

Journal of Chromatography A, 896 (2000) 385-392

JOURNAL OF CHROMATOGRAPHY A

www.elsevier.com/locate/chroma

Subject Index Vol. 896

Abamectin

Liquid chromatographic determination of emamectin, milbemectin, ivermectin and abamectin in crops and confirmation by liquid chromatography-mass spectrometry 896(2000)75

Acetylcysteine

Quantitative analysis of *N*-acetylcysteine and its pharmacopeial impurities in a pharmaceutical formulation by liquid chromatography–UV detection–mass spectrometry 896(2000)191

Air analysis

Cryogen free automated gas chromatography for the measurement of ambient volatile organic compounds 896(2000)31

Identification of the oxidation products of the reaction between α -pinene and hydroxyl radicals by gas and high-performance liquid chromatography with mass spectrometric detection 896(2000)135

Alachlor

Optimisation of alachlor solid-phase microextraction from water samples using experimental design 896(2000)373

Allium spp

Possible interest of various sample transfer techniques for fast gas chromatography-mass spectrometric analysis of true onion volatiles 896(2000)117

Amines

Surface-ionization methods and devices of indication and identification of nitrogen-containing base molecules 896(2000)3

Amines, aromatic

Optimization of parameters for the analysis of aromatic amines in finger-paints 896(2000)291

Amino acids

Screening of homocysteine from newborn blood spots by highperformance liquid chromatography with coulometric array detection 896(2000)183 Quantitative analysis of *N*-acetylcysteine and its pharmacopeial impurities in a pharmaceutical formulation by liquid chromatography–UV detection–mass spectrometry 896(2000)191

Parameter optimization for the analysis of underivatized protein amino acids by liquid chromatography and ionspray tandem mass spectrometry 896(2000)253

Analysis of the enzymatic racemization of D-aspartic acid to L-aspartic acid by the on-line coupling of a solid-phase extraction column and a ligand-exchange high-performance liquid chromatography column 896(2000)299

Determination of 1-aminocyclopropane-1-carboxylic acid and its structural analogue by liquid chromatography and ion spray tandem mass spectrometry 896(2000)335

Amino alcohols

Determination of the enantiomers of 3-*tert*.-butylamino-1,2propanediol by high-performance liquid chromatography using mass spectrometric detection 896(2000)201

Aminobiphenyl

Optimization of parameters for the analysis of aromatic amines in finger-paints 896(2000)291

Aminocyclopropanecarboxylic acid

Determination of 1-aminocyclopropane-1-carboxylic acid and its structural analogue by liquid chromatography and ion spray tandem mass spectrometry 896(2000)335

Amphetamines

Determination of amphetamine and methamphetamine in serum via headspace derivatization solid-phase microextraction-gas chromatography-mass spectrometry 896(2000)265

Apples

Determination of 1-aminocyclopropane-1-carboxylic acid and its structural analogue by liquid chromatography and ion spray tandem mass spectrometry 896(2000)335

Aroma compounds

Characterisation of whiskeys using solid-phase microextraction with gas chromatography-mass spectrometry 896(2000)351

0021-9673/00/\$ – see front matter © 2000 Elsevier Science B.V. All right reserved PII: S0021-9673(00)00906-7

Characterization of odorant compounds of mussels (*Mytilus* edulis) according to their origin using gas chromatography–olfactometry and gas chromatography–mass spectrometry 896(2000)361

Aspartic acid

Analysis of the enzymatic racemization of D-aspartic acid to L-aspartic acid by the on-line coupling of a solid-phase extraction column and a ligand-exchange high-performance liquid chromatography column 896(2000)299

Automation

Cryogen free automated gas chromatography for the measurement of ambient volatile organic compounds 896(2000)31

On-line coupling of solid-phase extraction to gas chromatography with fast solvent vaporization and concentration in an open injector liner. Analysis of pesticides in aqueous samples 896(2000)41

