

Index of Methods for the Examination of Waters and Associated Materials 1976–1992

Methods for the Examination of Waters and Associated Materials

This booklet contains an index of the methods for the examination of waters and associated materials in order of their respective ISBN numbers. There then follows an alphabetical listing of the more important parameters and topics covered in the published series.

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Contents

About this booklet	4
Methods published in order of their respective ISBN numbers	5
Index of parameters and topics	15
Glossary of terms	55
Address for correspondence	56

About This Booklet

The Department of the Environment, in collaboration with various learned societies, has in the past issued volumes of methods for the analysis of water and sewage. These volumes inevitably took several years to complete and were partially out of date before being printed. The present methods are now published as a series of booklets, thus allowing for speedy replacement or revision.

The preparation of these methods and their continuous revision is the responsibility of the Standing Committee of Analysts. This Committee has currently nine working groups, each responsible for one section or aspect of the water quality cycle.

The working groups are:

- 1.0 General principles of sampling and accuracy of results
- 2.0 Microbiological methods
- 3.0 Empirical and physical methods
- 4.0 Metals and metalloids
- 5.0 General nonmetallic substances
- 6.0 Organic impurities
- 7.0 Biological methods
- 8.0 Sewage works control methods
and
- 9.0 Radiochemical methods

The committee is now managed and serviced by the Drinking Water Inspectorate.

The actual methods and reviews of the more important analytical techniques are produced, in co-operation with the working group and main committee, by panels of experts in appropriate fields. The development of methods is continuously progressing and in view of the number so far published, it was considered appropriate that an index be produced.

This booklet contains an index of the series of recommended methods for determining the quality of waters and associated materials and also of the reviews of the more important analytical techniques.

How to use this index

This index is divided into two parts. The first part contains a list in ISBN number order of titles of all methods and reviews so far published. The second part contains an alphabetical listing of the more important parameters and topics covered in the booklets. In both sections of the index, publications are identified by a Book Number and any subject identified in the alphabetical listing may be related to the relevant publication by referring to the Book Number in the ISBN listing. Where booklets are shown to be out of print, it is the intention, at a later date, to either reprint or revise with a further edition.

Every effort is made to prevent errors from occurring in the text. However, should any mistakes be found, please notify the Secretary.

Dr D WESTWOOD
Secretary

6 April 1992

Standing Committee of Analysts

Methods for the Examination of Waters and Associated Materials

Methods in order of ISBN Number

<i>Book Number</i>		<i>ISBN No.</i>
1	Emission Spectrophotometric Multielement Methods of Analysis for Waters, Sediments and other materials of interest to the Water Industry 1980	0117500151
2	Cadmium in potable waters by atomic absorption spectrophotometry 1976	0117511366 Out of print
3	Lead in potable waters by atomic absorption spectrophotometry 1976	0117511374 Out of print
4	Chemical oxygen demand (dichromate value) of polluted and waste waters 1977	0117512494 Out of print
5	Amenability of sewage sludge to anaerobic digestion 1977	0117512508 Out of print
6	The sampling and initial preparation of sewage and waterworks' sludge, soils, sediments and plant materials prior to analysis 1977	0117512516 Superseded by 89
7	Determination of the pH value of sludge, soil, mud and sediment; and lime requirement of soil 1977	0117512524 Out of print
8	Magnesium in waters and sewage effluents by atomic absorption spectrophotometry 1977	0117513121
9	Calcium in waters and sewage effluents by atomic absorption spectrophotometry 1977	011751313X
10	Mercury in waters, effluents, and sludges by flameless atomic absorption spectrophotometry 1978	0117513261
11	Iron in raw and potable waters by spectrophotometry (using 2, 4, 6 - tripyridyl - 1, 3, 5-triazine) 1977	011751327X
12	Manganese in raw and potable waters by spectrophotometry (using formaldoxime) 1977	0117513288 Out of print
13	Organochlorine insecticides and polychlorinated biphenyls in waters 1978	0117513733 Out of print

<i>Book Number</i>		<i>ISBN No.</i>
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15	The determination of Material Extractable by Carbon Tetrachloride and of certain hydrocarbon oil and grease components in sewage sludge 1978	0117514365 Out of print
16	Dissolved oxygen in natural and waste waters 1979	011751442X
17	Arsenic in Potable and Sea Water by Spectrophotometry (Arsenomolybdenum Blue procedure) Tentative Method 1978	0117514519
18	Methods for Biological Sampling Handnet Sampling of Aquatic Benthic Macroinvertebrates 1978	0117514527
19	The Instrumental Determination of Total Organic Carbon, Total Oxygen Demand and Related Determinands 1979	0117514586
20	Atomic Absorption Spectrophotometry. An Essay Review 1979	0117514616
21	Determination of Volatile Fatty Acids in Sewage Sludge 1979	0117514624
22	The Analysis of Sludge Digester Gas 1979	0117514632 Out of print
23	Acid Soluble Aluminium in Raw and Potable Waters by Spectrophotometry (using Pyrocatechol Violet) 1979	0117514640 Out of print
24	Air Segmented Continuous Flow Automatic Analysis. An Essay Review 1979	0117514705 Out of print
25	General Principles of Sampling and Accuracy of Results 1980	0117514918 Out of print
26	Sulphate in Waters, Effluents and Solids 1979	0117514926 Superseded by 136
27	Chemical Disinfecting Agents in Waters and Effluents, and Chlorine Demand 1980	0117514934
28	Chromium in Raw and Potable Waters and Sewage Effluents 1980	0117515280
29	A Survey of Multielement and Related Methods of Analysis for Waters, Sediments and other materials of interest to the Water Industry 1980	0117515299
30	Ultra Violet and Visible Solution Spectrophotometry and Colorimetry 1980	0117515388

<i>Book Number</i>		<i>ISBN No.</i>
31	Zinc in Potable Waters by Atomic Absorption Spectrophotometry 1980	0117515418 Out of print
32	Copper in Potable Waters by Atomic Absorption Spectrophotometry 1980	0117515426
33	Bromide in Waters, High Level Titrimetric Method 1981	0117515434
34	Chloro- and Bromo- Tri Halogenated Methanes in Water 1980	0117515442 Out of print
35	Dissolved Potassium in Raw and Potable Waters 1980 (Tentative Methods)	0117515450
36	Dissolved Sodium in Raw and Potable Waters 1980 (Tentative Methods)	0117515469
37	Silicon in Waters and Effluents 1980	0117515574
38	Phosphorus in Waters, Effluents and Sewages 1980	0117515825
39	Boron in Waters, Effluents, Sewage and Some Solids 1980	0117515833 Out of print
40	Oxidised Nitrogen in Waters 1981	0117515930
41	Odour and Taste in Raw and Potable Waters 1980	0117515973 Out of print
42	Hydrazine in Waters Spectrophotometric Method 1981	011751599X
43	Total Hardness, Calcium Hardness and Magnesium Hardness in raw and potable waters by EDTA titrimetry 1981	0117516007
44	The Determination of Alkalinity and Acidity in Water 1981	0117516015 Out of print
45	Cobalt in Potable Waters 1981	0117516031
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47	Analysis of Surfactants in Waters, Waste Waters and Sludges 1981	0117516058 Out of print
48	Ammonia in Waters 1981	0117516139 Out of print
49	Cadmium, Chromium, Copper, Lead, Nickel and Zinc in Sewage Sludges by Nitric Acid/AAS 1981	0117516155
50	Phenols in Waters and Effluents by Gas Chromatography, 4-aminoantipyrine and 3-methyl-2-benzothiazolinehydrazone 1981	0117516171 Out of print

<i>Book Number</i>		<i>ISBN No.</i>
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53	Pyrethrins and Permethrin in Potable Waters by Electron Capture Gas Chromatography 1981	0117516287
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67	Gas Chromatographic and Associated Methods for the Characterization of Oils, Fats, Waxes and Tars 1982	0117516775

<i>Book Number</i>		<i>ISBN No.</i>
68	Silver in Waters, Sewages and Effluents by Atomic Absorption Spectrophotometry 1982	0117516783
69	Arsenic in potable waters by Atomic Absorption Spectrophotometry (Semi Automatic Method) 1982	0117516791
70	Molybdenum, especially in sewage sludges and soils by Spectrophotometry 1982	0117516805
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150	Index of Methods for the Examination of Waters and Associated Materials 1976-1992	011752669X

(Items marked * will be published as soon as possible)

Standing Committee of Analysts

Methods for the Examination of Waters and Associated Materials

Alphabetical listing of subject

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
<i>Acanthamoeba</i>	provisional identification of	138	17
Accuracy of results	a review	25	49
Acenaphthene	retention values for	113	39
Acetaldehyde	method for	135	12
Acetate	retention values in IC for	75	72
	see index for IC methods for	140	121
Acetic acid	retention values in IC for	75	73
	see fatty acids		
Acetone	method for	135	12
Acetyl value	of oils	78	11
Acid chromous chloride	alternative for alkaline pyrogallol	22	15
	of oils	78	18
Acid value	titrimetric method for	44	31
Acidity	see index for IC methods for	140	121
Aconitate	HPLC-UV method for water for	115	7
Acrylamide monomer	HPLC-UV method for polyelectrolytes for	115	11
	accuracy of analytical results	115	15
Actinides	reference to methods for	29	43
Actinium	reference to methods for	29	43
Adipate	retention values in IC for	75	72
Adipic acid	retention values in IC for	75	73
Adsorption characteristics	of test substances in sewage sludges	148	6
Air segmented continuous flow methods	a review	24	4
	method for sulphate	26	36
	method for boron using azomethine-H	39	15
	for total oxidized nitrogen or nitrite	40	15
	method for alkalinity	44	24
	for anionic surface active material	47	12
	method for ammonia	48	29
	method for ammonia in sea water	48	39
	method for chloride	51	29
	semi automatic AAS method for arsenic	69	4
	acetylacetone method for formaldehyde	72	19
	methanol oxidation to formaldehyde	72	36
	method for iodine	80	5
	method for iodide	80	9
	method for iodate	80	9
	spectrophotometric method for urea	87	14
	method for urea	87	21
	method for total nitrogen and phosphorus	91	29
	method for ammonia and orthophosphate	91	39
	method for thiocyanate	100	39
	method for ammonia	126	39

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Air segmented continuous flow methods (<i>cont</i>)	method for cyanide	131	19
	2-aminoperimidine method for sulphate	136	24
	methylthymol blue method for sulphate	136	50
Aldicarb	a review	137	21
	HPLC-UV method for	127	14
Aldrin	retention values/packing material for	13	15
	retention values for	82	16
	confirmatory procedure for EC-GC method for turbid waters for	82	24
Algae	collection and extraction of	96	18
	sampling for non-planktonic	65	15
	estimation of algal cell counts	74	4
	estimation of algal cell volume	139	7
	use of algal bioassays	139	25
Aliphatic carboxylic acids	see fatty acids	139	28
Alkali extractable organic matter	determination in ash for	59	5
Alkali extractable total organic carbon	determination of	59	12
Alkaline pyrogallol solution	for absorbing oxygen	22	15
Alkalinity	air segmented continuous flow method	24	5
	units expressed in terms of	44	9
	titrimetric method using standard acid	44	10
	low range method for	44	19
	continuous flow method for	44	24
	standard solution	44	26
	titrimetric method for sludges for	134	7
	FIA for	141	44
	see index for IC methods for	140	121
	see index for IC methods for	140	121
Alkyl sulphates	see index for IC methods for	140	121
Alkyl sulphonates	see index for IC methods for	140	121
Alkylamines	see index for IC methods for	140	121
Allethrin	retention values for	53	15
Alpha activity	determination of	94	9
	in water using a thick source method	94	17
	in sludges and sediments	94	67
Alpha-HCH	retention values/packing material for	13	15
	retention values for	82	16
Alphacypermethrin	GC-EC method for	146	7
Aluminium	reference to method of determination for	1	6
	element characteristics in AAS	20	42
	flame emission	20	44
	additional analytical information	20	44
	pyrocatechol violet method	23	4
	standard solution	23	9
	accuracy of analytical results	23	15
	air segmented continuous flow method	24	5
	atomic absorption (review)	29	20
	reference to methods for dissolution of insoluble residues of	29	43
	AAS/HCl-HNO ₃ digestion method for	93	17
	sewages	93	20
	x-ray fluorescence method	94	60
	pyrocatechol violet method	116	9
	bromopyrogallol red method	116	23
	lumogallion method	116	28

