

CONTENTS

List of contents – Volume 1	xi
1 Solid organic adsorbents and chelators	1
1.1 Metal cations	1
1.2 Anions – non-saline waters	39
1.3 Organics	40
1.4 Organometallic compounds	52
References	52
2 Metal oxides and metal adsorbents	60
2.1 Metal cations	60
2.2 Anions	68
2.3 Organics	69
2.4 Organometallic compounds	73
References	74
3 Active carbon adsorbent	77
3.1 Metal cations	77
3.2 Anions	81
3.3 Organics	81
References	89
4 Inorganic and organic coprecipitation techniques	92
4.1 Inorganic coprecipitants – introduction	92
4.2 Inorganic coprecipitants – metal cations	92
4.3 Inorganic coprecipitants – anions	110
4.4 Inorganic coprecipitants – organics	111
4.5 Organic coprecipitants – introduction	112
4.6 Organic coprecipitants – metal cations	113
References	119
5 Solvent extraction of organic and organometallic compounds	124
5.1 Organic compounds – non-saline waters	124
5.2 Organic compounds – sea-water	147
5.3 Organometallic compounds	151
References	152
6 Purge and trap and head-space analysis techniques	162
6.1 Purge and trap techniques	162
6.2 Head-space analysis	179
References	189

7	Miscellaneous preconcentration techniques	195
7.1	Metal cations	195
7.2	Anions	225
7.3	Organics	225
7.4	Organometallic compounds	235
	References	235
	Index	241