On-line automated high-performance liquid chromatographic determination of total riboflavin phosphates using immobilized acid phosphatase as a pre-column reactor 896(2000)171

Benzidine

Optimization of parameters for the analysis of aromatic amines in finger-paints 896(2000)291

Benzodiazepines

Use of chiral liquid chromatography-tandem mass spectrometry to investigate the metabolism of racemic cholecystokinin-B antagonists 896(2000)217

Beverages

Characterisation of whiskeys using solid-phase microextraction with gas chromatography-mass spectrometry 896(2000)351

Buffer composition

Highly selective and efficient determination of US Environmental Protection Agency priority phenols employing solid-phase extraction and non-aqueous capillary electrophoresis 896(2000)95

Butter

Determination of cholesterol oxides in processed food using high-performance liquid chromatography-mass spectrometry with atmospheric pressure chemical ionisation 896(2000)321

Butylaminopropanediol

Determination of the enantiomers of 3-*tert*.-butylamino-1,2propanediol by high-performance liquid chromatography using mass spectrometric detection 896(2000)201

Capsicum frutescens

Separation and quantitation of colour pigments of chili powder (*Capsicum frutescens*) by high-performance liquid chromatography-diode array detection 896(2000)69

Carboxylic acids

Determination of 1-aminocyclopropane-1-carboxylic acid and its structural analogue by liquid chromatography and ion spray tandem mass spectrometry 896(2000)335

Chemometrics

Improved routine speciation of organotin compounds in environmental samples by pulsed flame photometric detection 896(2000)149

Chlorophenols

Highly selective and efficient determination of US Environmental Protection Agency priority phenols employing solid-phase extraction and non-aqueous capillary electrophoresis 896(2000)95

Capillary electrophoresis-electrospray ion-trap mass spectrometry for the separation of chlorophenols 896(2000)125

Comparison of different sorbent materials for *on-line* solidphase extraction with liquid chromatography–atmospheric pressure chemical ionization mass spectrometry of phenols 896(2000)159

Chlorophenoxy acids

Analysis of chlorophenoxy acid herbicides in water by largevolume on-line derivatization and gas chromatography-mass spectrometry 896(2000)111

Chlorothalonil

Determination of aqueous chlorothalonil with solid-phase microextraction and gas chromatography 896(2000)105

Chlorotoluidine

Optimization of parameters for the analysis of aromatic amines in finger-paints 896(2000)291

Cholecystokinins

Use of chiral liquid chromatography-tandem mass spectrometry to investigate the metabolism of racemic cholecystokinin-B antagonists 896(2000)217

Cholesterol oxides

Determination of cholesterol oxides in processed food using high-performance liquid chromatography-mass spectrometry with atmospheric pressure chemical ionisation 896(2000)321

Column switching

Analysis of the enzymatic racemization of D-aspartic acid to L-aspartic acid by the on-line coupling of a solid-phase extraction column and a ligand-exchange high-performance liquid chromatography column 896(2000)299

Analysis of phenols in pyrolysis oils by gel permeation chromatography and multidimensional liquid chromatography 896(2000)343

Cryogenic trapping

Possible interest of various sample transfer techniques for fast gas chromatography-mass spectrometric analysis of true onion volatiles 896(2000)117

Cyclopropanedicarboxylic acid

Determination of 1-aminocyclopropane-1-carboxylic acid and its structural analogue by liquid chromatography and ion spray tandem mass spectrometry 896(2000)335

Cysteine

Quantitative analysis of *N*-acetylcysteine and its pharmacopeial impurities in a pharmaceutical formulation by liquid chromatography–UV detection–mass spectrometry 896(2000)191

Cystine

Quantitative analysis of *N*-acetylcysteine and its pharmacopeial impurities in a pharmaceutical formulation by liquid chromatography–UV detection–mass spectrometry 896(2000)191

Deramciclane

Determination of deramciclane and *N*-desmethylderamciclane in human plasma by liquid chromatography-tandem mass spectrometry using off-line robotic sample pretreatment 896(2000)279