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Aluminium (<i>cont</i>)	using voltammetry	116	39
	emission and other methods	116	52
	reference to method of analysis for	122	12
	by cathodic stripping voltammetry	122	81
	cation exchange	140	108
	see index for IC methods for	140	121
	flow injection analysis	141	7
	atomic absorption	144	10
	wavelength data	*145	17
	see settlement aids	83	27
	Aluminium salts	monitoring heavy metals by use of	144
<i>Amblystegium riparium</i>	procedure for full test	5	7
Amenability of sewage sludge	procedure for rapid test	5	8
	standard solution	48	7
Ammonia	distillation and titrimetric method for	48	9
	potentiometric method for	48	15
	spectrophotometric method for	48	21
	spectrophotometric method for	48	25
	continuous flow method for	48	29
	continuous flow method for sea waer	48	39
	spectrophotometric method for	87	5
	standard solution	87	9
	continuous method for	91	39
	standard solution	91	41
	spectrophotometric method for	126	30
	continuous flow method for	126	39
	FIA for	141	27
	Ammoniacal nitrogen	see also ammonia	
air segmented continuous flow method		24	5
reference to methods for		29	43
titrimetric determination		40	10
Ammonium (ammonia and ammonium ions)	retention values in IC for	75	72
	see index for IC methods for	140	121
	see index for IC methods for quaternary	140	124
Amoebae	isolating and identifying free living	138	6
Anion exchange resin	preparation of	47	62
Anionic surfactants	see surfactants		
Anodic stripping voltammetry	air segmented continuous flow method	24	5
	summary of	29	15
Anthracene	retention values for	113	39
Antimony	element characteristics in AAS	20	42
	additional analytical information	20	44
	reference to methods for	29	43
	crystal violet		
	spectrophotometric method	56	4
	standard solution	56	8
	accuracy of analytical results	56	12
	commercial hydride generation methods	99	38
	reference to method of analysis for	122	12
	by EAAAS	123	10
	standard solution	123	11
	by EAAAS with palladium/magnesium nitrate	123	84

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Argenticyanide	see index for IC methods for	140	121
Argon	reference to methods for	29	43
Arsenate	see index for IC methods for	140	121
Arsenic	arsenomolybdenum blue method for	17	4
	standard solution	17	10
	accuracy of analytical results	17	19
	element characteristics in AAS	20	42
	additional analytical information	20	44
	reference to methods for	29	43
	AAS semi automatic method for	69	4
	standard solution	69	7
	accuracy of analytical results	69	15
	dissolution of insoluble residues of	93	17
	in soils/sludges by hydride generation	99	23
	commercial hydride generation methods	99	38
	reference to method of analysis for	122	12
	by EAAAS with palladium/magnesium nitrate	123	84
Arsenite	see index for IC methods for	140	121
Aryl sulphates	see index for IC methods for	140	121
Aryl sulphonates	see index for IC methods for	140	121
Arylamines	see index for IC methods for	140	121
Astatine	reference to methods for	29	43
Aston cylinder sampler	description of	52	10
	for non-planktonic algae	74	22
Asulam	HPLC-UV method for	127	14
Atomic absorption spectrophotometry	determination of elements by	1	52
	a review of	20	6
	types of flame used in	20	13
	interference effects in	20	22
	sample pretreatment techniques in	20	27
	cold vapour technique for mercury	20	29
	hydride generation techniques	20	30
	element characteristics in	20	42
	summary of	29	20
	interference effects in	*145	10
	useful wavelengths in	*145	17
Atomic fluorescence spectrophotometry	details of	1	13
	summary of	29	21
	useful wavelengths in	*145	17
Atrazine	methylation/NSD-GC method for	90	43
Auricyanide	see index for IC methods for	140	121
Aurocyanide	see index for IC methods for	140	121
Automatic analysis	see air segmented continuous flow method		
Azide	see index for IC methods for	140	121
Azinphos ethyl	retention values for	60	11
	retention values for	95	13
Azinphos methyl	standard solution	60	6
	retention values for	60	11
	in sewage sludges by FPD-GC	95	4
	retention values for	95	13
Bacteriological examination	see index in that volume	66	100
Barium	of drinking water supplies reference to method of	66	

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>	
Barium	reference to method of determination for element characteristics in AAS	1	6	
	additional analytical information	20	42	
	reference to methods for retention values in IC for dissolution of insoluble residues of	20	44	
	AAS method for standard solution for	29	43	
	see index for IC methods for preparation/standardisation of 0.005M	75	72	
	preparation/standardisation of 0.005M	93	17	
	preparation/standardisation of 0.125M	111	26	
		111	30	
		140	121	
	Barium chloride	preparation/standardisation of 0.005M	26	19
Barium hydroxide	preparation/standardisation of 0.125M	136	16	
Beer-Lambert Law	equation for	1	43	
	equation for	30	5	
Bendiocarb	HPLC-UV method for	127	14	
Benomyl	HPLC-UV method for	127	19	
Benthic macroinvertebrates	sampling of	18	4	
	sampling of	52	4	
	sampling of	79	4	
Benz(a)anthracene	retention values for	113	39	
Benzene	retention values for	110	18	
Benzene sulphonate	see index for IC methods for	140	121	
Benzo(ghi)perylene	retention values for	113	8	
	retention values for	113	39	
Benzo 3,4 pyrene	see polycyclic aromatic hydrocarbons	113	8	
	retention values for	113	39	
Benzo(b)fluoranthene	see polycyclic aromatic hydrocarbons	113	8	
	retention values for	113	39	
Benzo(e)pyrene	retention values for	113	39	
Benzo(k)fluoranthene	see polycyclic aromatic hydrocarbons	113	8	
	retention values for	113	39	
Benzoate	retention values in IC for	75	72	
	see index for IC methods for	140	121	
Benzoic acid	retention values in IC for	75	73	
Beryllium	reference to method of determination for element characteristics in AAS	1	6	
	reference to methods for by FAAAS	20	42	
	standard solution	29	43	
	determination of	123	16	
	in water	123	19	
	in sludges and sediments	94	8	
	retention values/packing material for	94	25	
	retention values for	94	67	
	determination of	13	15	
	see alkalinity	82	16	
assessment of	98	31		
Biodegradability	glossary of terms used in electrolytic respirometric method	61	6	
	manometric method	61	13	
	oxygen electrode	61	17	
	respirometric method	61	24	
	assessment of chemicals/effluents for respiration rate	61	31	
	measurements	61	39	
		61	39	

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>	
Biodegradability (<i>cont</i>)	manometric respirometric assessments	61	47	
	CO ₂ evolution (Sturm test) for	61	53	
	modified OECD screening test for	61	59	
	static die-away test for	61	64	
	modified co-metabolism die-away test for	61	69	
	continuous activated sludge test	61	73	
	semi-continuous activated sludge test	61	73	
	isolation of bacteria for testing for	61	99	
	assessment of	129	7	
	examination of	114	6	
	Biological filters	see BOID		
Biochemical oxygen demand	determination of	88	3	
Biomass	element characteristics in AAS	20	42	
Bismuth	additional analytical information	20	44	
	reference to methods for	29	43	
	titrimetric method for	47	33	
	AAS method for	47	35	
	EDTA spectrophotometric method for	47	36	
	reference to method of analysis for	122	12	
	Block digesters	use of	91	49
		use of	97	47
	BOD	see also dissolved oxygen		
		details of	54	4
standard solution for		54	11	
reagents for		106	41	
review of		130	12	
see index for IC methods for		140	121	
Borate	preparation of	91	17	
Boric acid indicator solution	element characteristics in AAS	20	42	
Boron	additional analytical information	20	44	
	reference to methods for	29	43	
	standard solution	39	8	
	curcumin			
	spectrophotometric method	39	11	
	continuous flow			
	method/azomethine-H	39	15	
	azomethine-H			
	spectrophotometric method	39	22	
	mannitol titrimetric method	39	27	
	pretreatment of sample	39	30	
	dissolution of insoluble residues of	93	17	
	see index for IC methods for	140	121	
	Bromate	reference to methods for	29	43
	Bromide	iodometric titration of bromate	33	4
IC method for		62	33	
standard solution in IC for		75	69	
retention values in IC for		75	72	
retention values in IC for		75	86	
various methods for the determination of		80	12	
IC method for		136	45	
see index for IC methods for		140	121	
method for		27	26	
Bromine		retention values for	34	15
Bromochloromethane		retention values for	110	34
Bromodichloromethane		see trihalomethanes		
		retention values for	110	18

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Bromodichloromethane (<i>cont</i>)	GC-EC head space method for	110	19
	GC-EC pentane extraction method for	110	24
	retention values for	110	34
2-Bromoethane sulphonate	see index for IC methods for	140	121
Bromoform	see trihalomethanes		
	GC-EC head space method for	110	19
	GC-EC pentane extraction method for	110	24
	retention values for	110	34
Bromophos	retention values for	60	11
	retention values for	95	13
Bromotrichloromethane	retention values for	34	15
	retention values for	110	34
Buffer solution	pH 7.0	7	9
	pH 4.0	14	12
	pH 5.2	39	17
	pH 6.9	44	13
	pH 9.2	44	13
	pH 4.0	44	13
	pH 4.0	44	21
	pH 6.9	44	21
	pH 3.1	44	26
	pH 9.4	87	17
	pH 4.0 (primary standard)	120	10
	pH 4.0 (0.0001N acid)	120	10
	pH 2.5	124	35
Burettes	note on accurate measurement using	100	9
Butan-2-one	method for	135	12
Butane	GC-FID method for	125	7
Butanoate	see index for IC methods for	140	121
Butylamines	see index for IC methods for	140	121
Butyrate	retention values in IC for	75	72
	see index for IC methods for	140	121
Butyric acid	retention values in IC for	75	73
C.I. Solvent Red 24	see identification of markers in gas oil	67	33
Cadmium	standard solution	2	6
	AAS on solvent extract using APDC	2	7
	element characteristics in AAS	20	42
	additional analytical information	20	44
	reference to methods for	29	43
	AAS method for sewage sludge	49	4
	extractable by 0.05M EDTA from soil	71	5
	AAS/HCl-HNO ₃ digestion method for soils	93	8
	AAS/HCl-HNO ₃ digestion method in sewages	93	20
	EAAAS method for	109	18
	APDC-MIBK extraction and AAS	109	28
	reference to method of analysis for	122	12
	by anodic stripping		
	voltammetry	122	14
	standard solution	122	17
	in saline waters by		
	APDC-AAS	122	101
	in saline waters by		
	APDC-AAS	122	114
	by EAAAS with palladium/magnesium nitrate	123	84

