



ELSEVIER

Journal of Chromatography A, 963 (2002) 439–448

JOURNAL OF
CHROMATOGRAPHY A

www.elsevier.com/locate/chroma

Subject Index Vol. 963

Adipates

Application of on-line solid-phase extraction–gas chromatography–mass spectrometry to the determination of endocrine disruptors in water samples 963(2002)287

Determination of adipate plasticizers in poly(vinyl chloride) by microwave-assisted extraction 963(2002)401

Air analysis

Dynamic versus static sampling for the quantitative analysis of volatile organic compounds in air with polydimethylsiloxane–Carboxen solid-phase microextraction fibers 963(2002)49

Quantification of volatile sulfur compounds in complex gaseous matrices by solid-phase microextraction 963(2002)57

Determination of polychlorinated biphenyl compounds in indoor air samples 963(2002)65

Alachlor

Rapid trace analysis of alachlor in water and vegetable samples 963(2002)125

Alkyl benzenesulfonates, linear

Determination of toxic compounds in paper-recycling process waters by gas chromatography–mass spectrometry and liquid chromatography–mass spectrometry 963(2002)265

Alkyl-diol silica columns

Bio-compatible in-tube solid-phase microextraction capillary for the direct extraction and high-performance liquid chromatographic determination of drugs in human serum 963(2002)325

Alkylphenols

Optimization of a derivatization–solid-phase microextraction method for the analysis of thirty phenolic pollutants in water samples 963(2002)137

Alkyl sulfides

Determination of volatile alkyl sulfides in wastewater by headspace solid-phase microextraction followed by gas chromatography–mass spectrometry 963(2002)249

Allium spp

Aroma analysis of fresh and preserved onions and leek by dual solid-phase microextraction–liquid extraction and gas chromatography–mass spectrometry 963(2002)89

Amines, aromatic

Liquid–liquid–liquid microextraction of aromatic amines from water samples combined with high-performance liquid chromatography 963(2002)231

Analysis of aromatic amines in water samples by liquid–liquid–liquid microextraction with hollow fibers and high-performance liquid chromatography 963(2002)239

Anatoxins

Analysis of anatoxin-a in aqueous samples by solid-phase microextraction coupled to high-performance liquid chromatography with fluorescence detection and on-fiber derivatization 963(2002)295

Antidepressants

Liquid-phase microextraction combined with capillary electrophoresis, a promising tool for the determination of chiral drugs in biological matrices 963(2002)303

Aroma compounds

Monitoring volatile compounds during dry-cured ham ripening by solid-phase microextraction coupled to a new direct-extraction device 963(2002)83

Atomic emission detection

Rapid determination of butyltin species in water samples by multicapillary gas chromatography with atomic emission detection following headspace solid-phase microextraction 963(2002)195

Atomic emission spectrometry

Methylmercury determination in biological samples by derivatization, solid-phase microextraction and gas chromatography with microwave-induced plasma atomic emission spectrometry 963(2002)313

Azaspiracids

Comparison of solid-phase extraction methods for the determination of azaspiracids in shellfish by liquid chromatography–electrospray mass spectrometry 963(2002)353

Azo dyes

Optimization of the extraction of azo colorants used in toy products 963(2002)427

Benzodiazepines

Bio-compatible in-tube solid-phase microextraction capillary for the direct extraction and high-performance liquid chromatographic determination of drugs in human serum 963(2002)325

Bisphenol A

Determination of toxic compounds in paper-recycling process waters by gas chromatography–mass spectrometry and liquid chromatography–mass spectrometry 963(2002)265

Determination of bisphenol-type contaminants from food packaging materials in aqueous foods by solid-phase microextraction–high-performance liquid chromatography 963(2002)375

Bisphenol F

Determination of bisphenol-type contaminants from food packaging materials in aqueous foods by solid-phase microextraction–high-performance liquid chromatography 963(2002)375

Butyltin

Rapid determination of butyltin species in water samples by multicapillary gas chromatography with atomic emission detection following headspace solid-phase microextraction 963(2002)195

Carbofuran

Comparison of solid-phase extraction and solid-phase microextraction for carbofuran in water analyzed by high-performance liquid chromatography–photodiode-array detection 963(2002)117

Chemometrics

Optimization of parameters for the supercritical fluid extraction in the determination of N-nitrosamines in rubbers 963(2002)419