Derivation, GC

Analysis of chlorophenoxy acid herbicides in water by largevolume on-line derivatization and gas chromatography-mass spectrometry 896(2000)111

Derivatization, SFE

Simultaneous supercritical fluid derivatization and extraction of formaldehyde by the Hantzsch reaction 896(2000)51

Desmethylderamciclane

Determination of deramciclane and *N*-desmethylderamciclane in human plasma by liquid chromatography-tandem mass spectrometry using off-line robotic sample pretreatment 896(2000)279

Detection, GC

Surface-ionization methods and devices of indication and identification of nitrogen-containing base molecules 896(2000)3

Improved routine speciation of organotin compounds in environmental samples by pulsed flame photometric detection 896(2000)149

Characterization of odorant compounds of mussels (*Mytilus* edulis) according to their origin using gas chromatography– olfactometry and gas chromatography–mass spectrometry 896(2000)361

Detection, LC

Screening of homocysteine from newborn blood spots by highperformance liquid chromatography with coulometric array detection 896(2000)183

Diacetylcysteine

Quantitative analysis of *N*-acetylcysteine and its pharmacopeial impurities in a pharmaceutical formulation by liquid chromatography–UV detection–mass spectrometry 896(2000)191

Diacetylcystine

Quantitative analysis of *N*-acetylcysteine and its pharmacopeial impurities in a pharmaceutical formulation by liquid chromatography–UV detection–mass spectrometry 896(2000)191

Dinitrophenylhydrazones

Identification of the oxidation products of the reaction between α -pinene and hydroxyl radicals by gas and high-performance liquid chromatography with mass spectrometric detection 896(2000)135

Electrochemical detection

Screening of homocysteine from newborn blood spots by highperformance liquid chromatography with coulometric array detection 896(2000)183

Ellagic acid

High-performance liquid chromatographic determination with photodiode array detection of ellagic acid in fresh and processed fruits 896(2000)87

Emamectin

Liquid chromatographic determination of emamectin, milbemectin, ivermectin and abamectin in crops and confirmation by liquid chromatography-mass spectrometry 896(2000)75

Enantiomer separation

Determination of the enantiomers of 3-*tert*.-butylamino-1,2propanediol by high-performance liquid chromatography using mass spectrometric detection 896(2000)201

Use of chiral liquid chromatography-tandem mass spectrometry to investigate the metabolism of racemic cholecystokinin-B antagonists 896(2000)217

Determination of the in vitro metabolism of (+)- and (-)-epibatidine 896(2000)229

Analysis of the enzymatic racemization of D-aspartic acid to L-aspartic acid by the on-line coupling of a solid-phase extraction column and a ligand-exchange high-performance liquid chromatography column 896(2000)299

Environmental analysis

Cryogen free automated gas chromatography for the measurement of ambient volatile organic compounds 896(2000)31

On-line coupling of solid-phase extraction to gas chromatography with fast solvent vaporization and concentration in an open injector liner. Analysis of pesticides in aqueous samples 896(2000)41

Determination of aqueous chlorothalonil with solid-phase microextraction and gas chromatography 896(2000)105

Analysis of chlorophenoxy acid herbicides in water by largevolume on-line derivatization and gas chromatography-mass spectrometry 896(2000)111

Improved routine speciation of organotin compounds in environmental samples by pulsed flame photometric detection 896(2000)149

Enzymes

On-line automated high-performance liquid chromatographic determination of total riboflavin phosphates using immobilized acid phosphatase as a pre-column reactor 896(2000)171

Epibatidine

Determination of the in vitro metabolism of (+)- and (-)-epibatidine 896(2000)229

Experimental design

Improved routine speciation of organotin compounds in environmental samples by pulsed flame photometric detection 896(2000)149

Optimisation of alachlor solid-phase microextraction from water samples using experimental design 896(2000)373

Extraction methods

Simultaneous supercritical fluid derivatization and extraction of formaldehyde by the Hantzsch reaction 896(2000)51