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Cadmium (<i>cont</i>)	see index for IC methods for	140	121
Caesium	reference to method of determination for element characteristics in AAS	1	6
	reference to methods for retention values in IC for dissolution of insoluble residues of	20	42
		29	43
		75	72
Calcium	see index for IC methods for reference to method of determination for preparation of 0.125M calcium chloride	140	121
		1	6
	AAS method for standard solution	7	5
		9	4
		9	5
	Accuracy of analytical results element characteristics in AAS	9	10
		20	42
	additional analytical information	20	44
	reference to methods for preparation for standard solution	29	43
		43	8
	standard solution	57	12
	AAS method for standard solution in IC	57	16
	retention values in IC for dissolution of insoluble residues of	75	70
		75	72
	AAS/HCl-HNO ₃ digestion method in sewages	93	17
		93	20
	AAS method for standard solution for	111	16
		111	18
Calcium hardness	see index for IC methods for EDTA titration	140	121
		43	11
	accuracy of analytical results	43	18
Capillary suction time	method for filterability of sludges	83	13
Caprate	see index for IC methods for	140	121
Caproate	see index for IC methods for	140	121
Caprylate	see index for IC methods for	140	121
Carbamate	HPLC-UV determination of	127	7
Carbaryl	HPLC-UV method for	127	7
	HPLC-UV method for	127	19
	TLC method for	127	21
Carbetamine	HPLC-UV method for	127	20
Carbon dioxide	method for determining removal of	22	6
		61	55
	based on pH, CO ₂ and alkalinity values	98	11
	method by absorption and titration	98	15
	in pressurised bottled and canned waters	98	23
	absorption and manometric analysis	98	24
Carbon disulphide	GC-FID method for	127	27
Carbon tetrachloride	retention values for distillation/extraction/GC method for	34	15
		96	28
	GC-EC head space method for	110	19
	GC-EC pentane extraction method for	110	24
	retention values for material extractable in	110	34
		15	4
Carbonate alkalinity	see alkalinity		
Carbonates	see index for IC methods for	140	121
Carbonic acid	retention values in IC for	75	73
Carbophenothion	standard solution	60	6
	retention values for	60	11

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Carbophenothion (<i>cont</i>)	in sewage sludges by FPD- GC	95	4
	Rf values for	95	13
	retention values for	95	13
	additional data for	95	17
Carboxylates	see index for IC methods for	140	121
Catechol	see phenol	50	14
Cation exchange capacity	method for	57	6
Cation exchange resin	use of	17	9
	preparation of	26	12
Cationic surfactants	see surfactants		
Cerium	reference to method of determination for	1	6
	reference to methods for	29	43
Chemical disinfecting agents	see total available chlorine		
Chemical oxygen demand	see COD		
Chemical pretreatment	details of	1	9
	techniques in AAS	20	27
	details of	29	10
	methods for silicon		
	conversion	37	22
	for fluoride determinations	62	52
	of samples prior to analysis	*145	8
Chloramines	see total available chlorine		
Chlorate	see index for IC methods for	140	121
Chlorbufam	HPLC-UV method for	127	7
Chlordane	retention values/packing material for	13	15
	retention values for	82	16
	standard solution	60	6
Chlorfenvinphos	retention values for	60	11
	in sewage sludges by FPD-GC	95	4
	Rf values for	95	13
	retention values for	95	13
Chloride	air segmented continuous flow method	24	5
	reference to methods for	29	43
	silver nitrate titrimetric method	51	6
	mercuric nitrate titrimetric method	51	15
	potentiometric method	51	22
	continuous flow method for ion selective electrode	51	29
	method for	51	38
	IC method for	62	33
	standard solution in IC	75	69
	retention values in IC for	75	72
	retention values in IC for	75	86
	IC method for	136	45
	see index for IC methods for	140	121
	FIA for	141	36
	method for	27	38
	method for	27	26
	Chlorine demand	method for	27
method for		27	26
Chlorine dioxide	method for	27	26
Chlorine solution	preparation and standardisation of	27	38
	method for	27	26
Chlorite	see index for IC methods for	140	121
Chloroaurates	see index for IC methods for	140	121
Chlorobenzene	capillary EC or FID GC method	96	6
	retention values for	96	10
Chlorobenzoates	see index for IC methods for	140	121
Chlorocresol	HPLC-electrochemical detection method	124	25
	retention values for	110	18
Chlorodibromomethane	see index for IC methods for	140	121
Chloroferrates	see trihalomethanes		
Chloroform	distillation/extraction/GC method for	96	28

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Chloroform (<i>cont</i>)	GC-EC head space method for	110	19
	GC-EC pentane extraction method for	110	24
Chloroisocyanurates	retention values for	110	34
	method for	27	26
2-Chloro-6-methylphenol	see phenol	50	14
4-Chloro-2-methylphenol	see phenol	50	14
4-Chloro-3-methylphenol	retention values for	124	53
4-Chloro-2-methylphenoxy acetic acid	see MCPA		
Chloropalladates	see index for IC methods for	140	121
2-Chlorophenol	see phenol	50	14
	GC-EC pentafluorobenzoyl ester method	124	8
3-Chlorophenol	HPLC-electrochemical detection method	124	25
	HPLC-UV method for	124	32
	GC-EC pentafluorobenzoyl ester method	124	8
4-Chlorophenol	HPLC-UV method for	124	32
	see phenol	50	14
Chlorophyll	GC-EC pentafluorobenzoyl ester method	124	8
	HPLC-electrochemical detection method	124	25
	HPLC-UV method for	124	32
Chlorophyll	in aquatic environments	65	5
	fluorescence detection of	65	13
Chloroplatinates	see index for IC methods for	140	121
Chloroplumbates	see index for IC methods for	140	121
Chlorpropham	HPLC-UV method for	127	7
Chlorpyrifos	standard solution	60	6
	in sewage sludges by FPD-GC	95	4
Chromates	Rf values for	95	13
	see index for IC methods for	140	121
Chromatographic methods	summary of	29	33
	a review on HPLC	75	9
	terms used in HPLC	75	11
	detection systems used in HPLC	75	18
	types of chromatographic separations	75	28
	a review on IC	75	60
	detection systems in IC	75	63
	standard solutions in IC	75	69
	standard solutions in IC	75	70
	preparation of	41	7
Chromium	preparation of	103	11
	reference to method of determination for	1	6
	element characteristics in AAS	20	42
	additional analytical information	20	44
	AAS method for	28	4
	standard solution	28	7
	diphenylcarbazide spectrophotometric method	28	12
	standard solution	28	14
	accuracy of results	28	18
	reference to methods for	29	43
	AAS method for sewage sludge	49	4
	AAS/HCl-HNO ₃ digestion method for soils	93	8
	dissolution of insoluble residues of	93	17
	AAS/HCl-HNO ₃ digestion method in sewages	93	20

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>	
Chromium (<i>cont</i>)	reference to method of analysis for	122	12	
	by coprecipitation with iron and EAAAS	122	120	
	standard solution	122	123	
	AAS method for total particulate	122	132	
	by EAAAS	123	22	
	standard solution	123	25	
	see index for IC methods for retention values for	140	121	
	Chrysene	retention values for	113	39
	Cinerin	see pyrethrins		
		retention values for	53	15
Citrate	see index for IC methods for monitoring heavy metals by use of	140	121	
<i>Cladophora glomerata</i>	use of	144	16	
Coagulation	see settlement aids			
Coastal waters	sampling	25	22	
Cobalt	element characteristics in AAS	20	42	
	reference to methods for AAS method on MIBK extract	29	43	
	standard solution	45	4	
	AAS method for standard solution	45	6	
	accuracy of analytical results	45	12	
	retention values in IC for dissolution of insoluble residues of	45	13	
	AAS/HCl-HNO ₃ digestion method in sewages	75	20	
	reference to method of analysis for	93	72	
	by cathodic stripping voltammetry	93	17	
	by EAAAS	93	20	
	standard solution	122	12	
	see index for IC methods for	122	12	
	see index for IC methods for	122	60	
	procedure for testing for titration procedure	123	28	
	spectrophotometric procedure	123	31	
	air segmented continuous flow method	140	121	
	method without mercury salts	140	121	
sampling, preservation and storage for	4	9		
notes on modifications to methods for	4	10		
accuracy of analytical results	4	11		
suspension for adsorption of visual measurement of	24	5		
standard solutions for spectrophotometric method for	97	5		
CIELAB determination of	97	9		
see chromatographic methods	97	37		
determination of	97	49		
use of	51	9		
of sewage and sludges	103	5		
of natural, treated and waste waters	103	8		
standard solutions for	103	10		
use of	119	7		
element characteristics in AAS	58	13		
air segmented continuous flow method	58	17		
	83	19		
	14	4		
	14	7		
	25	45		
	20	42		
	24	5		

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>	
Copper (<i>cont</i>)	reference to methods for	29	43	
	AAS method	32	4	
	standard solution	32	6	
	AAS method for sewage sludge	49	4	
	extractable by 0.05M EDTA from soil	71	5	
	AAS/HCl-HNO ₃ digestion method for soils	93	8	
	dissolution of insoluble residues of	93	17	
	AAS/HCl-HNO ₃ digestion method for sewages	93	20	
	reference to method of analysis for	122	12	
	by cathodic stripping voltammetry	122	28	
	in saline waters by APDC-AAS	122	101	
	in saline waters by APDC-AAS	122	114	
	by EAAAS	123	34	
	by EAAAS with palladium/magnesium nitrate	123	84	
	see index for IC methods for see phenol	140 50	121 15	
	2-Cresol	GC-EC pentafluorobenzoyl ester method	124	8
		HPLC-UV method for see phenol	124 50	32 15
		3-Cresol	GC-EC pentafluorobenzoyl ester method	124
	HPLC-UV method for see phenol		124 50	32 15
4-Cresol	GC-EC pentafluorobenzoyl ester method		124	8
	HPLC-UV method for retention values for	124 60	32 11	
	retention values for methods for isolating and identifying	95 138	13 6	
Cruformate	see index for IC methods for	140	121	
<i>Cryptosporidium oocysts</i>	see index for IC methods for	140	121	
Cuprocyanide	see index for IC methods for	140	121	
Cyanate	air segmented continuous flow method	24	5	
Cyanide	reference to methods for standard solution	29 131	43 7	
	potentiometric method for colorimetric method for	131 131	9 17	
	continuous flow method for diffusion of HCN and colorimetric method	131 131	19 26	
	advice on determination of total cyanide	131	36	
	in sludges and soils	131	39	
	accuracy of analytical results	131	41	
	see index for IC methods for	140	121	
	Cyanoargentate	see index for IC methods for	140	121
	Cyanoaurate	see index for IC methods for	140	121
	Cyanocobaltate	see index for IC methods for	140	122
	Cyanocuprate	see index for IC methods for	140	122
	Cyanoferrate	see index for IC methods for	140	122
	Cyanonickelate	see index for IC methods for	140	122
	Cyanopalladate	see index for IC methods for	140	122
	Cyanoplatinate	see index for IC methods for	140	122
	Cyclohexylamine	see index for IC methods for	140	122
	Cyfluthrin	GC-EC method for	146	7

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
2,4-D	EC-GC method for	90	7
	pentafluorobenzyl		
	ester/EC-GC method	90	23
	GC-MS confirmation of	90	30
Dalapon	EC-GC method for	90	7
Decane	retention values for	110	18
Decay series	tables of	94	12
Delta-HCH	retention values/packing		
	material for	13	15
	retention values for	82	16
Deltamethrin	GC-EC method for	146	7
Demeton	retention values for	60	11
	retention values for	95	13
Demeton-S-methyl	retention values for	60	11
	retention values for	95	13
Demeton-S-methyl sulphone	retention values for	60	11
	retention values for	95	13
Detectors	details of UV	30	15
	details of UV	30	18
	types of-for use in		
	chromatography	58	23
	detection systems used in		
	HPLC	75	18
	in IC	75	63
	information on electron		
	capture	81	20
Detergents	see surfactants		
Dialkyldithiocarbamate	GC-FID method for	127	27
Diaminoethane	see index for IC methods for	140	122
Diazinon	retention values for	60	11
	Rf values for	95	13
	retention values for	95	13
Dibenz(a,h)anthracene	retention values for	113	39
Dibrom	retention values for	60	11
	retention values for	95	13
Dibromoacetate	see index for IC methods for	140	122
Dibromochloromethane	see trihalomethanes		
	GC-EC head space method		
	for	110	19
	GC-EC pentane extraction		
	method for	110	24
	retention values for	110	34
1,2-Dibromoethane	distillation/extraction/GC		
	method for	96	28
Dicamba	EC-GC method for	90	15
	pentafluorobenzyl		
	ester/EC-GC method	90	23
Dichloramine	see total available chlorine		
1,2-Dichlorobenzene	capillary EC or FID GC		
	method	96	6
	retention values for	96	10
1,4-Dichlorobenzene	capillary EC or FID GC		
	method	96	6
	retention values for	96	10
Dichloroethane	retention values for	34	15
1,2-Dichloroethane	GC-EC pentane extraction		
	method for	110	24
	retention values of	110	34
1,1-Dichloroethylene	GC-EC head space method		
	for	110	19
	GC-EC pentane extraction		
	method for	110	24
Dichlorofenthion	retention values for	60	11
	retention values for	95	13
Dichloromethane	retention values for	34	15
	distillation/extraction/GC		
	method for	96	28
	GC-EC pentane extraction		
	method for	110	24
	retention values for	110	34
3,6-Dichloro-2-methoxybenzoic acid	see dicamba		