Chlorophenols

Optimization of a derivatization–solid-phase microextraction method for the analysis of thirty phenolic pollutants in water samples 963(2002)137

Chromium

Chemically facilitated chromium(VI) transport throughout an anion-exchange membrane. Application to an optical sensor for chromium(VI) monitoring 963(2002)205

Cold-vapour atomic fluorescence spectrometry

Determination of methylmercury in human hair by ethylation followed by headspace solid-phase microextraction–gas chromatography–cold-vapour atomic fluorescence spectrometry 963(2002)345

Cresols

Optimization of a derivatization–solid-phase microextraction method for the analysis of thirty phenolic pollutants in water samples 963(2002)137

Detection, GC

Rapid determination of butyltin species in water samples by multicapillary gas chromatography with atomic emission detection following headspace solid-phase microextraction 963(2002)195

Determination of methylmercury in human hair by ethylation followed by headspace solid-phase microextraction–gas chromatography–cold-vapour atomic fluorescence spectrometry 963(2002)345

Dialysis

Chemically facilitated chromium(VI) transport throughout an anion-exchange membrane. Application to an optical sensor for chromium(VI) monitoring 963(2002)205

Dibromonitripropionamide

Determination of toxic compounds in paper-recycling process waters by gas chromatography–mass spectrometry and liquid chromatography–mass spectrometry 963(2002)265

Diethylhexyl adipate

Determination of adipate plasticizers in poly(vinyl chloride) by microwave-assisted extraction 963(2002)401

Diterpenoids

Determination of toxic compounds in paper-recycling process waters by gas chromatography–mass spectrometry and liquid chromatography–mass spectrometry 963(2002)265

Enantiomer separations

Liquid-phase microextraction combined with capillary electrophoresis, a promising tool for the determination of chiral drugs in biological matrices 963(2002)303

Endocrine disruptors

Application of on-line solid-phase extraction–gas chromatography–mass spectrometry to the determination of endocrine disruptors in water samples 963(2002)287

Environmental analysis

Comparison of different coatings in solid-phase microextraction for the determination of organochlorine pesticides in ground water 963(2002)95

Application of solid-phase microextraction in the monitoring of priority pesticides in the Kalamas River (N.W. Greece) 963(2002)107

Rapid trace analysis of alachlor in water and vegetable samples 963(2002)125

Universal screening method for the determination of US Environmental Protection Agency phenols at the lower ng l^{-1} level in water samples by on-line solid-phase extraction–high-performance liquid chromatography–atmospheric pressure chemical ionization mass spectrometry within a single run 963(2002)149

Solid-phase extraction for the simultaneous preconcentration of organic (selenocystine) and inorganic [Se(IV), Se(VI)] selenium in natural waters 963(2002)185

Rapid determination of butyltin species in water samples by multicapillary gas chromatography with atomic emission detection following headspace solid-phase microextraction 963(2002)195

Liquid–liquid–liquid microextraction of aromatic amines from water samples combined with high-performance liquid chromatography 963(2002)231

Determination of toxic compounds in paper-recycling process waters by gas chromatography–mass spectrometry and liquid chromatography–mass spectrometry 963(2002)265

Application of on-line solid-phase extraction–gas chromatography–mass spectrometry to the determination of endocrine disruptors in water samples 963(2002)287

Detection of explosives and their degradation products in soil environments 963(2002)411

Esters

Determination of esters in dry and sweet white wines by headspace solid-phase microextraction and gas chromatography 963(2002)213

Ethoxylates

Development of a solid-phase microextraction method for the determination of short-ethoxy-chain nonylphenols and their brominated analogs in raw and treated water 963(2002)159

Experimental design

Optimization of headspace solid-phase microextraction by means of an experimental design for the determination of methyl *tert.*-butyl ether in water by gas chromatography–flame ionization detection 963(2002)259

Methylmercury determination in biological samples by derivatization, solid-phase microextraction and gas chromatography with microwave-induced plasma atomic emission spectrometry 963(2002)313

Explosives

On-line coupling of supercritical fluid extraction with high-performance liquid chromatography for the determination of explosives in vapour phases 963(2002)73

Detection of explosives and their degradation products in soil environments 963(2002)411

Extraction methods

Recovery, enrichment and selectivity in liquid-phase microextraction. Comparison with conventional liquid–liquid extraction 963(2002)3