Possible interest of various sample transfer techniques for fast gas chromatography-mass spectrometric analysis of true onion volatiles 896(2000)117

Optimization of parameters for the analysis of aromatic amines in finger-paints 896(2000)291

Factorial design

Simultaneous supercritical fluid derivatization and extraction of formaldehyde by the Hantzsch reaction 896(2000)51

Optimization of parameters for the analysis of aromatic amines in finger-paints 896(2000)291

Optimisation of alachlor solid-phase microextraction from water samples using experimental design 896(2000)373

Fatty acid esters

Combined liquid and gas chromatographic characterisation of polyglycerol fatty acid esters 896(2000)239

Flame photometric detection

Improved routine speciation of organotin compounds in environmental samples by pulsed flame photometric detection 896(2000)149

Food

Separation and quantitation of colour pigments of chili powder (*Capsicum frutescens*) by high-performance liquid chromatography-diode array detection 896(2000)69

Liquid chromatographic determination of emamectin, milbemectin, ivermectin and abamectin in crops and confirmation by liquid chromatography-mass spectrometry 896(2000)75

High-performance liquid chromatographic determination with photodiode array detection of ellagic acid in fresh and processed fruits 896(2000)87

Food analysis

Determination of cholesterol oxides in processed food using high-performance liquid chromatography-mass spectrometry with atmospheric pressure chemical ionisation 896(2000)321

Determination of 1-aminocyclopropane-1-carboxylic acid and its structural analogue by liquid chromatography and ion spray tandem mass spectrometry 896(2000)335

Characterisation of whiskeys using solid-phase microextraction with gas chromatography-mass spectrometry 896(2000)351

Characterization of odorant compounds of mussels (*Mytilus* edulis) according to their origin using gas chromatography– olfactometry and gas chromatography–mass spectrometry 896(2000)361

Forensic analysis

Comparison of phenyl-type columns in the development of a fast liquid chromatographic system for eighteen opiates commonly found in forensic toxicology 896(2000)311

Formaldehyde

Simultaneous supercritical fluid derivatization and extraction of formaldehyde by the Hantzsch reaction 896(2000)51

Glycerols

Combined liquid and gas chromatographic characterisation of polyglycerol fatty acid esters 896(2000)239

Hantzsch reaction

Simultaneous supercritical fluid derivatization and extraction of formaldehyde by the Hantzsch reaction 896(2000)51

Homocysteine

Screening of homocysteine from newborn blood spots by highperformance liquid chromatography with coulometric array detection 896(2000)183

388

Hormones

Use of chiral liquid chromatography-tandem mass spectrometry to investigate the metabolism of racemic cholecystokinin-B antagonists 896(2000)217

Hydroxyl radicals

Identification of the oxidation products of the reaction between α -pinene and hydroxyl radicals by gas and high-performance liquid chromatography with mass spectrometric detection 896(2000)135

Immobilized enzymes

On-line automated high-performance liquid chromatographic determination of total riboflavin phosphates using immobilized acid phosphatase as a pre-column reactor 896(2000)171

Injection methods

Analysis of chlorophenoxy acid herbicides in water by largevolume on-line derivatization and gas chromatography-mass spectrometry 896(2000)111

Instrumentation

Surface-ionization methods and devices of indication and identification of nitrogen-containing base molecules 896(2000)3

Insulin

Quantitative analysis of urinary C-peptide by liquid chromatography-tandem mass spectrometry with a stable isotopically labelled internal standard 896(2000)275

Interfaces, SPE-GC

On-line coupling of solid-phase extraction to gas chromatography with fast solvent vaporization and concentration in an open injector liner. Analysis of pesticides in aqueous samples 896(2000)41

Ivermectin

Liquid chromatographic determination of emamectin, milbemectin, ivermectin and abamectin in crops and confirmation by liquid chromatography-mass spectrometry 896(2000)75

Large-volume injection

Analysis of chlorophenoxy acid herbicides in water by largevolume on-line derivatization and gas chromatography-mass spectrometry 896(2000)111

