

1. Record Nr.	UNINA990002046370403321
Titolo	1. Terrestrial arthropoda other than insects / Harold G. Jackson...[et al.]
Pubbl/distr/stampa	London : British Museum, 1927
Descrizione fisica	p. 1-27 ; 25 cm
Collana	Insects of Samoa and other Samoan terrestrial Arthropoda . 1 ; 8
Disciplina	595.7
Locazione	DAGEN
Collocazione	61 V F.6/187.8.1
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1.: Isopoda terrestria / Harold G. Jackson 2.: Scorpionoidea / A. Kastner 3.: Acarina / Stanley Hirst
2. Record Nr.	UNINA9910780299603321
Titolo	An Assessment of precision time and time interval science and technology [[electronic resource] /] / Committee for an Assessment of Precision Time and Interval Science and Technoloy, Naval Studies Board, Division on Engineering and Physical Sciences, National Research Council of The National Academies
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, c2002
ISBN	0-309-16885-6 1-280-18323-3 9786610183234 0-309-50320-5
Descrizione fisica	1 online resource (88 p.)
Disciplina	529/.7
Soggetti	Time measurements Atomic clocks Naval research - United States
Lingua di pubblicazione	Inglese

Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
3. Record Nr.	UNINA9911019473803321
Titolo	Determination of trace elements // edited by Zeev B. Alfassi
Pubbl/distr/stampa	Rehovot, Israel, : Balaban Publishers Weinheim ; ; New York, : VCH, c1994
ISBN	9786611758776 9781281758774 1281758779 9783527615773 3527615776 9783527615766 3527615768
Descrizione fisica	1 online resource (623 p.)
Altri autori (Persone)	AlfassiZeev B
Disciplina	543
Soggetti	Trace elements - Analysis Trace elements - Speciation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Errata sheet laid in.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Determination of Trace Elements; Contents; 1. Systematic errors in trace analysis; 1.1 Introduction; 1.1.1 General aspects of extreme trace analysis; 1.1.2 Direct instrumental determination methods; 1.1.3 Multi-stage procedures; 1.1.4 Further general important statements; 1.2 Systematic errors and their avoidance; 1.2.1 Volatilization; 1.2.2 Adsorption; 1.2.3 Blanks from vessels, vessel materials and working tools; 1.2.4 Blanks from the reagents; 1.2.5 Blanks from airborne dust; 1.2.6 Contamination by sample handling; 1.2.7 Problems due to changes of the valency state

1.3 Systematic errors during the analytical procedure  
1.3.1 Sampling, sample storage and Pretreatment; 1.3.2 Decomposition; 1.3.3 Separation; 1.4 Basic rules for the recognition and elimination of systematic errors; 1.5 Conclusion; 2. Limits of detection and accuracy in trace elements analysis; 2.1 Introduction; 2.2 Errors in analytical results; 2.3 Accuracy; 2.4 Measuring trace concentrations; 2.5 The problem of detection; 2.5.1 Random error of blank responses; 2.5.2 Errors of the first kind - the critical level (a posteriori detection) 2.5.3 Errors of the second kind - the limit of detection (a priori detection) 2.5.4 Limits to the use of the definitions of  $L_c$  and  $LD$ ; 2.5.5 Regression theory approaches to the problem of detection; 2.6 Practical applications; 2.7 Reporting results at small concentrations; 2.8 Conclusions and recommendations; Sampling and sample preparation; 3.1 Introduction; 3.2 Changes in trace element composition; 3.2.1 Element specific changes; 3.2.2 Sample specific changes; 3.3 Pre-sampling considerations; 3.4 Aspects of sampling; 3.4.1 Establishment of analytical control  
3.4.2 Sampling error in a test portion  
3.4.3 Uniformity of laboratory samples; 3.4.4 Uniformity of subsamples; 3.4.5 The gross sample; 3.5 Sample decomposition; 4. Separation and preconcentration of trace elements; 4.1 Separation and preconcentration of trace elements by coprecipitation; 4.1.1 Introduction; 4.1.2 Mechanism; 4.1.3 Coprecipitation with inorganic precipitants; 4.1.4 Coprecipitation with organic collectors; 4.2 Separation and preconcentration of trace elements by flotation; 4.2.1 Introduction; 4.2.2 Principle; 4.2.3 General procedures  
4.3 Preconcentration and separation of trace elements by solvent extraction  
4.3.1 Introduction; 4.3.2 Extraction of trace elements; 4.4 Separation and preconcentration of trace elements by ion-exchange; 4.4.1 Introduction; 4.4.2 Ion-exchange resins; 4.4.3 Equilibrium and selectivity; 4.4.4 Practical column operation; 4.4.5 Preconcentration; 4.4.6 Ion chromatography; 4.5 Separation and preconcentration by sorption; 4.5.1 Introduction; 4.5.2 Activated carbon; 4.5.3 Porous polymers; 4.5.4 Complex-forming adsorbents; 4.5.5 Natural polymers  
5. Determination of trace elements by atomic absorption spectrometry

---

### Sommario/riassunto

The best way to determine trace elements! This easy-to-use handbook guides the reader through the maze of all modern analytical operations. Each method is described by an expert in the field. The book highlights the advantages and disadvantages of individual techniques and enables pharmacologists, environmentalists, material scientists, and food industry to select a judicious procedure for their trace element analysis.

---