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Dichlorophenol	see phenol	50	14
2,3-Dichlorophenol	HPLC-UV method for	124	32
2,4-Dichlorophenol	see phenol	50	14
	GC-EC pentafluorobenzoyl ester method	124	8
	HPLC-electrochemical detection method	124	25
	HPLC-UV method for retention values for	124	32
		124	53
2,5-Dichlorophenol	HPLC-UV method for	124	32
2,6-Dichlorophenol	see phenol	50	14
	HPLC-electrochemical detection method	124	25
	HPLC-UV method for	124	32
3,5-Dichlorophenol	HPLC-UV method for	124	32
2,4-Dichlorophenoxy acetic acid	see 2,4-D		
Dichlorprop	retention values for standard solution	90	25
Dichlorvos	retention values for in sewage sludges by FPD-GC	60	6
		60	11
	retention values for	95	4
		95	13
Dieldrin	retention values/packing material for	13	15
	retention values for confirmatory procedure for EC-GC method for turbid waters for	82	16
		82	23
		96	18
Diesel oil	method relating to analysis of		
		128	32
Diethylamine	see index for IC methods for	140	122
Dimefox	retention values for	60	11
	retention values for	95	13
	Rf values for	95	13
Dimethoate	standard solution	60	6
	retention values for in sewage sludges by FPD-GC	60	11
		95	4
	Rf values for	95	13
	retention values for	95	13
Dimethylamine	see index for IC methods for	140	122
2,4-Dimethylphenol	retention values for	124	53
2,4-Dinitrophenol	retention values for	124	53
Dinocap	HPLC-UV method for	127	19
Diquat	ion exchange-UV method for	117	7
Dissociation constants	of organic/inorganic acids and bases	140	26
Dissolved oxygen	solubility of	16	4
	titrimetric method for determining	16	6
	instrumental method for determining	16	14
	method for	130	32
Disulfoton	retention values for	60	11
	retention values for	95	13
Dithiocarbamate	GC-FID method for	127	27
Dithionate	see index for IC methods for	140	122
Dithionite	see index for IC methods for	140	122
Diuron	HPLC-UV method for	127	14
	TLC method for	127	21
Dragendorff reagent (modified)	preparation of	47	30
Dysprosium	reference to method of determination for	1	6
EAAAS	review of	109	7
	useful wavelengths in preparation of 0.01M solution	*145	17
EDTA	preparation/standardisation of 0.01M	26	11
		43	8

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
EDTA (<i>cont</i>)	standardisation of 0.01M solution	43	14
	preparation of 0.05M ammonium salt	71	7
	see index for IC methods for	140	122
Electrical conductivity	see conductivity		
<i>Elodea canadensis</i>	monitoring heavy metals by use of	144	22
Emission spectrophotometry	review of	1	13
	summary of	29	22
Endosulphan A	retention values/packing material for	13	15
	retention values for	82	16
Endosulphan B	retention values/packing material for	13	15
	retention values for	82	16
Endrin	retention values/packing material for	13	15
	retention values for	82	16
	confirmatory procedure for monitoring heavy metals by use of	82	23
<i>Enteromorpha flexuosa</i>	use of	144	17
EPIC	HPLC-UV method for	127	7
	HPLC-UV method for	127	19
Erbium	reference to method of determination for	1	6
Ethane	GC-FID method for	125	7
Ethanolamine	see index for IC methods for	140	122
Ethion (Diethion)	retention values for	60	11
	Rf values for	95	13
	retention values for	95	13
Ethoate-methyl	retention values for	60	11
	retention values for	95	13
Ethyl benzene	retention values for	110	18
Ethylamine	see index for IC methods for	140	122
3-Ethylphenol	see phenol	50	15
4-Ethylphenol	see phenol	50	15
Europium	reference to method of determination for	1	6
	reference to methods for	29	43
Exchangeable cations	see cation exchange capacity		
	method for	57	10
Extraction efficiency	correction for	96	27
Fats	see oils		
Fatty acids	GC method for determining average composition of various	21	6
	titrimetric method for sludges for	67	22
	retention values for	134	7
Fenchlorphos	retention values for	60	11
	retention values for	95	13
Fenitrothion	standard solution	60	6
	retention values for in sewage sludges by	60	11
	FPD-GC	95	4
	Rf values for	95	13
	retention values for	95	13
Fenpropathrin	GC-EC method for	146	7
Fenvalerate	see sumicidin		
	GC-EC method for	146	7
Ferbam	GC-FID method for	127	27
Ferrieyanide	see index for IC methods for	140	122
Ferrocyanide	see index for IC methods for	140	122
Ferrous ammonium sulphate	preparation/standardisation of 0.02083M	4	8
	preparation/standardisation of 0.00282M	27	17
	preparation/standardisation of 0.025M	59	7
	preparation/standardisation of 0.025M	97	13

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Filterability	of sludges	83	13
Fish populations	sampling	121	10
Flame photometry	determination of elements by	1	52
	summary of	29	22
Flocculation	see settlement aids		
Flora	typing of rivers according to their	108	75
Flow Injection Analysis	turbidimetric method for sulphate	136	32
	a review	141	7
	spectrophotometric method for nitrate	141	27
	spectrophotometric method for ammonia	141	27
	spectrophotometric method for nitrite	141	32
	spectrophotometric method for phosphate	141	34
	spectrophotometric method for chloride	141	36
	spectrophotometric method for silicate	141	38
	spectrophotometric method for sulphate	141	40
	spectrophotometric method for hardness	141	42
	spectrophotometric method for alkalinity	141	44
Fluoranthene	see polycyclic aromatic hydrocarbons	113	8
	retention values for	113	39
Fluorene	retention values for	113	39
Fluoride	standard solution	23	9
	air segmented continuous flow method	24	5
	reference to methods for ion selective electrode	29	43
	method for	62	9
	standard solution	62	12
	eriochrome cyanine		
	spectrophotometric method	62	17
	lanthanum alizarin fluorine blue method	62	19
	standard solution	62	19
	IC method for	62	24
	standard solution	62	24
	standard solution	62	29
	in sewage sludge by acid extraction	62	38
	as total fluorine in sewage sludge	62	44
	accuracy of analytical results	62	73
	standard solution in IC	75	69
	retention values in IC for	75	72
	retention values in IC for	75	86
	IC method for	136	45
	see index for IC methods for	140	122
Fluoroborate	see index for IC methods for	140	122
Fluorophosphate	see index for IC methods for	140	122
Fly traps	preparation of sticky grease for	114	19
<i>Fontinalis antipyretica</i>	monitoring heavy metals by use of	144	18
Formaldehyde	acetylacetone		
	spectrophotometric method	72	8
	preparation/standardisation of solution	72	10
	continuous flow method for	72	19
	HPLC determination of	135	6
	preparation/standardisation of	135	8

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Formate	retention values in IC for see index for IC methods for use of	75 140 103	72 122 18
Formazin standards		75	73
Formic acid	retention values in IC for	60	11
Formothion	retention values for	95	13
Francium	reference to methods for	29	43
Free chlorine	see total available chlorine		
Fumarate	see index for IC methods for	140	122
Furfuraldehyde	see identification of markers in gas oil	67	33
Gadolinium	reference to method of determination for	1	6
	reference to methods for	29	43
Galacturonate	see index for IC methods for	140	122
Gallium	element characteristics in AAS	20	42
	reference to methods for	29	43
	reference to method of analysis for	122	12
	by EAAAS	123	40
	see index for IC methods for	140	122
Gamma activity	determination of	94	9
Gamma-HCH (Lindane)	retention values/packing material for	13	15
	retention values for	82	16
	confirmatory procedure for EC-GC method for turbid waters for	82	24
	a review	96	18
Gas chromatography	LTPRI	58	5
	tables of substances with LTPRI values	133	8
Gas oil	method relating to analysis of	133	26
Germanium	reference to methods for dissolution of insoluble residues of commercial hydride generation methods	128 29 93 99	32 43 17 38
	reference to method of analysis for	122	12
	by EAAAS	123	46
	standard solution	123	49
<i>Giardia</i> cysts	methods for isolating and identifying	138	6
Gluconate	see index for IC methods for	140	122
Glucuronate	see index for IC methods for	140	122
Glutarate	retention values in IC for	75	72
Glutaric acid	retention values in IC for	75	73
Glycollate	retention values in IC for	75	72
	see index for IC methods for	140	122
Glycollic acid	retention values in IC for	75	73
Glyphosate	ion exchange/reverse phase HPLC method	90	37
Gold	element characteristics in AAS	20	42
	reference to methods for	29	43
	see index for IC methods for	140	122
Grease	see hydrocarbon oils		
Groundwaters	sampling	25	23
Guaiacol	see phenol	50	7
Hafnium	reference to method of determination for	1	6
	reference to methods for GC-EC head space method for	29	43
Halogenated hydrocarbons	GC-EC pentane extraction method for	110	19
	see also individual named substances	110	24
	halogenated solvents	96	28

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Hardness, calcium	EDTA titration	43	11
	accuracy of analytical results	43	18
Hardness, magnesium	EDTA titration	43	17
	accuracy of analytical results	43	18
Hardness, total	EDTA titration	43	5
	standard solutions for	103	8
Hazen units for colour	reference to methods for	29	43
Helium	retention values/packing		
Heptachlor	material for	13	15
	retention values for	82	16
Heptachlor epoxide	retention values/packing		
	material for	13	15
Heptane	retention values for	82	16
	confirmatory procedure for	82	23
Hess-Waters sampler	retention values for	110	18
Hexachlorobenzene	description of	52	11
	retention values for	82	16
Hexamine	EC-GC method for	96	11
	standard solution	96	13
Hexanesulphonate	see formaldehyde		
High performance liquid chromatography	see index for IC methods for	140	122
	see chromatographic methods		
Holmium	reference to method of		
Hydrated lime	determination for	1	6
	see settlement aids	83	27
Hydrazine	spectrophotometric method		
	for	42	4
	standard solution	42	6
	see index for IC methods for	140	122
Hydride generation techniques	details of	20	30
	arsenic and selenium in		
Hydrocarbons	soils/sludges by	99	23
	GC-FID determination in		
Hydrocarbon gases	water of	110	4
	in waters by extraction/UV		
Hydrocarbon oils	fluorescence	128	6
	GC-FID method for	125	7
Hydrochloric acid	method for determination of	15	4
	extraction and IR		
	determination of	77	6
	extraction and gravimetric		
Hydrogen	analysis of	77	15
	extractable by petroleum		
	ether (40-60)	101	6
	preparation/standardisation		
Hydrogen sulphide	of 1.00N	37	7
	preparation/standardisation		
	of 0.02N	44	12
	preparation/standardisation		
Hydroxide alkalinity	of 0.1N	44	20
	preparation/standardisation		
	of 0.1N	98	16
	method for gas		
Hydroxybutyrate	determination	22	6
	method for determining	22	6
Hydroxycarboxylates	see alkalinity		
Hydroxyethylmethacrylate	see index for IC methods for	140	122
	see index for IC methods for	140	122
Hydroxyl value	see index for IC methods for	140	122
	of oils	78	11
Hydroxylamine	see index for IC methods for	140	122
	see index for IC methods for	140	122
Hypochlorite	see index for IC methods for	140	122
	see index for IC methods for	140	122
Hypophosphite	see index for IC methods for	140	122
	see index for IC methods for	140	122
ICP spectrometry	useful wavelengths in	*145	17
Imhoff cone	method for settleable solids	105	24
Indeno(1,2,3-cd)pyrene	see polycyclic aromatic		
	hydrocarbons	113	8
	retention values for	113	39

