



ELSEVIER

Journal of Chromatography A, 873 (2000) 305–311

JOURNAL OF
CHROMATOGRAPHY A

www.elsevier.com/locate/chroma

Subject Index Vol. 873

Adsorption

The influence of cell adsorbent interactions on protein adsorption in expanded beds 873(2000)195

Adsorption isotherms

Kinetics of solid-phase extraction and solid-phase microextraction in thin adsorbent layer with saturation sorption isotherm 873(2000)39

Albumins

Erratum to: "Modeling and simulation of the dynamic behavior of monoliths. Effect of pore structure from pore network model analysis and comparison with columns packed with porous spherical particles" [J. Chromatogr. A, 865 (1999) 13–25] 873(2000)301

Alcohols

Screening of Brazilian fruit aromas using solid-phase microextraction–gas chromatography–mass spectrometry 873(2000)117

Alkaloids

Simultaneous determination of seven major isosteroidal alkaloids in bulbs of *Fritillaria* by gas chromatography 873(2000)221

Alkanes

Interpreting the gas chromatographic retention of *n*-alkanes 873(2000)209

Amino acids

Isolation of pure (2*S*,1'*S*,2'*S*)-2-(2'-carboxycyclopropyl)glycine from *Blighia sapida* (Akee) 873(2000)283

Amphetamines

Development of a simple in-vial liquid-phase microextraction device for drug analysis compatible with capillary gas chromatography, capillary electrophoresis and high-performance liquid chromatography 873(2000)3

Antibiotics

Characterization of partition and thermodynamic properties of cephalosporins using micellar electrokinetic chromatography in glycodeoxycholic acid solution 873(2000)237

Aroclor 1254

Application of solid-phase microextraction–gas chromatography–mass spectrometry to characterize intermediates in a joint solar–microbial process for total mineralization of Aroclor 1254 873(2000)53

Aroma compounds

Screening of Brazilian fruit aromas using solid-phase microextraction–gas chromatography–mass spectrometry 873(2000)117

Erratum to: "Trace-level determination of polar flavour compounds in butter by solid-phase extraction and gas chromatography–mass spectrometry" [J. Chromatogr. A, 844 (1999) 295–305] 873(2000)299

Arsenic compounds

Speciation of dimethylarsinic acid and monomethylarsonic acid by solid-phase microextraction–gas chromatography–ion trap mass spectrometry 873(2000)129

Automation

Automated in-tube solid-phase microextraction–high-performance liquid chromatography for carbamate pesticide analysis 873(2000)137

Benzene

Development of membrane extraction with a sorbent interface–micro gas chromatography system for field analysis 873(2000)13

Benzodiazepines

Development of a simple in-vial liquid-phase microextraction device for drug analysis compatible with capillary gas chromatography, capillary electrophoresis and high-performance liquid chromatography 873(2000)3

Benzoic acid

Application of solid-phase microextraction–gas chromatography–mass spectrometry to characterize intermediates in a joint solar–microbial process for total mineralization of Aroclor 1254 873(2000)53

Beverages

Gas chromatographic–mass spectrometric analysis of acids and phenols in distilled alcohol beverages. Application of anion-

exchange disk extraction combined with in-vial elution and silylation 873(2000)29

Biphenyl

Application of solid-phase microextraction–gas chromatography–mass spectrometry to characterize intermediates in a joint solar–microbial process for total mineralization of Aroclor 1254 873(2000)53

Blighia sapida

Isolation of pure (2*S*,1'*S*,2'*S*)-2-(2'-carboxycyclopropyl)glycine from *Blighia sapida* (Akee) 873(2000)283

Butter

Erratum to: "Trace-level determination of polar flavour compounds in butter by solid-phase extraction and gas chromatography–mass spectrometry" [J. Chromatogr. A, 844 (1999) 295–305] 873(2000)299

Butyltin

Determination of butyltin species in water and sediment by solid-phase microextraction–gas chromatography–flame ionization detection 873(2000)63

