	Vanadium	Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method <sup>(1)</sup>
25	Xylene	1) Isokinetic Sampling, Gas Chromatographic/Mass Spectrometric Method <sup>(1)</sup> 2) Absorption Sampling, Gas Chromatographic/Mass Spectrometric Method <sup>(2)</sup>

10 Dioxins/Furans...

รายการอ้างอิง: มอก. ๒๖-๒๕๖๑, จำนวน ๒๖ รายการ

ลำดับ	สารเคมี	วิธีการวิเคราะห์
1	Acid	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>(3)(4)</sup>
2	Antimony	1) Digestion, Inductively Coupled Plasma Method <sup>(1)(2)</sup>
3	Arsenic	1) Waste Extraction, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>(1)(2)</sup> 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(3)(4)</sup> 3) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>(5)(6)</sup> 4) Digestion, Inductively Coupled Plasma Method <sup>(7)(8)</sup>
4	Barium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1)(2)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(3)(4)</sup>
5	Bismuth	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(1)(2)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(3)(4)</sup>
6	Chromium	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method <sup>(1)(2)</sup> 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(3)(4)</sup> 3) Digestion, Flame Atomic Absorption Spectrometric Method <sup>(5)(6)</sup>
7	Chlorides	4) Digestion, Inductively Coupled Plasma Method <sup>(7)(8)</sup> 1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>(9)(10)</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>(11)(12)</sup>
8	Cadmium	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method <sup>(1)(2)</sup> 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>(3)(4)</sup> 3) Digestion, Flame Atomic Absorption Spectrometric Method <sup>(5)(6)</sup>

3) Digestion...

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

15 DDO...

ลำดับ	สารประกอบ	วิธีการวิเคราะห์
		3) Digestion, Cold-vapor Atomic Absorption Spectrometric Method <sup>[13]</sup> 4) Digestion, Inductively Coupled Plasma Method <sup>[14]</sup> 5) Thermal Decomposition Amalgamation and Atomic Absorption Spectrometric Method <sup>[15]</sup>
13	Methoxychlor	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>[2,22]</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>[24]</sup>
14	Molybdenum	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>[24,25]</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>[24]</sup>
15	Nickel	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method <sup>[24,26]</sup> 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>[24,27]</sup> 3) Digestion, Flame Atomic Absorption Spectrometric Method <sup>[28]</sup> 4) Digestion, Inductively Coupled Plasma Method <sup>[29]</sup>
26	Fully chlorinated Biphenyl - Aroclor 1016 - Aroclor 1021 - Aroclor 1232 - Aroclor 1242 - Aroclor 1248 - Aroclor 1254 - Aroclor 1260 - 2-Chlorobiphenyl - 2,3-Dichlorobiphenyl - 2,4,5-Trichlorobiphenyl - 2,4,6-Trichlorobiphenyl - 2,3,4,5-Tetrachlorobiphenyl - 2,3,5,5'-Tetrachlorobiphenyl - 2,3,4,4'-Tetrachlorobiphenyl - 2,3,4,5-Tetrachlorobiphenyl	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>[2,22]</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>[2,23]</sup>

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ลำดับ	สารพิษ	วิธีการตรวจ
30	Silver	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>[2,13]</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>[7,12]</sup>
31	Thallium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>[2,13]</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>[7,12]</sup>
32	Toxaphene	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic Method <sup>[2,12]</sup> 2) Ultrasonic Extraction, Gas Chromatographic Method <sup>[7,12]</sup>
33	Trichloroethylene	1) Waste Extraction, Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>[8,12,13]</sup> 2) Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>[7,13]</sup>
34	Vanadium	1) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>[2,13]</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>[7,12]</sup>
35	Zinc	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method <sup>[2,13]</sup> 2) Waste Extraction, Digestion, Inductively Coupled Plasma Method <sup>[8,13]</sup> 3) Digestion, Flame Atomic Absorption Spectrometric Method <sup>[7,13]</sup> 4) Digestion, Inductively Coupled Plasma Method <sup>[7,12]</sup>

ลำดับ	สารมลพิษ	วิธีการตรวจ
1	Acetaminophen	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>10-13</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>10-14</sup>
2	Acetone	1) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>10-15</sup>