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>	
Indium	element characteristics in AAS	20	42	
	reference to methods for analysis for	29	43	
	by EAAAS	122	12	
		123	52	
Industrial effluents	sampling	25	24	
	assessment of biodegradability	61	39	
	assessment of—to toxicity to sewage	106	6	
	inhibitory effects of	106	45	
Instrumental methods	summary of	29	7	
Iodate	automated method for	80	9	
	see index for IC methods for	140	122	
Iodide	reference to methods for	29	43	
	automated method for	80	9	
Iodine	see index for IC methods for method for	140	122	
	automated spectrophotometric method for	27	26	
	standard solution	80	5	
	of oils	80	6	
Iodine value	of oils	78	15	
Iodofenphos	retention values for	60	11	
	retention values for	95	13	
Ion chromatography	see chromatographic methods			
	method for fluoride	62	24	
	method for phosphate	62	33	
	method for bromide	62	33	
	method for chloride	62	33	
	method for nitrite	62	33	
	method for nitrate	62	33	
	method for sulphate	62	33	
	method for sulphate	136	40	
	method for fluoride	136	45	
	method for nitrate	136	45	
	method for chloride	136	45	
	method for bromide	136	45	
	method for nitrite	136	45	
	method for phosphate	136	45	
	glossary of terms relevant to detectors used in	140	14	
		140	24	
	Ion selective electrodes	summary of	29	17
		method for nitrate	40	42
method for chloride		51	38	
method for fluoride		62	9	
method for sulphide		73	18	
method for carbon dioxide		98	22	
method for cyanide		131	9	
Iridium	reference to methods for	29	43	
Iron	2,4,6-tripyridyl-1,3,5-triazine method	11	4	
	standard solution	11	7	
	element characteristics in AAS	20	42	
	additional analytical information	20	44	
	air segmented continuous flow method	24	5	
	reference to methods for retention values in IC for	29	43	
	AAS method for	75	72	
	standard solution	76	5	
	accuracy of analytical results	76	10	
	AAS/HCl-HNO ₃ digestion method for soils	76	17	
	dissolution of insoluble residues of	93	8	
	AAS/HCl-HNO ₃ digestion method for	93	17	
	sewages	93	20	

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Iron (<i>cont</i>)	reference to method of analysis for	122	12
	by cathodic stripping voltammetry	122	91
	see index for IC methods for ferric	140	122
	see index for IC methods for ferrous	140	122
	see index for IC methods for	140	122
	see settlement aids	83	27
Iron salts	retention values for	110	18
Isopropyl benzene	see index for IC methods for	140	122
Isobutylamine	see index for IC methods for	140	122
Isocitrate	see index for IC methods for	140	122
Isopropylamine	see index for IC methods for	140	122
Jasmolin	see pyrethrins		
	retention values for	53	15
Ketoglutarate	see index for IC methods	140	122
Kjeldahl nitrogen	see nitrogen		
Kovats indices	meaning of	58	32
Krypton	reference to methods for	29	43
Lactate	retention values in IC for	75	42
	see index for IC methods for	140	123
Lactic acid	retention values in IC for	75	73
Lakes	sampling	25	21
Lanthanides	reference to methods for	29	43
	see index for IC methods for	140	123
Lanthanum	reference to method of determination for	1	6
Laurate	see index for IC methods for	140	123
Lead	standard solution	3	6
	AAS on solvent extract using APDC	3	7
	element characteristics in AAS	20	42
	additional analytical information	20	44
	reference to methods for AAS method for sewage sludge	29	43
	extractable by 0.05M EDTA from soil	49	4
	AAS/HCl-HNO ₃ digestion method for soils	71	5
	dissolution of insoluble residues of AAS/HCl-HNO ₃ digestion method for sewages	93	8
	EAAAS method for APDC-MIBK extraction and AAS	93	20
	APDC-chlorofluoroethane AAS method	109	18
	reference to method of analysis for	109	28
	by anodic stripping voltammetry	109	40
	standard solution	122	12
	in saline waters by APDC-AAS	122	14
	in saline waters by APDC-AAS	122	17
	by EAAAS with palladium/magnesium nitrate	122	101
	see index for IC methods for	122	114
	of soil	123	84
Time requirement	of soil	140	123
	of soil	7	8
Linoleate	see index for IC methods for	*149	13
	see index for IC methods for	140	123

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Imolenate	see index for IC methods for	140	123
Lithium	reference to method of determination for element characteristics in AAS	1	6
	reference to methods for standard solution in IC	20	42
	retention values in IC for dissolution of insoluble residues of	29	43
	AAS method for standard solution for	75	70
	see index for methods for	75	72
Loss on ignition	of sewage, sludge and related solids	93	17
Lutetium	reference to method of determination	111	8
		111	11
		140	123
Macrophytes	surveying of- in watercourses	108	9
Magnesium	AAS method for standard solution	8	4
	accuracy of analytical results	8	5
	element characteristics in AAS	8	10
	additional analytical information	20	42
	reference to methods for AAS method for	20	46
	EDTA titrimetric method for	29	43
	standard solution	57	9
	AAS method for standard solution in IC	57	9
	retention values in IC for dissolution of insoluble residues of	57	12
	AAS/HCl-HNO ₃ digestion method for sewages	57	16
	AAS method for standard solution for	75	70
	see index for IC methods for	75	72
Magnesium hardness	EDTA titration	93	17
Malate	see index for IC methods for	93	20
Malathion	standard solution	111	16
	retention values for in sewage sludges by FPD-GC	111	18
	retention values for	140	123
	Rf values for	43	17
Maleate	see index for IC methods for	140	123
Malonate	retention values in IC for	75	72
	see index for IC methods for	140	123
Malonic acid	retention values in IC for	75	73
Mancozeb	GC-FID method for	127	27
Maneb	GC-FID method for	127	27
Manganesc	formaloxime spectrophotometric method	12	4
	standard solution	12	7
	accuracy of analytical results	12	13
	element characteristics in AAS	20	42
	reference to methods for extractable by 0.05M EDTA from soil	29	43
	AAS method for standard solution	71	5
	accuracy of analytical results	76	5
	AAS/HCl-HNO ₃ digestion method for soils	76	10
		76	17
		93	8

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Manganese (<i>cont</i>)	dissolution of insoluble residues of	93	17
	AAS/HCl-HNO ₃ digestion method for sewages	93	20
	reference to method of analysis for	122	12
	by EAAAS with palladium/magnesium nitrate	123	84
	see index for IC methods for method for determination of	140	123
Material extractable in CCl ₄		15	4
Material extractable in petroleum ether	method for determination of	101	6
MBAS	see surfactants		
MCPA	pentafluorobenzyl ester/EC-GC method	90	23
	GC-MS confirmation of nitration/methylation confirmation	90	30
MCPB	pentafluorobenzyl ester/EC-GC method	90	34
	GC-MS confirmation of nitration/methylation confirmation	90	23
MCPP (Mecoprop)	pentafluorobenzyl ester/EC-GC method	90	30
	GC-MS confirmation of nitration/methylation confirmation	90	34
Mecarbam	retention values for	90	23
	Rf values for	90	30
Media reagents	retention values for	90	34
	preparation of	63	14
Mercuric nitrate	preparation of	64	52
	see also index in that volume	66	100
Mercury	standard solution (1 ml = 1 mg chloride)	51	17
	preparation of approx 0.01N solution	51	20
Metals	flameless AAS	10	4
	standard solution	10	6
	dithizone extraction, flameless AAS	10	14
	cold vapour technique	20	29
	element characteristics in AAS	20	42
	additional analytical information	20	46
	reference to methods for	29	44
	method for recovery of	51	44
	disposal of residues of	91	27
	bromine oxidation/flameless AAS method	92	6
	standard solution	92	10
	flameless/AAS method for sediments	92	16
	flameless atomic fluorescence method	92	22
	flameless AAS method for soils etc	92	29
	AFS/HCl-HNO ₃ digestion method for soils	93	8
	recovery of	97	46
	commercial hydride generation methods for	99	38
reference to method of analysis for	122	12	
disposal of residues of	126	20	
see index for IC methods for	140	123	
see index for IC methods for	140	123	
use of plants to monitor heavy	144	6	

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Metaphosphate	see index for IC methods for	140	123
Metham sodium	GC-FID method for	127	27
Methane	method for determining	22	6
	GC-FID method for	125	7
Methanol	continuous flow method for	72	36
	standard solution	72	38
	GC method for	72	42
Methiocarb	HPLC-UV method for	127	7
	HPLC-UV method for	127	19
3-Methylcatechol	see phenol	50	15
4-Methylcatechol	see phenol	50	15
2-Methyl-4,6-dinitrophenol	retention values for	124	53
Methyl sulphate	see index for IC methods for	140	123
Methylamine	see index for IC methods for	140	123
Methylene blue active substances (MBAS)	see surfactants		
Mevinphos	retention values for	60	11
	retention values for	95	13
Molybdates	see index for IC methods for	140	123
Molybdenum	reference to method of determination for	1	6
	element characteristics in AAS	20	42
	reference to methods for thiocyanate	29	44
	spectrophotometric method	70	6
	standard solution	70	8
	in soils by thiocyanate	70	13
	standard solution	70	15
	AAS/HCl-HNO ₃ digestion method for sewages	93	20
	reference to method of analysis for	122	12
Monobromoacetate	see index for IC methods for	140	123
Monochloramine	see total available chlorine		
Monochloroacetate	see index for IC methods for	140	123
Monoethylamine	see index for IC methods for	140	123
Morpholine	see index for IC methods for	140	123
Morphothion	retention values for	60	11
	retention values for	95	13
Myristate	see index for IC methods for	140	123
Nabam	GC-FID method for	127	27
<i>Naegleria</i>	provisional identification of	138	17
Naphthalene	retention values for	110	18
	retention values for	113	39
2-Naphthol	see phenol	50	7
Neodymium	reference to method of determination for	1	6
Neon	reference to methods for	29	44
Nessler's reagent	preparation of	40	11
	preparation of	48	10
Neutron activation analysis	sources for	81	16
	a review	81	28
Nickel	reference to method of determination for	1	6
	element characteristics in AAS	20	42
	air segmented continuous flow method	24	5
	reference to methods for AAS method on MIBK	29	44
	extract	46	4
	standard solution	46	7
	furil- α -dioxime		
	spectrophotometric method	46	13
	standard solution	46	16
	AAS method for	46	21
	standard solution	46	23
	accuracy of analytical results	46	28
	AAS method for sewage sludge	49	4

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Nickel (<i>cont</i>)	extractable by 0.05M EDTA from soil	71	5
	extractable by 0.5M acetic acid	71	13
	retention values in IC for AAS/HCl-HNO ₃ digestion method for soils	75	72
	dissolution of soluble residues of AAS/HCl-HNO ₃ digestion method for sewages	93	8
	reference to method of analysis for	93	17
	by cathodic stripping voltammetry	93	20
	in saline waters by APDC-AAS	122	12
	in saline waters by APDC-AAS	122	12
	by EAAAS	122	60
	see index for IC methods for	122	101
	reference to methods for monitoring heavy metals by use of	122	114
		123	58
		140	123
		29	44
Niobium			
<i>Nitella flexilis</i>			
Nitrate	see also total oxidized nitrogen		
	air segmented continuous flow method	24	5
	reference to methods for standard solution	29	44
	standard solution	40	7
	standard solution	40	25
	sulphosalicylic spectrophotometric method direct UV	40	31
	spectrophotometric method standard solution	40	36
	ion selective electrode method	40	38
	IC method for standard solution in IC for	40	42
	retention values in IC for	62	33
	retention values in IC for	75	69
	retention values in IC for	75	72
	retention values in IC for	75	86
	IC method for	136	45
	see index for IC methods for	140	123
Nitrification	nitrifying ability of activated sludge	55	6
	assessment of inhibition to	55	10
Nitrotriacetate	see index for IC methods for	140	123
Nitrite	see also total oxidized nitrogen		
	air segmented continuous flow method	24	5
	standard solution	40	7
	standard solution	40	26
	spectrophotometric diazotization method	40	49
	titrimetric method with sulphanilic acid	40	54
	IC method for	62	33
	standard solution in IC for	75	69
	retention values in IC for	75	72
	retention values in IC for	75	86
	IC method for	136	45
	see index for IC methods for	140	123
	FIA for	141	30
	FIA for	141	32
Nitrogen	method for gas determination of	22	6
	reference to methods for standard solution of	29	44
		126	9