Caffeine

On-line coupling of subcritical water extraction with high-performance liquid chromatography via solid-phase trapping 873(2000)175

Capillary columns

Preparation of various silica-based columns for capillary electrochromatography by in-column derivatization 873(2000)247

Pseudo-electrokinetic packing of high efficiency columns for capillary electrochromatography 873(2000)293

Carbamates

Automated in-tube solid-phase microextraction–high-performance liquid chromatography for carbamate pesticide analysis 873(2000)137

Carbohydrates

Preparation of various silica-based columns for capillary electrochromatography by in-column derivatization 873(2000)247

Carbonyl compounds

Screening of Brazilian fruit aromas using solid-phase microextraction–gas chromatography–mass spectrometry 873(2000)117

Carboxycyclopropylglycine

Isolation of pure (2*S*,1'*S*,2'*S*)-2-(2'-carboxycyclopropyl)glycine from *Blighia sapida* (Akee) 873(2000)283

Cell adhesion

The influence of cell adsorbent interactions on protein adsorption in expanded beds 873(2000)195

Cephalosporins

Characterization of partition and thermodynamic properties of cephalosporins using micellar electrokinetic chromatography in glycocodeoxycholic acid solution 873(2000)237

Chlorine trifluoride

Gas chromatographic analysis of trace impurities in chlorine trifluoride 873(2000)229

Chloroanilines

On-line coupling of subcritical water extraction with high-performance liquid chromatography via solid-phase trapping 873(2000)175

Chlorophenols

On-line coupling of subcritical water extraction with high-performance liquid chromatography via solid-phase trapping 873(2000)175

Clenbuterol

Pseudo-electrokinetic packing of high efficiency columns for capillary electrochromatography 873(2000)293

Column efficiency

Comparison of the repeatability of quantitative data measured in high-performance liquid chromatography with UV and atmospheric pressure chemical ionization mass spectrometric detection 873(2000)163

Computer simulation

Erratum to: "Modeling and simulation of the dynamic behavior of monoliths. Effect of pore structure from pore network model analysis and comparison with columns packed with porous spherical particles" [J. Chromatogr. A, 865 (1999) 13–25] 873(2000)301

Continuous beds

Erratum to: "Modeling and simulation of the dynamic behavior of monoliths. Effect of pore structure from pore network model analysis and comparison with columns packed with porous spherical particles" [J. Chromatogr. A, 865 (1999) 13–25] 873(2000)301

Cotton

Pressurised liquid extraction of pentachlorophenol from dyestuffs and cotton 873(2000)287

Cyclopropaneamino acids

Isolation of pure (2*S*,1'*S*,2'*S*)-2-(2'-carboxycyclopropyl)glycine from *Blighia sapida* (Akee) 873(2000)283

Derivatization, electrochromatography

Preparation of various silica-based columns for capillary electrochromatography by in-column derivatization 873(2000)247

Dermatan sulfate

Analysis of glycosaminoglycan monosaccharides by capillary electrophoresis using indirect laser-induced fluorescence detection 873(2000)269

Detection, electrophoresis

Analysis of glycosaminoglycan monosaccharides by capillary electrophoresis using indirect laser-induced fluorescence detection 873(2000)269

Dimethylarsinic acid

Speciation of dimethylarsinic acid and monomethylarsonic acid by solid-phase microextraction–gas chromatography–ion trap mass spectrometry 873(2000)129

Drugs

Solid-phase microextraction–gas chromatography–mass spectrometry of biologically active substances in water samples 873(2000)95

Dyestuff

Pressurised liquid extraction of pentachlorophenol from dyestuffs and cotton 873(2000)287

Electrochromatography

Preparation of various silica-based columns for capillary electrochromatography by in-column derivatization 873(2000)247

Pseudo-electrokinetic packing of high efficiency columns for capillary electrochromatography 873(2000)293

