

ภาคผนวก จ

สำเนาหนังสือรับรองห้องปฏิบัติการวิเคราะห์เอกชน

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
38	Sulfide	Iodometric Method ^[3]
39	Temperature	Laboratory and Field Methods ^[3]
40	Total Dissolved Solids	Dried at 180 °C ^[3]
41	Total Kjeldahl Nitrogen	Macro-Kjeldahl Method ^[3]
42	Total Suspended Solids	Dried from 103 to 105 °C ^[3]
43	Trivalent Chromium	Calculation ^[3]
44	Zinc	Digestion, Flame Atomic Absorption Spectrometric Method ^[3]

น้ำใต้ดิน จำนวน 31 รายการ

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
1	Aldrin	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
2	Antimony	Digestion, Flame Atomic Absorption Spectrometric Method ^[3]
3	Arsenic	Digestion, Hydride Generation Atomic Absorption Spectrometric Method ^[3]
4	Barium	Digestion, Flame Atomic Absorption Spectrometric Method ^[3]
5	Beryllium	Digestion, Flame Atomic Absorption Spectrometric Method ^[3]
6	Cadmium	1) Digestion, Flame Atomic Absorption Spectrometric Method ^[3] 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3]
7	Chromium	Digestion, Flame Atomic Absorption Spectrometric Method ^[3]
8	Chromium (III)	Calculation ^[3]
9	Chromium (VI)	Colorimetric Method ^[3]
10	Cyanide	Total Cyanide after Distillation, Colorimetric Method ^[3]
11	DDD	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
12	DDE	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
13	DDT	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]

14 Dieldrin...

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
14	Dieldrin	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
15	Endrin	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
16	α-HCH	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
17	β-HCH	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
18	γ-HCH	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
19	Heptachlor	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
20	Heptachlor epoxide	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
21	Lead	1) Digestion, Flame Atomic Absorption Spectrometric Method ^[3] 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3]
22	Manganese	Digestion, Flame Atomic Absorption Spectrometric Method ^[3]
23	Mercury	Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^[3]
24	Methoxychlor	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
25	Nickel	Digestion, Flame Atomic Absorption Spectrometric Method ^[3]
26	pH	Electrometric Method ^[3]
27	Phenol	Distillation, Direct Photometric Method ^[3]
28	Selenium	Digestion, Hydride Generation Atomic Absorption Spectrometric Method ^[3]
29	Silver	Digestion, Flame Atomic Absorption Spectrometric Method ^[3]
30	Vanadium	Digestion, Flame Atomic Absorption Spectrometric Method ^[3]
31	Zinc	Digestion, Flame Atomic Absorption Spectrometric Method ^[3]

สิ่งปนเปื้อน...

สิ่งปนเปื้อนหรือวัตถุที่ไม่ใช่ตัว จำนวน 25 รายการ

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
1	Aldrin	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[2,7,13] 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^[8,13]
2	Antimony	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^[2,4,9] 2) Digestion, Flame Atomic Absorption Spectrometric Method ^[5,9]
3	Arsenic	1) Waste Extraction, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^[2,4,10] 2) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^[5,10]
4	Barium	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^[2,4,9] 2) Digestion, Flame Atomic Absorption Spectrometric Method ^[5,9]
5	Beryllium	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^[2,4,9] 2) Digestion, Flame Atomic Absorption Spectrometric Method ^[5,9]
6	Cadmium	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^[2,4,9] 2) Digestion, Flame Atomic Absorption Spectrometric Method ^[5,9]
7	Chromium	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^[2,4,9] 2) Digestion, Flame Atomic Absorption Spectrometric Method ^[5,9]
8	Chromium (VI)	1) Waste Extraction, Colorimetric Method ^[2,11] 2) Alkaline Digestion, Colorimetric Method ^[6,11]
9	Copper	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^[2,4,9] 2) Digestion, Flame Atomic Absorption Spectrometric Method ^[5,9]