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Nitrogen (<i>cont</i>)	Kjeldahl method with mercury catalyst	126	11
	Kjeldahl method with copper catalyst	126	21
	Kjeldahl method with hydrogen peroxide	126	26
	Kjeldahl method with copper/titanium	126	34
Nitrogen trichloride	see total available chlorine		
4-Nitrophenol	retention values for	124	53
Non-ionic surfactants	air segmented continuous flow method	24	5
	see surfactants		
Octane	retention values for	110	18
Octylsulphonate	see index for IC methods for	140	123
Odour	simple method for	41	4
	method at temperature of 40°C	41	6
Oenanthate	see index for IC methods for	140	123
Oils	low resolution GC method for	67	6
	reference solution for	67	8
	GC method of methyl esters for	67	14
	recovery/preparation of distillates of	67	23
	high resolution GC method for	67	29
	identification of markers in gas	67	33
	gas chromatograms of various	67	37
	saponification value of	78	8
	hydroxyl value of	78	11
	acetyl value of	78	11
	iodine value of	78	15
	acid value	78	18
	characteristic values of certain	78	25
	TLC characterisation of	86	5
	sampling of	104	4
	by filtration/extraction/gravimetry	118	7
	guide to methods of analysis of	128	22
Oleate	see index for IC methods for	140	123
Omethoate	retention values for	60	11
	retention values for	95	13
op'-DDT	retention values/packing material for	13	15
	retention values for	82	16
op'-DDE	retention values/packing material for	13	15
	retention values for	82	16
Organisms	toxicity testing with aquatic	64	7
Organochlorine pesticides	column packing material for	12	15
	methods for determining	13	6
	confirmation of identity of	13	20
	in sewage, sludges, muds and fish	82	5
	use of capillary columns for	82	29
	EC-GC method for turbid waters for	96	18
Organophosphorus pesticides	GC method for	60	5
	disposal of solutions of	60	7
	TLC confirmation of	60	14
	in sewage sludges	95	4
	TLC confirmation for	95	10
	retention values for	95	13
Organosulphates	see index for IC methods for	140	123
Organosulphonates	see index for IC methods for	140	123

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Orthophosphates	see index for IC methods for	140	123
Osmium	reference to methods for	29	44
Oxalacetate	see index for IC methods for	140	123
Oxalate	retention values in IC for see index for IC methods for	75 140	72 123
Oxalic acid	retention values in IC for	75	73
Oxidation procedures	for removal of organic substances	122	111
Oxyalkylene content	see surfactants		
Oxygen	see dissolved oxygen method for determining reference to methods for	22 29	6 44
Ozone	method for	27	26
PAH	See polycyclic aromatic hydrocarbons		
Palladium	reference to methods for see index for IC methods for	29 140	44 123
Palmitate	see index for IC methods for	140	123
Paraffin	method relating to analysis of	128	32
Paraquat	ion exchange – UV method for	117	7
Parathion	standard solution retention values for in sewage sludges by FPD-GC Rf values for retention values for	60 60 95 95 95	6 11 4 13 13
Parathion-methyl	retention values of retention values for	60 95	11 13
Parathion-O-analogue	retention values for retention values for	60 95	11 13
Partition coefficient	equation for	58	6
PCB	methods for determining confirmation of identity of in sewage, sludges, muds and fish confirmatory procedure for EC-GC method for turbid waters for	13 13 82 82 96	6 20 5 25 18
PCP	see phenol	50	15
Pebulate	HPLC-UV method for HPLC-UV method for	127 127	7 19
Pelargonate	see index for IC methods for	140	123
Pentachlorobenzene	retention values for	96	10
Pentachloroethane	GC-EC head space method for GC-EC pentane extraction method for	110 110	19 24
Pentachlorophenol	see phenol methylation/EC-GC method for GC-EC pentafluorobenzoyl ester method HPLC-UV method for method for	50 90 124 124 135	15 15 8 32 12
Pentan-3-one	see index for IC methods for	140	123
Pentanesulphonate	see index for IC methods for	140	123
Pentanoate	see index for IC methods for	140	123
Perchlorate	see index for IC methods for	140	123
Perdisulphate	see index for IC methods for	140	123
Periodate	see index for IC methods for	140	123
Permanganate	see index for IC methods for	140	123
Permanganate value	air segmented continuous flow method 10 minute boiling water test 4 hour 27°C test other tests for determining method using EC-GC for GC-EC method for	24 107 107 107 53 146	5 5 12 16 4 7
Permethrin			

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Permethrin-cis	see pyrethrins		
	retention values for	53	15
Permethrin-trans	see pyrethrins		
	retention values for	53	15
Peroxides	test for the presence in ether	90	8
Perylene	retention values for	113	39
Petrol	method relating to analysis of	128	32
Petroleum solvents	method relating to analysis of	128	32
pH	of sludge, soil, mud and sediment	7	4
	pH 7.0 buffer solution	7	9
	of natural, treated and waste waters	14	9
	definition of	14	10
	pH 4 buffer solution	14	12
	air segmented continuous flow method	24	5
	pH 5.2 buffer solution	39	17
	pH 6.9 buffer solution	44	13
	pH 4.0 buffer solution	44	13
	pH 9.2 buffer solution	44	13
	pH 4.0 buffer solution	44	21
	pH 6.9 buffer solution	44	21
	pH 3.1 buffer solution	44	26
	pH 9.4 buffer solution	87	17
	of low ionic strength waters	120	7
	pH 2.5 buffer solution	124	35
	pH 10.1 buffer solution	136	51
	of sludge, soil, mud and sediment	*149	6
	pH 4.0 buffer solution	*149	8
	pH 4.0 of a low conductivity water	*149	8
Phenanthrene	retention values for	110	18
	retention values for	113	39
Phenakpton	retention values for	60	11
	retention values for	95	13
Phenol	air segmented continuous flow method	24	5
	relative responses of a range of phenols	50	7
	GC method for	50	8
	monohydric/4-aminoantipyrine (pH 10) method	50	16
	standard solution	50	18
	4-aminoantipyrine (pH 10)/extraction	50	22
	standard solution	50	24
	4-aminoantipyrine (pH 7.9) extraction	50	28
	3-methyl-2-benzothiazolinone extraction	50	34
	retention values in IC for	75	73
	GC-EC bromination method for	124	21
	HPLC-electrochemical detection method	124	25
Phenols	GC-EC pentafluorobenzoyl ester method	124	8
	HPLC-UV method for	124	32
2-Phenylphenol	see phenol	50	14
	HPLC-UV method for	124	32
3-Phenylphenol	see phenol	50	14
4-Phenylphenol	see phenol	50	14
	HPLC-UV method for	124	32
Phorate	retention values for	60	11
	retention values for	95	13
Phorate-O-analogue	retention values for	60	11
	retention values for	95	13

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Phosalone	retention values for	60	11
	retention values for	95	13
Phosphamidon	retention values for	60	11
	retention values for	95	13
Phosphate	air segmented continuous flow method	24	5
	standard solution	26	12
	standard solution	26	19
	standard solution	38	8
	standard solution	38	13
	IC method for	62	33
	standard solution in IC	75	69
	retention values in IC for	75	72
	retention values in IC for	75	86
	standard solution	91	17
	continuous method for	91	39
	standard solution	91	42
	dissolution of insoluble residues of	93	17
	standard solution	136	16
	see index for IC methods for	140	123
	FIA for	141	34
Phosphite	see index for IC methods for	140	123
Phosphonates	see index for IC methods for	140	123
Phosphorus	reference to methods for phosphomolybdenum blue method	29	44
	standard solution	38	5
	standard solution	38	8
	phosphomolybdenum blue extraction method	38	11
	standard solution	38	13
Phthalates	see index for IC methods for	140	123
Phthalic acid	retention values in IC for	75	73
Piperidine	see index for IC methods for	140	124
Pipettes	note on accurate measurement using	100	9
Pirimicarb	TLC method for	127	21
Pirimiphos-methyl	standard solution	60	6
	retention values for in sewage sludges by FPD-GC	60	11
	retention values for	95	4
	retention values for	95	13
Pirimithate	retention values for	60	11
	retention values for	95	13
Plants	initial preparation of	6	11
	initial preparation prior to analysis	89	21
	use of - to monitor heavy metals	144	
Plasma emission spectral lines	list of elements and wavelengths for	1	74
Platinum	reference to methods for cleaning procedure for crucibles of	29	44
	care of	37	24
	care of	62	54
	see index for IC methods for	140	124
Polarography	summary of	29	12
Polonium	reference to methods for	29	44
Polychlorinated biphenyls	see PCB		
Polycyclic aromatic hydrocarbons	HPLC-fluorescence method for	113	8
	TLC-UV method for	113	18
	retention values for	113	39
Polyelectrolytes	see settlement aids	83	27
Potable waters	sampling	25	23
<i>Potamogeton pectinatus</i>	monitoring heavy metals by use of	144	20
Potassium	element characteristics in AAS	20	42
	reference to methods for	29	44

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Potassium (<i>cont</i>)	flame photometric method for	35	4
	standard solution	35	6
	AAS method for	35	9
	accuracy of analytical results	35	15
	standard solution	57	12
	flame photometric method for	57	14
	standard solution in IC	75	70
	retention values in IC for	75	72
	dissolution of insoluble residues of	93	17
	see index for IC methods for	140	124
Potassium bromate	standard solution of 0.1N (0.01667M)	33	6
Potassium chloride	preparation of 0.005M solution	14	7
Potassium dichromate	preparation of standard solution	4	7
	preparation of 0.01N (M/600) solution	27	17
	standard solution of 0.02083M	59	6
	standard solution of 0.02083M	97	12
Potassium hydrogen phthalate	preparation of 400 mg/1 COD solution	4	8
	preparation of 400 mg/1 COD solution	97	14
Potassium hydroxide	0.5M ethanolic solution of	78	9
Potassium iodate	preparation of 0.0042M standard solution	16	9
	preparation of 0.0042M solution	73	8
	preparation of 0.025N solution	100	15
Potassium permanganate	preparation/standardisation of 0.002M	107	8
pp'-DDE	retention values/packing material for	13	15
	retention values for	82	16
	confirmatory procedure for	82	22
	EC-GC method for turbid waters for	96	18
pp'-DDD	retention values/packing material for	13	15
	retention values for	82	16
	confirmatory procedure for	82	21
	EC-GC method for turbid waters for	96	18
pp'-DTE	retention values/packing material for	13	15
	retention values for	82	16
	confirmatory procedure for	82	22
	EC-GC method for turbid waters for	96	18
Praseodymium	reference to method of determination for	1	6
Preservation techniques	after sampling	25	38
Pre-treatment	see chemical pre-treatment for boron analysis	39	30
	for removal of organic substances	122	111
	of samples prior to analysis	*145	8
Promethium	reference to methods for	29	44
Prometryne	methylation/NSD-GC method for	90	43
Propane	GC-FID method for	125	7
Propazine	methylation/NSD-GC method for	90	43
Propham	HPLC-UV method for	127	7