Membrane-assisted solvent extraction of triazines and other semi-volatile contaminants directly coupled to large-volume injection–gas chromatography–mass spectrometric detection 963(2002)27

Monitoring volatile compounds during dry-cured ham ripening by solid-phase microextraction coupled to a new direct-extraction device 963(2002)83

Comparison of solid-phase extraction and solid-phase microextraction for carbofuran in water analyzed by high-performance liquid chromatography–photodiode-array detection 963(2002)117

Application of stir bar sorptive extraction to the determination of polycyclic aromatic hydrocarbons in aqueous samples 963(2002)225

Liquid–liquid–liquid microextraction of aromatic amines from water samples combined with high-performance liquid chromatography 963(2002)231

Analysis of aromatic amines in water samples by liquid–liquid–liquid microextraction with hollow fibers and high-performance liquid chromatography 963(2002)239

Liquid-phase microextraction combined with capillary electrophoresis, a promising tool for the determination of chiral drugs in biological matrices 963(2002)303

Analysis of phenoxy herbicides in bovine milk by means of liquid–liquid–liquid microextraction with a hollow-fiber membrane 963(2002)335

Determination of methylmercury in human hair by ethylation followed by headspace solid-phase microextraction–gas chromatography–cold-vapour atomic fluorescence spectrometry 963(2002)345

Ultrasound extraction and thin layer chromatography–flame ionization detection analysis of the lipid fraction in marine mucilage samples 963(2002)363

Determination of adipate plasticizers in poly(vinyl chloride) by microwave-assisted extraction 963(2002)401

Optimization of the extraction of azo colorants used in toy products 963(2002)427

Factorial design

Optimization of a derivatization–solid-phase microextraction method for the analysis of thirty phenolic pollutants in water samples 963(2002)137

Optimisation of a solid-phase microextraction method for synthetic musk compounds in water 963(2002)277

Optimization of the extraction of azo colorants used in toy products 963(2002)427

Fatty acids

Determination of toxic compounds in paper-recycling process waters by gas chromatography–mass spectrometry and liquid chromatography–mass spectrometry 963(2002)265

Analysis of mono- and diesters of *o*-phthalic acid by solid-phase extractions with polystyrene–divinylbenzene-based polymers 963(2002)393

Food analysis

Monitoring volatile compounds during dry-cured ham ripening by solid-phase microextraction coupled to a new direct-extraction device 963(2002)83

Aroma analysis of fresh and preserved onions and leek by dual solid-phase microextraction–liquid extraction and gas chromatography–mass spectrometry 963(2002)89

Rapid trace analysis of alachlor in water and vegetable samples 963(2002)125

Determination of esters in dry and sweet white wines by headspace solid-phase microextraction and gas chromatography 963(2002)213

Analysis of phenoxy herbicides in bovine milk by means of liquid–liquid–liquid microextraction with a hollow-fiber membrane 963(2002)335

Determination of bisphenol-type contaminants from food packaging materials in aqueous foods by solid-phase microextraction–high-performance liquid chromatography 963(2002)375

Halogenated compounds

Development of a solid-phase microextraction method for the determination of short-ethoxy-chain nonylphenols and their brominated analogs in raw and treated water 963(2002)159

Haloperidol

Recovery, enrichment and selectivity in liquid-phase microextraction. Comparison with conventional liquid–liquid extraction 963(2002)3

Headspace analysis

Optimization of a derivatization–solid-phase microextraction method for the analysis of thirty phenolic pollutants in water samples 963(2002)137

Determination of esters in dry and sweet white wines by headspace solid-phase microextraction and gas chromatography 963(2002)213

Determination of volatile alkyl sulfides in wastewater by headspace solid-phase microextraction followed by gas chromatography–mass spectrometry 963(2002)249

Optimization of headspace solid-phase microextraction by means of an experimental design for the determination of methyl *tert*-butyl ether in water by gas chromatography–flame ionization detection 963(2002)259

Optimisation of a solid-phase microextraction method for synthetic musk compounds in water 963(2002)277

Methylmercury determination in biological samples by derivatization, solid-phase microextraction and gas chromatography with microwave-induced plasma atomic emission spectrometry 963(2002)313