Ligand-exchange chromatography

Analysis of the enzymatic racemization of D-aspartic acid to L-aspartic acid by the on-line coupling of a solid-phase extraction column and a ligand-exchange high-performance liquid chromatography column 896(2000)299

Mass spectrometry

Parameter optimization for the analysis of underivatized protein amino acids by liquid chromatography and ionspray tandem mass spectrometry 896(2000)253

Matrix-assisted laser desorption/ionization mass spectrometry

Off-line size-exclusion chromatographic fractionation-matrixassisted laser desorption ionization time-of-flight mass spectrometry for polymer characterization. Theoretical and experimental study 896(2000)19

Methamphetamine

Determination of amphetamine and methamphetamine in serum via headspace derivatization solid-phase microextraction-gas chromatography-mass spectrometry 896(2000)265

Methylformamide

Highly selective and efficient determination of US Environmental Protection Agency priority phenols employing solid-phase extraction and non-aqueous capillary electrophoresis 896(2000)95

Milbemectin

Liquid chromatographic determination of emamectin, milbemectin, ivermectin and abamectin in crops and confirmation by liquid chromatography-mass spectrometry 896(2000)75

Molecular mass

Off-line size-exclusion chromatographic fractionation-matrixassisted laser desorption ionization time-of-flight mass spectrometry for polymer characterization. Theoretical and experimental study 896(2000)19

Mytilus edulis

Characterization of odorant compounds of mussels (*Mytilus* edulis) according to their origin using gas chromatography–olfactometry and gas chromatography–mass spectrometry 896(2000)361

Naphthylamine

Optimization of parameters for the analysis of aromatic amines in finger-paints 896(2000)291

Nitrophenols

Highly selective and efficient determination of US Environmental Protection Agency priority phenols employing solid-phase extraction and non-aqueous capillary electrophoresis 896(2000)95

Comparison of different sorbent materials for *on-line* solidphase extraction with liquid chromatography–atmospheric pressure chemical ionization mass spectrometry of phenols 896(2000)159

Non-aqueous capillary electrophoresis

Highly selective and efficient determination of US Environmental Protection Agency priority phenols employing solid-phase extraction and non-aqueous capillary electrophoresis 896(2000)95

Oils

Determination of cholesterol oxides in processed food using high-performance liquid chromatography-mass spectrometry with atmospheric pressure chemical ionisation 896(2000)321

Analysis of phenols in pyrolysis oils by gel permeation chromatography and multidimensional liquid chromatography 896(2000)343

Olfactometry

Characterization of odorant compounds of mussels (*Mytilus* edulis) according to their origin using gas chromatography– olfactometry and gas chromatography–mass spectrometry 896(2000)361

Opiates

Comparison of phenyl-type columns in the development of a fast liquid chromatographic system for eighteen opiates commonly found in forensic toxicology 896(2000)311

Opioids

Surface-ionization methods and devices of indication and identification of nitrogen-containing base molecules 896(2000)3

Optimization

Optimization of parameters for the analysis of aromatic amines in finger-paints 896(2000)291

Organotin compounds

Improved routine speciation of organotin compounds in environmental samples by pulsed flame photometric detection 896(2000)149

C-Peptide

Quantitative analysis of urinary C-peptide by liquid chromatography-tandem mass spectrometry with a stable isotopically labelled internal standard 896(2000)275

Peptides

Use of chiral liquid chromatography-tandem mass spectrometry to investigate the metabolism of racemic cholecystokinin-B antagonists 896(2000)217

Quantitative analysis of urinary C-peptide by liquid chromatography-tandem mass spectrometry with a stable isotopically labelled internal standard 896(2000)275

Pesticides

On-line coupling of solid-phase extraction to gas chromatography with fast solvent vaporization and concentration in an open injector liner. Analysis of pesticides in aqueous samples 896(2000)41