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Propham (<i>cont</i>)	HPLC-UV method for	127	19
	TLC method for	127	21
Propionaldehyde	method for	135	12
Propionate	retention values in IC for	75	72
	see index for IC methods for	140	124
Propionic acid	retention values in IC for	75	73
Propoxur	HPLC-UV method for	127	14
Propylamine	see index for IC methods for	140	124
Pyrene	retention values for	113	39
Pyrethrins	method using EC-GC for	53	4
	retention values for	53	15
Pyrogallol	see alkaline pyrogallol solution		
	see phenol	50	14
Pyrophosphate	see index for IC methods for	140	124
Pyrrolidine	see index for IC methods for	140	124
Pyruvate	see index for IC methods for	140	124
Quinizarin	see identification of markers in gas oil	67	33
Quinol	see phenol	50	14
Radiation	units of measurement of	81	6
	a review	81	7
	analytical instrumentation for	81	13
	measurements in water	94	6
	using X-ray fluorescence measurements	94	55
Radioactive isotopes	data for some	94	14
Radioactive tracers	use of	81	31
Radioactivity	determination by gamma ray spectrometry	132	6
	carrier solution used in measurements of	132	18
	detection limits in measurements of	132	29
Radionuclides	determined by gamma ray spectrometry	132	26
Radium	reference to methods for determination of	29	44
		94	38
Radon	reference to methods for gross gamma measurement	29	44
	in water for	94	33
	determination of	94	38
	determination in air of sampling	94	53
Reservoirs		25	21
Residual chlorine	meaning of terms for	27	7
Resmethrin	retention values for	53	15
Resolution	equation for column	67	8
Resorcinol	see phenol	50	14
Rhenium	reference to methods for	29	44
	see index for IC methods for	140	124
Rhodium	reference to methods for	29	44
<i>Rhynchostiegium riparioides</i>	monitoring heavy metals by use of	144	19
River classification	details of	85	17
Rivers	sampling	25	20
Robots	use of - in methods of analysis	137	16
Rubidium	reference to method of determination for	1	6
	element characteristics in AAS	20	42
	reference to methods for	29	44
	retention values in IC for	75	72
	dissolution of insoluble residues of	93	17
	see index for IC methods for	140	124
Ruthenium	reference to methods for	29	44

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Salmonellae	isolation and identification	63	5
Samarium	reference to method of determination for	1	6
	reference to methods for	29	44
Sampling	of sewage and sludges	6	4
	from tanks	6	5
	from pipes	6	6
	of soils and sediments	6	7
	of aquatic benthic macroinvertebrates	18	4
	methods of biological	18	4
	a review	25	15
	of rivers	25	20
	of streams	25	20
	of reservoirs	25	21
	of lakes	25	21
	of coastal waters	25	22
	of potable waters	25	23
	of groundwaters	25	23
	of industrial effluents	25	24
	of sewage effluents	25	24
	of sediments	25	25
	preservation of samples after containers used for	25	38
	storage conditions of samples after	25	45
	devices for/in shallow flowing waters	52	4
	for non-planktonic algae	74	4
	benthic macroinvertebrates in deep water	79	4
	macroinvertebrates in supply systems	84	4
	device for—in lowland waters	85	4
	of sewage, sludges, sediments and soils	89	5
	of plants and wild life	89	5
	from tanks	89	7
	from pipes	89	9
	from bottles/cans/syphons and containers	98	33
	of oils, fats, waxes and tars	104	4
	fish populations	121	10
Saponification value	of oils	78	8
Scandium	reference to method of determination for	1	6
	reference to methods for	29	44
<i>Scapania undulata</i>	monitoring heavy metals by use of	144	19
Schradan	retention values for	60	11
	retention values for	95	13
Sediments	initial preparation of sampling	6	11
	initial preparation prior to analysis	25	25
	analysis	89	21
Selenate	see index for IC methods for	140	124
Selenite	see index for IC methods for	140	124
Selenium	element characteristics in AAS	20	42
	additional analytical information	20	46
	reference to methods for	29	44
	EC-GC method	99	7
	standard solution	99	10
	diaminonaphthalene		
	fluorimetric method	99	16
	in soils/sludges by hydride generation	99	23
	commercial hydride generation methods	99	38

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Selenium (<i>cont</i>)	reference to method of analysis for	122	12
	by EAAAS with palladium/magnesium nitrate	123	84
Serbam	GC-FID method for	127	31
Settleability	of activated sludge	83	42
Settleable solids	method for	105	20
	Imhoff cone method for	105	24
Settlement aids	method for selection of chemicals as	83	25
Sewage effluents	sampling	25	24
Sewage sludge	initial preparation prior to analysis	91	8
	inhibitory effects to digestion of	102	7
	assessment of treatability of chemicals	114	35
	adsorption characteristics of substances	148	6
SI Units	for the measurement of radiation	94	5
Silicate	air segmented continuous flow method	24	5
	see index for IC methods for FIA for	140	124
		141	38
Silicon	element characteristics in AAS	20	42
	reference to methods for molybdosilicic	29	44
	spectrophotometric method	37	5
	standard solution	37	7
	molybdosilicic spectrophotometric method	37	13
	pre-treatment methods for conversion	37	22
	dissolution of insoluble residues of	93	17
	see silicon		
Silicon dioxide			
Silver	reference to method of determination for element characteristics in AAS	1	6
	reference to methods for cleaning procedure for crucibles of	20	42
	recovery of	29	44
	recovery of	37	24
	AAS method for	51	41
	standard solution	62	69
	in sewage sludge by AAS	68	4
	standard solution	68	6
	accuracy of analytical results	68	11
	AAS/HCl-HNO ₃ digestion method in sewages	68	13
	recovery of	68	16
	reference to method of analysis for	93	20
	by EAAAS	97	46
	standard solution	122	12
	see index for IC methods for	123	64
	standard solution (1 ml = 1 mg chloride)	123	67
	standard 0.0141M solution	140	124
	standard solution of 0.1M	51	8
	standard solution of 0.01M	51	24
Silver nitrate	methylation/NSD-GC method for	100	35
	measurement of	131	8
Sludge cake compressibility	GC method for analysing	90	43
Sludge digester gas	volumetric method for analysing	83	45
		22	6
		22	13

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Smell bell	see odour		
Sodium	element characteristics in AAS	20	42
	reference to methods for flame photometric method for	29	44
	standard solution	36	4
	AAS method for	36	6
	standard solution	36	9
	accuracy of analytical results	36	11
	standard solution	36	15
	flame photometric method for	57	12
	standard solution in IC	57	14
	retention values in IC for	75	70
	dissolution of insoluble residues of	75	72
	see index for IC methods for	93	17
Sodium carbonate	preparation of approx 0.01N solution	140	124
	standard solutions	51	20
Sodium chloride	standard solution (1 ml = 1 mg chloride)	98	25
	preparation of 0.01N solution	51	8
	standard 0.0141M solution	51	20
Sodium hydroxide	preparation/standardisation of 1.00N	51	24
	preparation/standardisation of 0.02N	37	7
	preparation/standardisation of 0.1M	44	34
Sodium oxalate	standard solution of 0.005M	98	19
Sodium pyrrolidinedithiocarbamate	preparation of 0.0005M for bismuth	107	9
Sodium thiosulphate	preparation/standardisation of 0.0125M	47	31
	preparation of 0.0125M standardisation of	16	9
	0.0125M	27	11
	preparation/standardisation of 0.002M	27	13
	preparation/standardisation of 0.0125M	33	6
	preparation/standardisation of 0.0125M	73	8
	preparation of 0.0125M	73	14
Soils	initial preparation of	100	16
	initial preparation prior to analysis	6	11
	to dewatering of sludge	89	21
Specific resistance	for potentiometric methods	83	45
Standard addition technique	concepts of	62	50
Statistics	see index for IC methods for	25	8
Stearate	method for settleability of	140	124
Stirred sludge density	sludge	83	42
Stirred specific volume index	method for settleability of		
	sludge	83	42
Storage conditions	of samples	25	45
Stray light	solutions for testing for	30	23
Streams	sampling	25	20
Strontium	reference to method of determination for	1	6
	element characteristics in AAS	20	42
	reference to methods for	29	44
	retention values in IC for	75	72
	dissolution of insoluble residues of	93	17

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Strontium (<i>cont</i>)	AAS method for	111	26
	standard solution for	111	29
Succinate	see index for IC methods for	140	124
	retention values in IC for	75	72
Succinic acid	see index for IC methods for	140	124
	retention values in IC for	75	73
Sulfotep	retention values for	60	11
Sulphate	retention values for	95	13
	air segmented continuous		
	flow method	24	5
	gravimetric analysis/barium		
	chloride	26	5
	indirect titrimetric analysis		
	using EDTA	26	10
	standard solution	26	12
	titrimetric method/barium		
	chloride	26	17
	standard solution	26	19
	indirect AAS method	26	24
	2-aminoperimidine		
	spectrophotometric method	26	30
	standard solution	26	32
	continuous flow method	26	36
	IC method for	62	33
	standard solution in IC for	75	69
	retention values in IC for	75	72
	retention values in IC for	75	86
	gravimetric method for	136	9
	titrimetric barium method		
	for	136	14
	by ICP emission		
	spectrometry	136	21
	continuous flow		
	2-aminoperimidine method	136	24
	FIA using a turbidimetric		
	method	136	32
	IC method for	136	40
	continuous methylthymol		
	blue method for	136	50
accuracy of analytical results	136	58	
see index for IC methods for	140	124	
FIA for	141	40	
Sulphide	air segmented continuous		
	flow method	24	5
	reference to methods for	29	44
	iodometric titration for	73	6
	DPD spectrophotometric		
	method	73	12
	preparation/standardisation		
	of standard	73	14
	ion selective electrode for	73	18
	see index for IC methods for	140	124
Sulphite	retention values in IC for	75	72
	pararosaniline		
	spectrophotometric method	100	12
	preparation/standardisation		
	of	100	15
	determination by iodometric		
	titration	100	19
	see index for IC methods for	140	124
	see index for IC methods for	140	124
	pararosaniline		
spectrophotometric method	100	12	
determination by iodometric			
titration	100	19	
Sulphuric acid	preparation/standardisation		
	of 0.1N	44	32
Sunicidin	retention values for	53	15
Surber sampler	description of	52	6
Surfactants	anionic-methylene blue		
	method for	47	7

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Surfactants (<i>cont</i>)	automatic methylene blue method for extraction from sewage sludge	47	12
	nonionic – a review	47	18
	method for ethoxylated nonionic	47	23
	alkoxylated nonionic method by TLC	47	28
	oxyalkylene content of nonionic by GC	47	38
	ethoxylated nonionic/spectrophotometric	47	45
	cationic-disulphine blue method	47	51
	of sewage, sludge and related solids	47	58
	paper filtration method for membrane filtration method for	83	9
	centrifugal method for	105	8
		105	14
		105	17
2,4,5-T	EC–GC method for pentafluorobenzyl ester/EC–GC method	90	7
	GC–MS confirmation of reference to methods for	90	23
Tantalum	see oils	90	30
Tars	see index for IC methods for	29	44
Tartrate	method for	140	124
Taste	see 2,3,6-trichlorobenzoic acid	41	11
TBA	see index for IC methods for	140	124
Tellurate	see index for IC methods for	140	124
Tellurite	element characteristics in AAS	20	42
Tellurium	additional analytical information	20	46
	reference to methods for commercial hydride generation methods	29	44
Temperature	measurement and scales systems	99	38
		112	9
		112	15
Terbium	reference to method of determination for	1	6
Terbutryne	methylation/NSD–GC method for	90	43
Tetrabutylammonium	see index for IC methods for	140	124
1,2,3,4-Tetrachlorobenzene	retention values for	96	10
1,2,3,5-Tetrachlorobenzene	retention values for	96	10
1,2,4,5-Tetrachlorobenzene	retention values for	96	10
1,1,1,2-Tetrachloroethane	GC–EC head space method for	110	19
	GC–EC pentane extraction method for	110	24
1,1,2,2-Tetrachloroethane	GC–EC head space method for	110	19
	GC–EC pentane extraction method for	110	24
Tetrachloroethylene	retention values for	34	15
	distillation/extraction/GC method for	96	28
	retention values for	110	18
	GC–EC head space method for	110	19
	GC–EC pentane extraction method for	110	24
	retention values for	110	34
2,3,4,5-Tetrachlorophenol	HPLC–UV method for	124	32