Environmental analysis

Solid-phase microextraction–gas chromatography–mass spectrometry of biologically active substances in water samples 873(2000)95

Esters

Screening of Brazilian fruit aromas using solid-phase microextraction–gas chromatography–mass spectrometry 873(2000)117

Ethylbenzene

Development of membrane extraction with a sorbent interface–micro gas chromatography system for field analysis 873(2000)13

Expanded bed adsorption

The influence of cell adsorbent interactions on protein adsorption in expanded beds 873(2000)195

Extraction methods

Development of a simple in-vial liquid-phase microextraction device for drug analysis compatible with capillary gas chromatography, capillary electrophoresis and high-performance liquid chromatography 873(2000)3

Development of membrane extraction with a sorbent interface–micro gas chromatography system for field analysis 873(2000)13

Analysis of volatile contaminants in vegetable oils by headspace solid-phase microextraction with Carboxen-based fibres 873(2000)79

Solid-phase microextraction–gas chromatography–mass spectrometry of biologically active substances in water samples 873(2000)95

Development of a headspace solid-phase microextraction procedure for the determination of free volatile fatty acids in waste waters 873(2000)107

Screening of Brazilian fruit aromas using solid-phase microextraction–gas chromatography–mass spectrometry 873(2000)117

Automated in-tube solid-phase microextraction–high-performance liquid chromatography for carbamate pesticide analysis 873(2000)137

On-line coupling of subcritical water extraction with high-performance liquid chromatography via solid-phase trapping 873(2000)175

Fatty acids

Development of a headspace solid-phase microextraction procedure for the determination of free volatile fatty acids in waste waters 873(2000)107

Food analysis

Gas chromatographic–mass spectrometric analysis of acids and phenols in distilled alcohol beverages. Application of anion-exchange disk extraction combined with in-vial elution and silylation 873(2000)29

Erratum to: “Trace-level determination of polar flavour compounds in butter by solid-phase extraction and gas chromatography–mass spectrometry” [J. Chromatogr. A, 844 (1999) 295–305] 873(2000)299

***Fritillaria* spp**

Simultaneous determination of seven major isosteroidal alkaloids in bulbs of *Fritillaria* by gas chromatography 873(2000)221

Fruits

Screening of Brazilian fruit aromas using solid-phase microextraction–gas chromatography–mass spectrometry 873(2000)117

Fullerenes

Novel approach to the analysis and use of fullerenes in capillary electrophoresis 873(2000)257

Gases

Gas chromatographic analysis of trace impurities in chlorine trifluoride 873(2000)229

Glycodeoxycholic acid

Characterization of partition and thermodynamic properties of cephalosporins using micellar electrokinetic chromatography in glycodeoxycholic acid solution 873(2000)237

Glycosaminoglycans

Analysis of glycosaminoglycan monosaccharides by capillary electrophoresis using indirect laser-induced fluorescence detection 873(2000)269

Gradient elution

Novel simulated moving-bed method for reduced solvent consumption 873(2000)149

Headspace analysis

Analysis of volatile contaminants in vegetable oils by headspace solid-phase microextraction with Carboxen-based fibres 873(2000)79

Development of a headspace solid-phase microextraction procedure for the determination of free volatile fatty acids in waste waters 873(2000)107

Screening of Brazilian fruit aromas using solid-phase microextraction–gas chromatography–mass spectrometry 873(2000)117

Hemoglobins

Kinetics of appearance of hemorphins from bovine hemoglobin peptic hydrolysates by a direct coupling of reversed-phase high-performance liquid chromatography and electrospray ionization mass spectrometry 873(2000)185

Hemorphins

Kinetics of appearance of hemorphins from bovine hemoglobin peptic hydrolysates by a direct coupling of reversed-phase high-performance liquid chromatography and electrospray ionization mass spectrometry 873(2000)185

Heparin

Analysis of glycosaminoglycan monosaccharides by capillary electrophoresis using indirect laser-induced fluorescence detection 873(2000)269