Determination of methylmercury in human hair by ethylation followed by headspace solid-phase microextraction–gas chromatography–cold-vapour atomic fluorescence spectrometry 963(2002)345

Development of a headspace solid-phase microextraction–gas chromatography–mass spectrometry method for the identification of odour-causing volatile compounds in packaging materials 963(2002)381

Hollow fibers

Recovery, enrichment and selectivity in liquid-phase microextraction. Comparison with conventional liquid–liquid extraction 963(2002)3

Analysis of aromatic amines in water samples by liquid–liquid–liquid microextraction with hollow fibers and high-performance liquid chromatography 963(2002)239

Liquid-phase microextraction combined with capillary electrophoresis, a promising tool for the determination of chiral drugs in biological matrices 963(2002)303

Hollow-fiber membranes

Analysis of phenoxy herbicides in bovine milk by means of liquid–liquid–liquid microextraction with a hollow-fiber membrane 963(2002)335

Hydroxytoluene, butylated

Application of solid-phase microextraction combined with gas chromatography–mass spectrometry to the determination of butylated hydroxytoluene in bottled drinking water 963(2002)179

Immunoassays

Rapid trace analysis of alachlor in water and vegetable samples 963(2002)125

Inorganic selenium

Solid-phase extraction for the simultaneous preconcentration of organic (selenocystine) and inorganic [Se(IV), Se(VI)] selenium in natural waters 963(2002)185

Instrumentation

Membrane-assisted solvent extraction of triazines and other semi-volatile contaminants directly coupled to large-volume injection–gas chromatography–mass spectrometric detection 963(2002)27

In-tube solid-phase microextraction

Bio-compatible in-tube solid-phase microextraction capillary for the direct extraction and high-performance liquid chromatographic determination of drugs in human serum 963(2002)325

Lachrymatory factor

Aroma analysis of fresh and preserved onions and leek by dual solid-phase microextraction–liquid extraction and gas chromatography–mass spectrometry 963(2002)89

Large-volume injection

Membrane-assisted solvent extraction of triazines and other semi-volatile contaminants directly coupled to large-volume injection–gas chromatography–mass spectrometric detection 963(2002)27

Lipids

Ultrasound extraction and thin layer chromatography–flame ionization detection analysis of the lipid fraction in marine mucilage samples 963(2002)363

Liquid–liquid extraction

Recovery, enrichment and selectivity in liquid-phase microextraction. Comparison with conventional liquid–liquid extraction 963(2002)3

Liquid–liquid–liquid microextraction

Liquid–liquid–liquid microextraction of aromatic amines from water samples combined with high-performance liquid chromatography 963(2002)231

Analysis of aromatic amines in water samples by liquid–liquid–liquid microextraction with hollow fibers and high-performance liquid chromatography 963(2002)239

Analysis of phenoxy herbicides in bovine milk by means of liquid–liquid–liquid microextraction with a hollow-fiber membrane 963(2002)335

Liquid-phase microextraction

Recovery, enrichment and selectivity in liquid-phase microextraction. Comparison with conventional liquid–liquid extraction 963(2002)3

Liquid-phase microextraction combined with capillary electrophoresis, a promising tool for the determination of chiral drugs in biological matrices 963(2002)303

Mass spectrometry

Universal screening method for the determination of US Environmental Protection Agency phenols at the lower ng l^{-1} level in water samples by on-line solid-phase extraction–high-performance liquid chromatography–atmospheric pressure chemical ionization mass spectrometry within a single run 963(2002)149

Mathematical modelling

Recovery, enrichment and selectivity in liquid-phase microextraction. Comparison with conventional liquid–liquid extraction 963(2002)3

Matrix effects

Quantification of volatile sulfur compounds in complex gaseous matrices by solid-phase microextraction 963(2002)57

Meat

Monitoring volatile compounds during dry-cured ham ripening by solid-phase microextraction coupled to a new direct-extraction device 963(2002)83

Membrane-assisted solvent extraction

Membrane-assisted solvent extraction of triazines and other semi-volatile contaminants directly coupled to large-volume injection–gas chromatography–mass spectrometric detection 963(2002)27

Membrane extraction

Analysis of phenoxy herbicides in bovine milk by means of liquid–liquid–liquid microextraction with a hollow-fiber membrane 963(2002)335

Membranes

Chemically facilitated chromium(VI) transport throughout an anion-exchange membrane. Application to an optical sensor for chromium(VI) monitoring 963(2002)205