Liquid chromatographic determination of emamectin, milbemectin, ivermectin and abamectin in crops and confirmation by liquid chromatography-mass spectrometry 896(2000)75 Determination of aqueous chlorothalonil with solid-phase microextraction and gas chromatography 896(2000)105

Analysis of chlorophenoxy acid herbicides in water by largevolume on-line derivatization and gas chromatography-mass spectrometry 896(2000)111

Optimisation of alachlor solid-phase microextraction from water samples using experimental design 896(2000)373

Pharmaceutical analysis

Quantitative analysis of *N*-acetylcysteine and its pharmacopeial impurities in a pharmaceutical formulation by liquid chromatography–UV detection–mass spectrometry 896(2000)191

Use of chiral liquid chromatography-tandem mass spectrometry to investigate the metabolism of racemic cholecystokinin-B antagonists 896(2000)217

Phenols

Highly selective and efficient determination of US Environmental Protection Agency priority phenols employing solid-phase extraction and non-aqueous capillary electrophoresis 896(2000)95

Capillary electrophoresis-electrospray ion-trap mass spectrometry for the separation of chlorophenols 896(2000)125

Comparison of different sorbent materials for *on-line* solidphase extraction with liquid chromatography–atmospheric pressure chemical ionization mass spectrometry of phenols 896(2000)159

Analysis of phenols in pyrolysis oils by gel permeation chromatography and multidimensional liquid chromatography 896(2000)343

Phenoxy acids

Analysis of chlorophenoxy acid herbicides in water by largevolume on-line derivatization and gas chromatography-mass spectrometry 896(2000)111

Phosphatases

On-line automated high-performance liquid chromatographic determination of total riboflavin phosphates using immobilized acid phosphatase as a pre-column reactor 896(2000)171

Phosphates

On-line automated high-performance liquid chromatographic determination of total riboflavin phosphates using immobilized acid phosphatase as a pre-column reactor 896(2000)171

Pigments

Colour pigments of *Trichoderma harzianum*. Preliminary investigations with thin-layer chromatography–Fourier transform infrared spectroscopy and high-performance liquid chromatography with diode array and mass spectrometric detection 896(2000)61

390

Separation and quantitation of colour pigments of chili powder (*Capsicum frutescens*) by high-performance liquid chromatography-diode array detection 896(2000)69

Pinenes

Identification of the oxidation products of the reaction between α -pinene and hydroxyl radicals by gas and high-performance liquid chromatography with mass spectrometric detection 896(2000)135

Polydispersity

Off-line size-exclusion chromatographic fractionation-matrixassisted laser desorption ionization time-of-flight mass spectrometry for polymer characterization. Theoretical and experimental study 896(2000)19

Polyglycerols

Combined liquid and gas chromatographic characterisation of polyglycerol fatty acid esters 896(2000)239

Polymers

Off-line size-exclusion chromatographic fractionation-matrixassisted laser desorption ionization time-of-flight mass spectrometry for polymer characterization. Theoretical and experimental study 896(2000)19

Pulsed flame photometric detection

Improved routine speciation of organotin compounds in environmental samples by pulsed flame photometric detection 896(2000)149

Pyrolysis oils

Analysis of phenols in pyrolysis oils by gel permeation chromatography and multidimensional liquid chromatography 896(2000)343

Riboflavin phosphates

On-line automated high-performance liquid chromatographic determination of total riboflavin phosphates using immobilized acid phosphatase as a pre-column reactor 896(2000)171

Sample handling

Determination of deramciclane and *N*-desmethylderamciclane in human plasma by liquid chromatography-tandem mass spectrometry using off-line robotic sample pretreatment 896(2000)279

Sample preparation

Quantitative determination of α -, β -, γ - and δ -tocopherols in human serum by high-performance liquid chromatography and gas chromatography-mass spectrometry as trimethylsilyl derivatives with a two-step sample preparation 896(2000)209

Analysis of phenols in pyrolysis oils by gel permeation chromatography and multidimensional liquid chromatography 896(2000)343