10 DDD...

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
10	DDD	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[2,7,13] 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^[8,13]
11	DDE	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[2,7,13] 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^[8,13]
12	DDT	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[2,7,13] 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^[8,13]
13	Dieldrin	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[2,7,13] 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^[8,13]
14	Endrin	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[2,7,13] 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^[8,13]
15	Heptachlor	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[2,7,13] 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^[8,13]
16	Lead	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^[2,4,9] 2) Digestion, Flame Atomic Absorption Spectrometric Method ^[5,9]
17	Lindane	1) Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[2,7,13]

2) Soxhlet...

ลำดับที่	สารเคมี	วิธีวิเคราะห์
18	Mercury	2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(8,13) 1) Waste Extraction, Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^(2,12) 2) Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ⁽¹³⁾
19	Methoxychlor	Waste Extraction, Separatory Funnel Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(2,7,13)
20	Nickel	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(2,4,9) 2) Digestion, Flame Atomic Absorption Spectrometric Method ^(5,9)
21	pH	Electrometric Method ^(19,20)
22	Selenium	1) Waste Extraction, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(2,4,14) 2) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(5,14)
23	Silver	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(2,4,9) 2) Digestion, Flame Atomic Absorption Spectrometric Method ^(5,9)
24	Vanadium	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(2,4,9) 2) Digestion, Flame Atomic Absorption Spectrometric Method ^(5,9)
25	Zinc	1) Waste Extraction, Digestion, Flame Atomic Absorption Spectrometric Method ^(2,4,9) 2) Digestion, Flame Atomic Absorption Spectrometric Method ^(5,9)

สิ้น จำนวน 29 รายการ

ลำดับที่	สารเคมี	วิธีวิเคราะห์
1	Aldrin	Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(8,13)
2	Antimony	Digestion, Flame Atomic Absorption Spectrometric Method ^(5,9)

3 Arsenic...

ลำดับที่	สารเคมี	วิธีวิเคราะห์
3	Arsenic	Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(5,10)
4	Barium	Digestion, Flame Atomic Absorption Spectrometric Method ^(5,9)
5	Beryllium	Digestion, Flame Atomic Absorption Spectrometric Method ^(5,9)
6	Cadmium	Digestion, Flame Atomic Absorption Spectrometric Method ^(5,9)
7	Chromium	Digestion, Flame Atomic Absorption Spectrometric Method ^(5,9)
8	Chromium (III)	Calculation ^(5,4,9,11)
9	Chromium (VI)	Alkaline Digestion, Colorimetric Method ^(4,11)
10	Cyanide	Extraction, Distillation, Colorimetric Method ^(14,17,18)
11	DDD	Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(8,15)
12	DDE	Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(8,15)
13	DDT	Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(8,15)
14	Dieldrin	Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(8,15)
15	Endrin	Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(8,15)
16	α-HCH	Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(8,15)
17	β-HCH	Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(8,15)
18	γ-HCH	Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(8,15)
19	Heptachlor	Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(8,15)
20	Heptachlor epoxide	Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(8,15)
21	Lead	Digestion, Flame Atomic Absorption Spectrometric Method ^(5,9)
22	Manganese	Digestion, Flame Atomic Absorption Spectrometric Method ^(5,9)

23 Mercury...

ลำดับที่	สารเคมี	วิธีวิเคราะห์
23	Mercury	Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ⁽¹³⁾
24	Methoxychlor	Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(8,15)
25	Nickel	Digestion, Flame Atomic Absorption Spectrometric Method ^(5,9)
26	Selenium	Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(5,14)
27	Silver	Digestion, Flame Atomic Absorption Spectrometric Method ^(5,9)
28	Vanadium	Digestion, Flame Atomic Absorption Spectrometric Method ^(5,9)
29	Zinc	Digestion, Flame Atomic Absorption Spectrometric Method ^(5,9)

เอกสารอ้างอิง

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