Hollow fibers

Development of a simple in-vial liquid-phase microextraction device for drug analysis compatible with capillary gas chromatography, capillary electrophoresis and high-performance liquid chromatography 873(2000)3

Hydroxybiphenyls

Application of solid-phase microextraction–gas chromatography–mass spectrometry to characterize intermediates in a joint solar–microbial process for total mineralization of Aroclor 1254 873(2000)53

Ibuprofen

Solid-phase microextraction–gas chromatography–mass spectrometry of biologically active substances in water samples 873(2000)95

Indirect detection

Analysis of glycosaminoglycan monosaccharides by capillary electrophoresis using indirect laser-induced fluorescence detection 873(2000)269

Interfaces, SPME–HPLC

Automated in-tube solid-phase microextraction–high-performance liquid chromatography for carbamate pesticide analysis 873(2000)137

Insulin

Novel simulated moving-bed method for reduced solvent consumption 873(2000)149

Kinetic studies

Kinetics of solid-phase extraction and solid-phase microextraction in thin adsorbent layer with saturation sorption isotherm 873(2000)39

Kinetics of appearance of hemorphins from bovine hemoglobin peptic hydrolysates by a direct coupling of reversed-phase high-performance liquid chromatography and electrospray ionization mass spectrometry 873(2000)185

Liquid-phase microextraction

Development of a simple in-vial liquid-phase microextraction device for drug analysis compatible with capillary gas chromatography, capillary electrophoresis and high-performance liquid chromatography 873(2000)3

Mass transfer

Erratum to: “Modeling and simulation of the dynamic behavior of monoliths. Effect of pore structure from pore network model analysis and comparison with columns packed with porous spherical particles” [J. Chromatogr. A, 865 (1999) 13–25] 873(2000)301

Mathematical modeling

Kinetics of solid-phase extraction and solid-phase microextraction in thin adsorbent layer with saturation sorption isotherm 873(2000)39

Erratum to: “Modeling and simulation of the dynamic behavior of monoliths. Effect of pore structure from pore network model analysis and comparison with columns packed with porous spherical particles” [J. Chromatogr. A, 865 (1999) 13–25] 873(2000)301

Membrane extraction with a sorbent interface

Development of membrane extraction with a sorbent interface–micro gas chromatography system for field analysis 873(2000)13

Membranes

Development of membrane extraction with a sorbent interface–micro gas chromatography system for field analysis 873(2000)13

Methadone

Pseudo-electrokinetic packing of high efficiency columns for capillary electrochromatography 873(2000)293

Mineralization

Application of solid-phase microextraction–gas chromatography–mass spectrometry to characterize intermediates in a joint solar–microbial process for total mineralization of Aroclor 1254 873(2000)53

Monolithic columns

Erratum to: “Modeling and simulation of the dynamic behavior of monoliths. Effect of pore structure from pore network model analysis and comparison with columns packed with porous spherical particles” [J. Chromatogr. A, 865 (1999) 13–25] 873(2000)301

Monomethylarsonic acid

Speciation of dimethylarsinic acid and monomethylarsonic acid by solid-phase microextraction–gas chromatography–ion trap mass spectrometry 873(2000)129

Monosaccharides

Analysis of glycosaminoglycan monosaccharides by capillary electrophoresis using indirect laser-induced fluorescence detection 873(2000)269

Network model

Erratum to: “Modeling and simulation of the dynamic behavior of monoliths. Effect of pore structure from pore network model analysis and comparison with columns packed with porous spherical particles” [J. Chromatogr. A, 865 (1999) 13–25] 873(2000)301

Nitrogen

Gas chromatographic analysis of trace impurities in chlorine trifluoride 873(2000)229

Nitrotoluenes

On-line coupling of subcritical water extraction with high-performance liquid chromatography via solid-phase trapping 873(2000)175