Mercury

Determination of methylmercury in human hair by ethylation followed by headspace solid-phase microextraction–gas chromatography–cold-vapour atomic fluorescence spectrometry 963(2002)345

Metal complexes

Chemically facilitated chromium(VI) transport throughout an anion-exchange membrane. Application to an optical sensor for chromium(VI) monitoring 963(2002)205

Metals

Determination of methylmercury in human hair by ethylation followed by headspace solid-phase microextraction–gas chromatography–cold-vapour atomic fluorescence spectrometry 963(2002)345

Methadone

Recovery, enrichment and selectivity in liquid-phase microextraction. Comparison with conventional liquid–liquid extraction 963(2002)3

Methylmercury

Methylmercury determination in biological samples by derivatization, solid-phase microextraction and gas chromatography with microwave-induced plasma atomic emission spectrometry 963(2002)313

Determination of methylmercury in human hair by ethylation followed by headspace solid-phase microextraction–gas chromatography–cold-vapour atomic fluorescence spectrometry 963(2002)345

Methyl *tert.*-butyl ether

Optimization of headspace solid-phase microextraction by means of an experimental design for the determination of methyl *tert.*-butyl ether in water by gas chromatography–flame ionization detection 963(2002)259

Mianserin

Liquid-phase microextraction combined with capillary electrophoresis, a promising tool for the determination of chiral drugs in biological matrices 963(2002)303

Microwave-assisted extraction

Determination of adipate plasticizers in poly(vinyl chloride) by microwave-assisted extraction 963(2002)401

Optimization of the extraction of azo colorants used in toy products 963(2002)427

Milk

Analysis of phenoxy herbicides in bovine milk by means of liquid–liquid–liquid microextraction with a hollow-fiber membrane 963(2002)335

Mine detection

On-line coupling of supercritical fluid extraction with high-performance liquid chromatography for the determination of explosives in vapour phases 963(2002)73

Molecularly imprinting

Non-covalent and semi-covalent molecularly imprinted polymers for selective on-line solid-phase extraction of 4-nitrophenol from water samples 963(2002)169

Musk compounds

Optimisation of a solid-phase microextraction method for synthetic musk compounds in water 963(2002)277

Nitroaromatic compounds

On-line coupling of supercritical fluid extraction with high-performance liquid chromatography for the determination of explosives in vapour phases 963(2002)73

Nitrophenols

Non-covalent and semi-covalent molecularly imprinted polymers for selective on-line solid-phase extraction of 4-nitrophenol from water samples 963(2002)169

Nitrosamines

Optimization of parameters for the supercritical fluid extraction in the determination of N-nitrosamines in rubbers 963(2002)419

Nitrotoluenes

On-line coupling of supercritical fluid extraction with high-performance liquid chromatography for the determination of explosives in vapour phases 963(2002)73

Nonylphenols

Development of a solid-phase microextraction method for the determination of short-ethoxy-chain nonylphenols and their brominated analogs in raw and treated water 963(2002)159

Off-flavor compounds

Development of a headspace solid-phase microextraction–gas chromatography–mass spectrometry method for the identification of odour-causing volatile compounds in packaging materials 963(2002)381

Onions

Aroma analysis of fresh and preserved onions and leek by dual solid-phase microextraction–liquid extraction and gas chromatography–mass spectrometry 963(2002)89

Optical sensors

Chemically facilitated chromium(VI) transport throughout an anion-exchange membrane. Application to an optical sensor for chromium(VI) monitoring 963(2002)205

Organobromine compounds

Development of a solid-phase microextraction method for the determination of short-ethoxy-chain nonylphenols and their brominated analogs in raw and treated water 963(2002)159

Organochlorine compounds

Comparison of three different poly(dimethylsiloxane)–divinylbenzene fibres for the analysis of pesticide multiresidues in water samples: structure and efficiency 963(2002)19

Comparison of different coatings in solid-phase microextraction for the determination of organochlorine pesticides in ground water 963(2002)95

Organomercury compounds

Methylmercury determination in biological samples by derivatization, solid-phase microextraction and gas chromatography with microwave-induced plasma atomic emission spectrometry 963(2002)313

Determination of methylmercury in human hair by ethylation followed by headspace solid-phase microextraction–gas chromatography–cold-vapour atomic fluorescence spectrometry 963(2002)345