ลำดับ	สารเคมี	วิธีวิเคราะห์
3	Azide	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(14)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(15)(16)</sup>
4	Anthracene	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(14)(17)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(18)</sup>
5	Antimony	Digestion, Inductively Coupled Plasma Method <sup>(19)</sup>
6	Asenic	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>(20)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(21)</sup>
7	Atmosol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(22)(23)</sup>
8	Barium	Digestion, Inductively Coupled Plasma Method <sup>(24)</sup>
9	Benzaldehyde	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(25)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(26)</sup>
10	Benzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(27)</sup>
11	Benzodifuran	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(28)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(29)</sup>
12	Benzodioxane	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(30)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(31)</sup>
13	Benzonitrile	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(32)</sup>
14	Benzotoluene	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(33)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(34)</sup>

15 Benzodiphenylene.

ลำดับ	สารเคมี	วิธีวิเคราะห์
15	Benzodiphenylene	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(35)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(36)</sup>
16	Beryllium	Digestion, Inductively Coupled Plasma Method <sup>(37)</sup>
17	Bis(2-chloroethyl)ether	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(38)</sup>
18	Bi(2-methylhexyl)phosphate	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(39)</sup>
19	Bromodichloromethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(40)</sup>
20	Bromotoluene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(41)</sup>
21	Bromosol	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(42)</sup>
22	Bis(1-benzoyl)thiane	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(43)</sup>
23	Cadmium	1) Digestion, Flame Atomic Absorption Spectrometric Method <sup>(44)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(45)</sup>
24	Calcium	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(46)</sup>
25	Carbon disulfide	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(47)</sup>
26	Carbon tetrachloride	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(48)</sup>
27	Chlorobenzene	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(49)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(50)</sup>
28	p-Chloronitrobenzene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(51)</sup>
29	Chlorobenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(52)</sup>
30	Chlorodichloromethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(53)</sup>

31 Chlorotoluene.

ลำดับ	สารเคมี	วิธีวิเคราะห์
31	Chloroform	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(54)</sup>
32	2-Chlorophenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(55)</sup>
33	Chloronium	1) Digestion, Flame Atomic Absorption Spectrometric Method <sup>(56)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(57)</sup>
34	Chromium (II)	1) Digestion, Flame Atomic Absorption Spectrometric Method, Alkaline Digestion, Colorimetric Method, Calculator <sup>(58)(59)</sup> 2) Digestion, Inductively Coupled Plasma Method, Alkaline Digestion, Colorimetric Method, Calculator <sup>(60)(61)</sup>
35	Chromium (VI)	Alkaline Digestion, Colorimetric Method <sup>(62)</sup>
36	Chrysene	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(63)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(64)</sup>
37	Cyanide	Extraction, Distillation, Colorimetric Method <sup>(65)(66)</sup>
38	2,4-D	Ultrasonic Extraction, Gas Chromatographic Method <sup>(67)</sup>
39	DDT	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(68)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(69)</sup>
40	DDT	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(70)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(71)</sup>
41	DDT	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(72)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(73)</sup>
42	Dibenzodihydroanthracene	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(74)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(75)</sup>

43 Di-n-butyl phthalate.

ลำดับ	สารเคมี	วิธีวิเคราะห์
43	Di-n-butyl phthalate	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(76)</sup>
44	1,2-Dichlorobenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(77)</sup>
45	1,3-Dichlorobenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(78)</sup>
46	1,4-Dichlorobenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(79)</sup>
47	3,3'-Dichlorobenzidine	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(80)</sup>
48	1,1-Dichloroethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(81)</sup>
49	1,2-Dichloroethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(82)</sup>
50	1,1-Dichloroethylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(83)</sup>
51	Cis-1,2-Dichloroethylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(84)</sup>
52	trans-1,2-Dichloroethylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(85)</sup>
53	2,4-Dichlorophenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(86)</sup>
54	1,2-Dichloropropane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(87)</sup>
55	1,3-Dichloropropane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(88)</sup>
56	1,4-Dichloropropane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(89)</sup>
57	Dieldrin	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(90)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(91)</sup>
58	Diethyl phthalate	Ultrasonic Extraction, Gas Chromatographic Method <sup>(92)</sup>
59	2,6-Dimethylphenol	Ultrasonic Extraction, Gas Chromatographic Method <sup>(93)</sup>

60 2,6-Dinitrophenol.