Size-exclusion chromatography

Off-line size-exclusion chromatographic fractionation-matrixassisted laser desorption ionization time-of-flight mass spectrometry for polymer characterization. Theoretical and experimental study 896(2000)19

Solid-phase extraction

Comparison of different sorbent materials for *on-line* solidphase extraction with liquid chromatography–atmospheric pressure chemical ionization mass spectrometry of phenols 896(2000)159

Analysis of the enzymatic racemization of D-aspartic acid to L-aspartic acid by the on-line coupling of a solid-phase extraction column and a ligand-exchange high-performance liquid chromatography column 896(2000)299

Solid-phase microextraction

Characterisation of whiskeys using solid-phase microextraction with gas chromatography-mass spectrometry 896(2000)351

Sorbents

Comparison of different sorbent materials for *on-line* solidphase extraction with liquid chromatography–atmospheric pressure chemical ionization mass spectrometry of phenols 896(2000)159

Stationary phases, LC

Comparison of phenyl-type columns in the development of a fast liquid chromatographic system for eighteen opiates commonly found in forensic toxicology 896(2000)311

Supercritical fluid derivatization and extraction

Simultaneous supercritical fluid derivatization and extraction of formaldehyde by the Hantzsch reaction 896(2000)51

Surface ionization detection

Surface-ionization methods and devices of indication and identification of nitrogen-containing base molecules 896(2000)3

Thiopropanal-S-oxide

Possible interest of various sample transfer techniques for fast gas chromatography-mass spectrometric analysis of true onion volatiles 896(2000)117

Thiosulfinates

Possible interest of various sample transfer techniques for fast gas chromatography-mass spectrometric analysis of true onion volatiles 896(2000)117

Tocopherols

Quantitative determination of α -, β -, γ - and δ -tocopherols in human serum by high-performance liquid chromatography and gas chromatography–mass spectrometry as trimethylsilyl derivatives with a two-step sample preparation 896(2000)209

Trichoderma harzianum

Colour pigments of *Trichoderma harzianum*. Preliminary investigations with thin-layer chromatography–Fourier transform infrared spectroscopy and high-performance liquid chromatography with diode array and mass spectrometric detection 896(2000)61

Validation

Quantitative analysis of *N*-acetylcysteine and its pharmacopeial impurities in a pharmaceutical formulation by liquid chromatography–UV detection–mass spectrometry 896(2000)191

Determination of deramciclane and *N*-desmethylderamciclane in human plasma by liquid chromatography-tandem mass spectrometry using off-line robotic sample pretreatment 896(2000)279

Vitamins

Quantitative determination of α -, β -, γ - and δ -tocopherols in human serum by high-performance liquid chromatography and gas chromatography–mass spectrometry as trimethylsilyl derivatives with a two-step sample preparation 896(2000)209

Volatile organic compounds

Cryogen free automated gas chromatography for the measurement of ambient volatile organic compounds 896(2000)31

Characterisation of whiskeys using solid-phase microextraction with gas chromatography-mass spectrometry 896(2000)351

Characterization of odorant compounds of mussels (*Mytilus* edulis) according to their origin using gas chromatography–olfactometry and gas chromatography–mass spectrometry 896(2000)361

Water analysis

On-line coupling of solid-phase extraction to gas chromatography with fast solvent vaporization and concentration in an open injector liner. Analysis of pesticides in aqueous samples 896(2000)41

Determination of aqueous chlorothalonil with solid-phase microextraction and gas chromatography 896(2000)105

Analysis of chlorophenoxy acid herbicides in water by largevolume on-line derivatization and gas chromatography-mass spectrometry 896(2000)111

Improved routine speciation of organotin compounds in environmental samples by pulsed flame photometric detection 896(2000)149

Comparison of different sorbent materials for *on-line* solidphase extraction with liquid chromatography–atmospheric pressure chemical ionization mass spectrometry of phenols 896(2000)159

Optimisation of alachlor solid-phase microextraction from water samples using experimental design 896(2000)373

392