

สำเนาหนังสือรับรองห้องปฏิบัติการวิเคราะห์เอกชน

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
17	4,4'-DDT	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
18	Dieldrin	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
19	Endosulfan I	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
20	Endosulfan II	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
21	Endosulfan Sulfate	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
22	Endrin	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
23	Endrin Aldehyde	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
24	Formaldehyde	Distillation, Colorimetric Method ^[2]
25	Free Chlorine	DPD Colorimetric Method ^[3]
26	Hexavalent Chromium	Filtration, Colorimetric Method ^[3]
27	Heptachlor	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
28	Heptachlor Epoxide	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
29	Lead	1) Digestion, Direct Air-Acetylene Flame Method 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3]
30	Manganese	Digestion, Direct Air-Acetylene Flame Method ^[3]
31	Mercury	Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^[3]
32	Methoxychlor	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
33	Nickel	Digestion, Direct Air-Acetylene Flame Method ^[3]
34	Oil & Grease	Soxhlet Extraction Method ^[3]
35	pH	Electrometric Method ^[3]

36 Phenol...

เอกสารแนบท้ายหนังสือรับรองคุณภาพขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน
บริษัท ศูนย์วิเคราะห์น้ำ จำกัด
ที่ อก ๐๓๑๐(๑)ด ๒ ๗ ๑ ๔
เลขทะเบียน ๖-๑๙๐
ลงวันที่ ๘ กันยายน ๒๕๖๕

ขอเข้าสารมลพิษที่ได้รับขึ้นทะเบียนจากกรมโรงงานอุตสาหกรรม จำนวน ๑๒๙ รายการ
น้ำเสีย จำนวน 44 รายการ

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
1	Aldrin	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
2	Arsenic	Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^[3]
3	Barium	Digestion, Direct Nitrous Oxide Acetylene Flame Method ^[3]
4	α-BHC	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
5	β-BHC	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
6	γ-BHC	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
7	δ-BHC	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
8	Biochemical Oxygen Demand	1) 5-Day BOD Test, Azide Modification Method ^[3] 2) 5-Day BOD Test, Membrane Electrode Method ^[3]
9	Cadmium	1) Digestion, Direct Air-Acetylene Flame Method ^[3] 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3]
10	Chemical Oxygen Demand	Closed Reflux, Titrimetric Method ^[3]
11	Chromium	Digestion, Direct Air-Acetylene Flame Method ^[3]
12	Color	ADMI Weighted-Ordinate Spectrophotometric Method ^[3]
13	Copper	Digestion, Direct Air-Acetylene Flame Method ^[3]
14	Cyanide	Distillation, Colorimetric Method ^[3]
15	4,4'-DDD	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
16	4,4'-DDE	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]

17 4,4'-DDT ...

ลำดับที่	สารเคมี	วิธีวิเคราะห์
12	DDE	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
13	DDT	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
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, Direct Air-Acetylene Flame Method ^[3] 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3]
22	Manganese	Digestion, Direct Air-Acetylene Flame 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, Direct Air-Acetylene Flame Method ^[3]
26	pH	Electrometric Method ^[3]
27	Phenols	Distillation, Direct Photometric Method ^[3]
28	Selenium	Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^[3]
29	Silver	Digestion, Direct Air-Acetylene Flame Method ^[3]

30 Vanadium...

ลำดับที่	สารเคมี	วิธีวิเคราะห์
36	Phenol	Distillation, Direct Photometric Method ^[3]
37	Selenium	Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^[3]
38	Sulfide	Precipitation, 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, Titrimetric Method ^[3]
42	Total Suspended Solids	Dried at 103-105 °C ^[3]
43	Trivalent Chromium	Digestion, Direct Air-Acetylene Flame Method; Filtration, Colorimetric Method; Calculation ^[3]
44	Zinc	Digestion, Direct Air-Acetylene Flame Method ^[3]