Nonsteroidal anti-inflammatory drugs

Development of a simple in-vial liquid-phase microextraction device for drug analysis compatible with capillary gas chromatography, capillary electrophoresis and high-performance liquid chromatography 873(2000)3

Solid-phase microextraction–gas chromatography–mass spectrometry of biologically active substances in water samples 873(2000)95

Nystatin

Novel simulated moving-bed method for reduced solvent consumption 873(2000)149

Oils

Analysis of volatile contaminants in vegetable oils by headspace solid-phase microextraction with Carboxen-based fibres 873(2000)79

Opioids

Kinetics of appearance of hemorphins from bovine hemoglobin peptic hydrolysates by a direct coupling of reversed-phase high-performance liquid chromatography and electrospray ionization mass spectrometry 873(2000)185

Organic acids

Gas chromatographic–mass spectrometric analysis of acids and phenols in distilled alcohol beverages. Application of anion-exchange disk extraction combined with in-vial elution and silylation 873(2000)29

Organoarsenic compounds

Speciation of dimethylarsinic acid and monomethylarsonic acid by solid-phase microextraction–gas chromatography–ion trap mass spectrometry 873(2000)129

Organotin compounds

Determination of butyltin species in water and sediment by solid-phase microextraction–gas chromatography–flame ionization detection 873(2000)63

Oxygen

Gas chromatographic analysis of trace impurities in chlorine trifluoride 873(2000)229

Partition coefficients

Characterization of partition and thermodynamic properties of cephalosporins using micellar electrokinetic chromatography in glycylcodeoxycholic acid solution 873(2000)237

Peak area

Comparison of the repeatability of quantitative data measured in high-performance liquid chromatography with UV and atmospheric pressure chemical ionization mass spectrometric detection 873(2000)163

Peptides

Kinetics of appearance of hemorphins from bovine hemoglobin peptic hydrolysates by a direct coupling of reversed-phase high-performance liquid chromatography and electrospray ionization mass spectrometry 873(2000)185

Pentachlorophenol

Pressurised liquid extraction of pentachlorophenol from dyestuffs and cotton 873(2000)287

Pesticides

Automated in-tube solid-phase microextraction–high-performance liquid chromatography for carbamate pesticide analysis 873(2000)137

Phenol

Gas chromatographic–mass spectrometric analysis of acids and phenols in distilled alcohol beverages. Application of anion-exchange disk extraction combined with in-vial elution and silylation 873(2000)29

Pheromones

Use of solid-phase microextraction in the investigation of chemical communication in social wasps 873(2000)73

Polychlorinated biphenyls

On-line coupling of subcritical water extraction with high-performance liquid chromatography via solid-phase trapping 873(2000)175

Polynuclear aromatic hydrocarbons

Novel approach to the analysis and use of fullerenes in capillary electrophoresis 873(2000)257

Pseudo-electrokinetic packing of high efficiency columns for capillary electrochromatography 873(2000)293

Pore connectivity

Erratum to: "Modeling and simulation of the dynamic behavior of monoliths. Effect of pore structure from pore network model analysis and comparison with columns packed with porous spherical particles" [J. Chromatogr. A, 865 (1999) 13–25] 873(2000)301

Pore diffusion

Erratum to: "Modeling and simulation of the dynamic behavior of monoliths. Effect of pore structure from pore network model analysis and comparison with columns packed with porous spherical particles" [J. Chromatogr. A, 865 (1999) 13–25] 873(2000)301

Pore size distribution

Erratum to: "Modeling and simulation of the dynamic behavior of monoliths. Effect of pore structure from pore network model analysis and comparison with columns packed with porous spherical particles" [J. Chromatogr. A, 865 (1999) 13–25] 873(2000)301

Pressurised liquid extraction

Pressurised liquid extraction of pentachlorophenol from dyestuffs and cotton 873(2000)287

Proteins

The influence of cell adsorbent interactions on protein adsorption in expanded beds 873(2000)195

Pseudostationary phases

Novel approach to the analysis and use of fullerenes in capillary electrophoresis 873(2000)257