ลำดับ	สารเคมี	วิธีวิเคราะห์
60	2,4-Dichlorophenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
61	2,4-Dichlorobenzene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
62	2,6-Dichlorobenzene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
63	Dimethyl phthalate	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
64	Dinitrobenzene	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
65	Dinitrochlorobenzene	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
66	Dinitrofluorobenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
67	Diphenyl ether	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
68	Diphenyls	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
69	Diphenyl ether	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
70	Heptachlor epoxide	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>

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71 Hexachlorobenzene

ลำดับ	สารเคมี	วิธีวิเคราะห์
71	Hexachlorobenzene	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
72	Hexachloro-1,3-butadiene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
73	Hexachlorocyclopentadiene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
74	Hexachlorocyclopentadiene	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
75	Hexachlorocyclopentadiene	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
76	Hexachlorocyclopentadiene	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
77	Hexachlorocyclopentadiene	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
78	Hexachlorocyclopentadiene	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
79	Hexachlorocyclopentadiene	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
80	Hexachlorocyclopentadiene	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
81	Hexachlorocyclopentadiene	1) Digestion, Flame Atomic Absorption Spectrometric Method <sup>(1)(2)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(1)(2)</sup>
82	Hexachlorocyclopentadiene	1) Digestion, Inductively Coupled Plasma Method <sup>(1)(2)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(1)(2)</sup>

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83 Hexachlorocyclopentadiene

ลำดับ	สารเคมี	วิธีวิเคราะห์
83	Mercaptan	1) Digestion, Cold-Vapor Atomic Absorption Spectrometric Method <sup>(1)(2)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(1)(2)</sup> 3) Thermal Decomposition Atomic Absorption and Atomic Absorption Spectrometric Method <sup>(1)(2)</sup>
84	Methanol	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
85	Methyl isocyanide	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
86	Methyl bromide	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
87	Methylene chloride	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
88	2-Methylphenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
89	2-Methylanthracene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
90	Methyl isobutyl ether	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
91	Naphthalene	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
92	Nickel	1) Digestion, Flame Atomic Absorption Spectrometric Method <sup>(1)(2)</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>(1)(2)</sup>
93	Nitrobenzene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
94	N-Nitrosodiphenylamine	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
95	N-Nitrosodipropylamine	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>

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96 Polychlorinated Biphenyls

ลำดับ	สารเคมี	วิธีวิเคราะห์
96	Polychlorinated Biphenyls	1) Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup> 2) Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>(1)(2)</sup>
	- Aroclor 1016	
	- Aroclor 1221	
	- Aroclor 1222	
	- Aroclor 1242	
	- Aroclor 1248	
	- Aroclor 1254	
	- Aroclor 1260	
	Polychlorinated Biphenyls	Ultrasonic Extraction, Gas Chromatographic Method <sup>(1)(2)</sup>
	- 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',3,4,5,5'-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',3,3',4,4',5,6-Heptachlorobiphenyl	

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2,2',3,3',4,5,5,6-



ลำดับ	สารเคมี	วิธีการตรวจ
47	2,3,5,4',5,6-Hexachlorobiphenyls	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>122</sup>
48	2,2,3,3',4,4',5,5',6-Nonachlorobiphenyls	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>122</sup>
49	Pentachlorophenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>122</sup>
50	Trinitrophenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>122</sup>
51	Phenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>122</sup>
52	Pyrene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>122</sup>
53	Seventam	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>122</sup>
54	SVOCs	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>122</sup>
55	Styrene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>122</sup>
56	2,3,4,5-Tetrachlorobiphenyls	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>122</sup>
57	Tetrachlorobiphenyls	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>122</sup>
58	Toluene	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>122</sup>
59	Triphenylamine	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>122</sup>
60	Triphenylamine	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>122</sup>
61	Triphenylamine	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>122</sup>

ลำดับ	สารเคมี	วิธีการตรวจ
112	1,1,1-Trichloroethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>123</sup>
113	1,1,2-Trichloroethane	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>123</sup>
114	Trichloroethylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>123</sup>
115	2,4,5-Trichlorophenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>123</sup>
116	2,4,6-Trichlorophenol	Ultrasonic Extraction, Gas Chromatographic/Mass Spectrometric Method <sup>123</sup>
117	1,2,3-Trimethylbenzene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>123</sup>
118	Vanillin	Digestion, Inductively Coupled Plasma Method <sup>124</sup>
119	Vinyl acetate	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>123</sup>
120	Vinyl chloride	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>123</sup>
121	n-Xylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>123</sup>
122	o-Xylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>123</sup>
123	p-Xylene	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>123</sup>
124	Styrene (Vinylbenzene)	Purge and Trap, Gas Chromatographic/Mass Spectrometric Method <sup>123</sup>
125	Triphenylamine	1) Digestion, Flame Atomic Absorption Spectrometric Method <sup>125</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>125</sup>

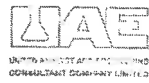
#### เอกสารอ้างอิง

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