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
2,3,4,6-Tetrachlorophenol	see phenol methylation/EC-GC method for	90	15
	HPLC-UV method for	124	32
2,3,5,6-Tetrachlorophenol	HPLC-UV method for	124	32
Tetradecane	retention values for	110	18
Tetraethylammonium	see index for IC methods for	140	124
Tetramethyl thiuram disulphide	GC-FID method for	127	27
Tetramethylammonium	see index for IC methods for	140	124
Tetrathionate	see index for IC methods for	140	124
Thallium	reference to method of determination for element characteristics in AAS	1	6
	additional analytical information	20	42
	reference to methods for	20	46
	reference to method of analysis for	29	44
	by EAAAS	122	12
	standard solution	123	70
	by EAAAS with palladium/magnesium nitrate	123	74
	see index for IC methods for	123	84
	calculation for	140	124
Theoretical gas production		129	12
Theoretical plates	equation for	67	15
Thickening characteristics of sludges	low speed centrifuge method for	83	34
Thin layer chromatography	see chromatographic methods characterisation of oils etc using	86	5
Thiocarbamate	HPLC-UV determination of	127	7
Thiocyanate	titrimetric method using AgNO ₃	100	32
	spectrophotometric method using Fe(III)	100	32
	standard solution	100	35
	continuous flow method for	100	39
	standard solution	100	42
	see index for IC methods for	140	124
Thionazin	retention values for	60	11
	retention values for	95	13
Thionazin-O-analogue	retention values for	60	11
	retention values for	95	13
Thiosulphate	iodometric titration for	100	25
	see index for IC methods for	140	124
	see sodium thiosulphate		
Thiram	GC-FID method for	127	27
Thorium	reference to methods for dissolution of insoluble residues of	29	44
	reference to method of determination for	93	17
Thulium		1	6
Tin	reference to method of determination for element characteristics in AAS	1	6
	additional analytical information	20	42
	reference to methods for dissolution of insoluble residues of	20	46
	commercial hydride generation methods	29	44
	reference to method of analysis for	93	17
	see index for IC methods for	99	38
		122	12
		140	124

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Tin (<i>cont</i>)	toluene extract-EAAAS method for organo	142	7
	toluene extract-EAAAS method for organo	142	12
	hydride-DCM extract-GC method for organo	142	17
	HPLC-AAS method for speciation of	142	25
	AAS or ICP method for total reference to method of	142	27
Titanium	determination for element characteristics in	1	6
	AAS	20	42
	reference to methods for retention values in IC for	29	44
	dissolution of insoluble residues of	75	72
	see index for IC methods for retention values for	93	17
Toluene	see index for IC methods for retention values for	140	124
Toluenesulphonates	see index for IC methods for	110	18
Total alkalinity	see alkalinity	140	124
Total available chlorine	iodometric method for	27	10
	DPD titrimetric method for	27	15
	DPD spectrophotometric method for	27	21
Total dissolved solids	drying method at 180°C for	105	25
Total hardness	EDTA titration	43	5
	accuracy of analytical results	43	18
	FIA for	141	42
Total inorganic phosphorus	see phosphorus	38	25
Total nitrogen	digestion method for	91	12
	continuous method for	91	27
Total organic carbon	definition of terms used in instrumental method for	19	5
	determining	19	5
	detection systems used in	19	14
	types of instruments used in standard solution	19	21
	(50 mg/L)	59	14
Total oxidized nitrogen	Devarda's alloy reduction method	40	9
	continuous flow method for nitrite	40	15
	continuous flow method for nitrite	40	23
Total oxygen demand	see total organic carbon		
Total phosphorus	see phosphorus	38	26
	digestion method for	91	12
	continuous method for	91	27
Total solids content	of sewage, sludge and related solids	83	6
Total sulphur	methods for determining	100	49
Toxicity testing	introduction to	64	7
	protocol for static test procedure for	64	36
	protocol for flow-through procedure for	64	40
	by growth inhibition of aerobic bacteria	114	26
Trade effluent screening	procedure for	5	10
Tri-allate	HPLC-UV method for	127	7
	HPLC-UV method for	127	19
	TLC method for	127	21
Tribromoacetate	see index for IC methods for	140	124
Tribromomethane	see bromoform see trihalomethanes retention values for	110	18
Tributylammonium	see index for IC methods for	140	124
Trichloroacetate	see index for IC methods for	140	124
1,2,4-Trichlorobenzene	retention values for	96	10
1,2,5-Trichlorobenzene	retention values for	96	10
1,3,5-Trichlorobenzene	retention values for	96	10

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
1,3,6-Trichlorobenzoic acid	EC-GC method for pentfluorobenzyl ester/EC-GC method	90	15
1,1,1-Trichloroethane	retention values for distillation/extraction/GC method for	90	23
	retention values for	34	15
	GC-EC head space method for	96	28
	GC-EC pentane extraction method for	110	18
1,1,2-Trichloroethane	retention values for GC-EC head space method for	110	19
	GC-EC pentane extraction method for	110	24
Trichloroethylene	retention values for distillation/extraction/GC method for	110	34
	retention values for GC-EC head space method for	34	15
	GC-EC pentane extraction method for	96	28
	retention values for	110	18
Trichloromethane	GC-EC pentane extraction method for	110	19
	retention values for	110	24
	retention values for	110	34
	see trihalomethanes	110	34
2,3,4-Trichlorophenol	HPLC-UV method for	124	32
2,3,5-Trichlorophenol	HPLC-UV method for	124	32
2,3,6-Trichlorophenol	HPLC-UV method for	124	32
2,4,5-Trichlorophenol	see phenol methylation/EC-GC method for	50	15
2,4,6-Trichlorophenol	GC-EC pentafluorobenzoyl ester method	90	15
	HPLC-UV method for	124	8
	see phenol methylation/EC-GC method for	124	32
	GC-EC pentafluorobenzoyl ester method	50	15
	HPLC-UV method for	90	15
	retention values for	124	8
3,4,5-Trichlorophenol	HPLC-UV method for	124	32
2,4,5-Trichlorophenoxy acetic acid	see 2,4,5-T	124	53
1,1,2-Trichlorotrifluoroethane	distillation/extraction/GC method for	124	32
Triethylamine	see index for IC methods for	96	28
Trifluoroacetate	see index for IC methods for	140	124
Trihalomethanes	GC method for determining retention values for	140	124
Trimetaphosphate	retention values for	34	4
	see index for IC methods for	34	15
Trimethylamine	see index for IC methods for	140	124
Tripolyphosphate	see index for IC methods for	140	124
Tripopylamine	see index for IC methods for	140	124
Tritium	determination of	140	124
Tungstate	see index for IC methods for	94	65
Tungsten	reference to methods for	140	124
Turbidity	suspension for absorption of Secchi disc method for	29	44
	nephelometric method for	51	9
	standard solution for	103	16
		103	18
Ultraviolet spectrophotometry	a review	30	1
Underwater light	determination of	88	29
Uranium	reference to methods for UV - visible fluorescence measurement of	29	44
	reference to method of analysis for	94	64
		122	12

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Uranium (<i>cont</i>)	by cathodic stripping voltammetry	122	71
	standard solution	122	74
Urea	spectrophotometric method for	87	5
	standard solution	87	8
	continuous method for standard solution	87	14
	continuous method for	87	18
	accuracy of analytical results	87	21
		87	24
Valerate	see index for IC methods for	140	124
Vanadium	reference to method of determination for	1	6
	element characteristics in AAS	20	42
	reference to methods for retention values in IC for	29	44
	dissolution of insoluble residues of	75	72
	reference to method of analysis for	93	17
	by cathodic stripping voltammetry	122	12
	by EAAAS	122	39
	standard solution	123	77
	see index for IC methods for a review	123	80
Visible spectrophotometry		140	124
Volatile fatty acids	see fatty acids	30	1
	standard acid solutions	21	8
	hydroxylamine spectrophotometric method	21	12
Waxes	see oils		
Wildlife	initial preparation prior to analysis	89	21
Wijs' solution	preparation of	78	16
X-ray diffraction	summary of	29	26
X-ray fluorescence lines of elements	table of wavelengths for	94	58
X-ray fluorescence spectrophotometry	review of	1	45
	summary of	29	22
	details of	81	18
	for radioactivity measurements	94	55
Xanthate	HPLC-UV method for	127	7
Xenon	reference to methods for	29	44
2,3-Xylenol	GC-EC pentafluorobenzoyl ester method	124	8
	see phenol	50	15
2,4-Xylenol	GC-EC pentafluorobenzoyl ester method	124	8
	see phenol	50	15
2,5-Xylenol	GC-EC pentafluorobenzoyl ester method	124	8
	see phenol	50	15
2,6-Xylenol	GC-EC pentafluorobenzoyl ester method	124	8
	see phenol	50	15
3,4-Xylenol	GC-EC pentafluorobenzoyl ester method	124	8
	see phenol	50	15
3,5-Xylenol	GC-EC pentafluorobenzoyl ester method	124	8
	see phenol	50	15
Xylenols	GC-EC pentafluorobenzoyl ester method	124	8
	HPLC-UV method for	124	32

<i>Subject</i>	<i>Description</i>	<i>Book Number</i>	<i>Page Number</i>
Ytterbium	reference to method of determination for	1	6
	reference to methods for	29	44
Yttrium	reference to method of determination for	1	6
	reference to methods for	29	44
	see index for IC methods for	140	124
Zinc	element characteristics in AAS	20	42
	reference to methods for	29	44
	AAS method	31	4
	standard solution	31	6
	AAS method for sewage sludge	49	4
	extractable by 0.05M EDTA from soil	71	5
	extractable by 0.5M acetic acid	71	13
	retention values in IC for AAS/HCl-HNO ₃ digestion	75	72
	method for soils	93	8
	dissolution of insoluble residues of	93	17
	AAS/HCl-HNO ₃ digestion method for sewages	93	20
	reference to method of analysis for	122	12
	by cathodic stripping		
	voltammetry	122	49
	in saline waters by		
	APDC-AAS	122	101
	by EAAAS	123	83
	see index for IC methods for	140	124
Zineb	GC-FID method for	127	27
Zirconium	reference to method of determination for	1	6
	element characteristics in AAS	20	42
	reference to methods for	29	44
	dissolution of insoluble residues of	93	17

Glossary of terms used

AAS	Atomic absorption spectrometry/spectrometric
AFS	Atomic fluorescence spectrometry/spectrometric
APDC	Ammonium pyrrolidine dithiocarbamate
BOD	Biochemical oxygen demand
CIE-LAB	International Commission on Illumination L*a*b* values
COD	Chemical oxygen demand
DPD	N-N-diethyl-p-phenylenediamine
EAAAS	Electrothermal atomisation atomic absorption spectrometry
EC	Electron capture
EDTA	Ethylenediaminetetraacetic acid
FIA	Flow injection analysis
FID	Flame ionisation detector
FPD	Flame photometric detector
GC	Gas chromatography/chromatographic
HPLC	High performance liquid chromatography/chromatographic
IC	Ion chromatography/chromatographic
ICP	Inductively coupled plasma
IR	Infrared spectrometry
LTPRI	Linear temperature programmed retention index
MIBK	Methyl isobutyl ketone
MS	Mass spectrometry/spectrometric
NSD	Nitrogen specific detector
OECD	Organisation for Economic Co-operation and Development
PAH	Polynuclear aromatic hydrocarbons
R _f	Retention time
SRT	Sludge retention time
TLC	Thin layer chromatography/chromatographic
UV	Ultraviolet

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