น้ำดื่ม จำนวน 31 รายการ

ลำดับที่	สารเคมี	วิธีวิเคราะห์
1	Aldrin	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]
2	Antimony	Digestion, Direct Air-Acetylene Flame Method ^[3]
3	Arsenic	Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^[3]
4	Barium	Digestion, Direct Nitrous Oxide-Acetylene Flame Method ^[3]
5	Beryllium	Digestion, Direct Nitrous Oxide-Acetylene Flame Method ^[3]
6	Cadmium	1) Digestion, Direct Air-Acetylene Flame Method ^[3] 2) Digestion, Electrothermal Atomic Absorption Spectrometric Method ^[3]
7	Chromium	Digestion, Direct Air-Acetylene Flame Method ^[3]
8	Chromium (III)	Digestion, Direct Air-Acetylene Flame Method; Filtration, Colorimetric Method; Calculation ^[3]
9	Chromium (VI)	Filtration, Colorimetric Method ^[3]
10	Cyanide	Distillation, Colorimetric Method ^[3]
11	DDD	Liquid-Liquid Extraction, Gas Chromatographic/ Mass Spectrometric Method ^[3]

12 DDE...

ลำดับที่	สารเคมี	วิธีวิเคราะห์
9	Copper	1) Waste Extraction, Digestion, Direct Air-Acetylene Flame Method ^(1,8) 2) Digestion, Direct Air-Acetylene Flame Method ^(4,8)
10	DDD	1) Waste Extraction, Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,5,14) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(6,14)
11	DDE	1) Waste Extraction, Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,5,14) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(6,14)
12	DDT	1) Waste Extraction, Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,5,14) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(6,14)
13	Dieldrin	1) Waste Extraction, Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,5,14) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(6,14)
14	Endrin	1) Waste Extraction, Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,5,14) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(6,14)
15	Heptachlor	1) Waste Extraction, Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,5,14) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(6,14)
16	Lead	1) Waste Extraction, Digestion, Direct Air-Acetylene Flame Method ^(1,8) 2) Digestion, Direct Air-Acetylene Flame Method ^(4,8)

17 Lindane...

ลำดับที่	สารเคมี	วิธีวิเคราะห์
30	Vanadium	Digestion, Direct Nitrous Oxide-Acetylene Flame Method ⁽³⁾
31	Zinc	Digestion, Direct Air-Acetylene Flame Method ⁽³⁾

สิ่งปฏิกูลหรือวัสดุที่ไม่ใช้แล้ว จำนวน 25 รายการ

ลำดับที่	สารเคมี	วิธีวิเคราะห์
1	Aldrin	1) Waste Extraction, Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1,4,14) 2) Soxhlet Extraction, Gas Chromatographic/Mass Spectrometric Method ^(6,14)
2	Antimony	1) Waste Extraction, Digestion, Direct Air-Acetylene Flame Method ^(1,8) 2) Digestion, Direct Air-Acetylene Flame Method ^(4,8)
3	Arsenic	1) Waste Extraction, Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(1,9) 2) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(4,9)
4	Barium	1) Waste Extraction, Digestion, Direct Nitrous Oxide-Acetylene Flame Method ^(1,8) 2) Digestion, Direct Nitrous Oxide-Acetylene Flame Method ^(4,8)
5	Beryllium	1) Waste Extraction, Digestion, Direct Nitrous Oxide-Acetylene Flame Method ^(1,8) 2) Digestion, Direct Nitrous Oxide-Acetylene Flame Method ^(4,8)
6	Cadmium	1) Waste Extraction, Digestion, Direct Air-Acetylene Flame Method ^(1,8) 2) Digestion, Direct Air-Acetylene Flame Method ^(4,8)
7	Chromium	1) Waste Extraction, Digestion, Direct Air-Acetylene Flame Method ^(1,8) 2) Digestion, Direct Air-Acetylene Flame Method ^(4,8)
8	Chromium (VI)	1) Waste Extraction, Colorimetric Method ^(1,10) 2) Digestion, Colorimetric Method ^(1,10)