Repeatability

Comparison of the repeatability of quantitative data measured in high-performance liquid chromatography with UV and atmospheric pressure chemical ionization mass spectrometric detection 873(2000)163

Residence time distribution

The influence of cell adsorbent interactions on protein adsorption in expanded beds 873(2000)195

Retention time

Comparison of the repeatability of quantitative data measured in high-performance liquid chromatography with UV and atmospheric pressure chemical ionization mass spectrometric detection 873(2000)163

Salbutamol

Pseudo-electrokinetic packing of high efficiency columns for capillary electrochromatography 873(2000)293

Sample preparation

Gas chromatographic–mass spectrometric analysis of acids and phenols in distilled alcohol beverages. Application of anion-exchange disk extraction combined with in-vial elution and silylation 873(2000)29

Sediments

Determination of butyltin species in water and sediment by solid-phase microextraction–gas chromatography–flame ionization detection 873(2000)63

Simulated moving-bed chromatography

Novel simulated moving-bed method for reduced solvent consumption 873(2000)149

Solid-phase extraction

Kinetics of solid-phase extraction and solid-phase microextraction in thin adsorbent layer with saturation sorption isotherm 873(2000)39

Solid-phase microextraction

Kinetics of solid-phase extraction and solid-phase microextraction in thin adsorbent layer with saturation sorption isotherm 873(2000)39

Analysis of volatile contaminants in vegetable oils by headspace solid-phase microextraction with Carboxen-based fibres 873(2000)79

Development of a headspace solid-phase microextraction procedure for the determination of free volatile fatty acids in waste waters 873(2000)107

Screening of Brazilian fruit aromas using solid-phase microextraction–gas chromatography–mass spectrometry 873(2000)117

Solid-phase microextraction, in-tube

Automated in-tube solid-phase microextraction–high-performance liquid chromatography for carbamate pesticide analysis 873(2000)137

Solid-phase trapping

On-line coupling of subcritical water extraction with high-performance liquid chromatography via solid-phase trapping 873(2000)175

Sorbent saturation

Kinetics of solid-phase extraction and solid-phase microextraction in thin adsorbent layer with saturation sorption isotherm 873(2000)39

Stationary phases, electrochromatography

Pseudo-electrokinetic packing of high efficiency columns for capillary electrochromatography 873(2000)293

Subcritical water

On-line coupling of subcritical water extraction with high-performance liquid chromatography via solid-phase trapping 873(2000)175

Terpenoids

Screening of Brazilian fruit aromas using solid-phase microextraction–gas chromatography–mass spectrometry 873(2000)117

Thermodynamic parameters

Interpreting the gas chromatographic retention of *n*-alkanes 873(2000)209

Characterization of partition and thermodynamic properties of cephalosporins using micellar electrokinetic chromatography in glycodeoxycholic acid solution 873(2000)237

Thioglycol methylate

Speciation of dimethylarsinic acid and monomethylarsonic acid by solid-phase microextraction–gas chromatography–ion trap mass spectrometry 873(2000)129

Toluene

Development of membrane extraction with a sorbent interface–micro gas chromatography system for field analysis 873(2000)13

Volatile organic components

Analysis of volatile contaminants in vegetable oils by headspace solid-phase microextraction with Carboxen-based fibres 873(2000)79

Volatile organic compounds

Screening of Brazilian fruit aromas using solid-phase microextraction–gas chromatography–mass spectrometry 873(2000)117

Water analysis

Determination of butyltin species in water and sediment by solid-phase microextraction–gas chromatography–flame ionization detection 873(2000)63

Solid-phase microextraction–gas chromatography–mass spectrometry of biologically active substances in water samples 873(2000)95

Development of a headspace solid-phase microextraction procedure for the determination of free volatile fatty acids in waste waters 873(2000)107

Xylenes

Development of membrane extraction with a sorbent interface–micro gas chromatography system for field analysis 873(2000)13