9 Copper...

ดิน จำนวน 29 รายการ

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
1	Aldrin	Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(6.14)
2	Antimony	Digestion, Direct Air-Acetylene Flame Method ^(4.8)
3	Arsenic	Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(4.9)
4	Barium	Digestion, Direct Air-Acetylene Flame Method ^(4.8)
5	Beryllium	Digestion, Direct Air-Acetylene Flame Method ^(4.8)
6	Cadmium	Digestion, Direct Air-Acetylene Flame Method ^(4.8)
7	Chromium	Digestion, Direct Air-Acetylene Flame Method ^(4.8)
8	Chromium (II)	Digestion, Direct Air-Acetylene Flame, Colorimetric Method; Calculation ^(4.5,7.10)
9	Chromium (VI)	Digestion, Colorimetric Method ^(7.10)
10	Cyanide	Cyanide Extraction Method ^(1.13)
11	DDD	Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(6.14)
12	DDE	Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(6.14)
13	DDT	Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(6.14)
14	Dieldrin	Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(6.14)
15	Endrin	Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(6.14)
16	α -HCH	Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(6.14)
17	β -HCH	Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(6.14)
18	γ -HCH	Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(6.14)

19 Heptachlor...

ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
17	Lindane	1) Waste Extraction, Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1.5,19) 2) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(6.14)
18	Mercury	1) Waste Extraction, Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^(1.11) 2) Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^(6.12)
19	Methoxychlor	1) Waste Extraction, Liquid-Liquid Extraction, Gas Chromatographic/Mass Spectrometric Method ^(1.5,19) 2) Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(6.14)
20	Nickel	1) Waste Extraction, Digestion, Direct Air-Acetylene Flame Method ^(1.8) 2) Digestion, Direct Air-Acetylene Flame Method ^(4.8) Electrometric Method ^(1.6)
21	pH	1) Waste Extraction, Digestion, Hydride Generation/ Atomic Absorption Spectrometric Method ^(1.13)
22	Selenium	2) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(4.13)
23	Silver	1) Waste Extraction, Digestion, Direct Air-Acetylene Flame Method ^(1.8) 2) Digestion, Direct Air-Acetylene Flame Method ^(4.8)
24	Vanadium	1) Waste Extraction, Digestion, Direct Air-Acetylene Flame Method ^(1.8) 2) Digestion, Direct Air-Acetylene Flame Method ^(4.8)
25	Zinc	1) Waste Extraction, Digestion, Direct Air-Acetylene Flame Method ^(1.8) 2) Digestion, Direct Air-Acetylene Flame Method ^(4.8)


ดิน...

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ลำดับที่	สารมลพิษ	วิธีวิเคราะห์
19	Heptachlor	Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(6.14)
20	Heptachlor epoxide	Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(6.14)
21	Lead	Digestion, Direct Air-Acetylene Flame Method ^(4.8)
22	Manganese	Digestion, Direct Air-Acetylene Flame Method ^(4.8)
23	Mercury	Digestion, Cold-Vapor Atomic Absorption Spectrometric Method ^(4.12)
24	Methoxychlor	Soxhlet Extraction, Gas Chromatographic/ Mass Spectrometric Method ^(6.14)
25	Nickel	Digestion, Direct Air-Acetylene Flame Method ^(4.8)
26	Selenium	Digestion, Hydride Generation/Atomic Absorption Spectrometric Method ^(4.13)
27	Silver	Digestion, Direct Air-Acetylene Flame Method ^(4.8)
28	Vanadium	Digestion, Direct Air-Acetylene Flame Method ^(4.8)
29	Zinc	Digestion, Direct Air-Acetylene Flame Method ^(4.8)

เอกสารอ้างอิง

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