Organophosphorus compounds

Comparison of three different poly(dimethylsiloxane)–divinylbenzene fibres for the analysis of pesticide multiresidues in water samples: structure and efficiency 963(2002)19

Organoselenium compounds

Solid-phase extraction for the simultaneous preconcentration of organic (selenocystine) and inorganic [Se(IV), Se(VI)] selenium in natural waters 963(2002)185

Organosulfur compounds

Determination of volatile alkyl sulfides in wastewater by headspace solid-phase microextraction followed by gas chromatography–mass spectrometry 963(2002)249

Organosulphur compounds

Aroma analysis of fresh and preserved onions and leek by dual solid-phase microextraction–liquid extraction and gas chromatography–mass spectrometry 963(2002)89

Organotin compounds

Rapid determination of butyltin species in water samples by multicapillary gas chromatography with atomic emission detection following headspace solid-phase microextraction 963(2002)195

Packaging materials

Application of solid-phase microextraction combined with gas chromatography–mass spectrometry to the determination of butylated hydroxytoluene in bottled drinking water 963(2002)179

Development of a headspace solid-phase microextraction–gas chromatography–mass spectrometry method for the identification of odour-causing volatile compounds in packaging materials 963(2002)381

Paper

Determination of toxic compounds in paper-recycling process waters by gas chromatography–mass spectrometry and liquid chromatography–mass spectrometry 963(2002)265

Partition coefficients

Recovery, enrichment and selectivity in liquid-phase microextraction. Comparison with conventional liquid–liquid extraction 963(2002)3

Pesticides

Comparison of three different poly(dimethylsiloxane)–divinylbenzene fibres for the analysis of pesticide multiresidues in water samples: structure and efficiency 963(2002)19

Comparison of different coatings in solid-phase microextraction for the determination of organochlorine pesticides in ground water 963(2002)95

Application of solid-phase microextraction in the monitoring of priority pesticides in the Kalamas River (N.W. Greece) 963(2002)107

Rapid trace analysis of alachlor in water and vegetable samples 963(2002)125

Application of on-line solid-phase extraction–gas chromatography–mass spectrometry to the determination of endocrine disruptors in water samples 963(2002)287

Analysis of phenoxy herbicides in bovine milk by means of liquid–liquid–liquid microextraction with a hollow-fiber membrane 963(2002)335

Phenols

Optimization of a derivatization–solid-phase microextraction method for the analysis of thirty phenolic pollutants in water samples 963(2002)137

Universal screening method for the determination of US Environmental Protection Agency phenols at the lower ng l^{-1} level in water samples by on-line solid-phase extraction–high-performance liquid chromatography–atmospheric pressure chemical ionization mass spectrometry within a single run 963(2002)149

Phenoxy acids

Analysis of phenoxy herbicides in bovine milk by means of liquid–liquid–liquid microextraction with a hollow-fiber membrane 963(2002)335

Photodegradation

Photolysis of polychlorinated biphenyls by solid-phase microextraction. “On-fibre” versus aqueous photodegradation 963(2002)37

Photolysis

Photolysis of polychlorinated biphenyls by solid-phase microextraction. “On-fibre” versus aqueous photodegradation 963(2002)37

Phthalates

Application of on-line solid-phase extraction–gas chromatography–mass spectrometry to the determination of endocrine disruptors in water samples 963(2002)287

Analysis of mono- and diesters of *o*-phthalic acid by solid-phase extractions with polystyrene–divinylbenzene-based polymers 963(2002)393

Determination of adipate plasticizers in poly(vinyl chloride) by microwave-assisted extraction 963(2002)401

Plasticizers

Determination of adipate plasticizers in poly(vinyl chloride) by microwave-assisted extraction 963(2002)401

Polychlorinated biphenyls

Photolysis of polychlorinated biphenyls by solid-phase microextraction. “On-fibre” versus aqueous photodegradation 963(2002)37

Determination of polychlorinated biphenyl compounds in indoor air samples 963(2002)65

Polycyclic aromatic hydrocarbons

Application of stir bar sorptive extraction to the determination of polycyclic aromatic hydrocarbons in aqueous samples 963(2002)225

Polynuclear aromatic hydrocarbons

Application of on-line solid-phase extraction–gas chromatography–mass spectrometry to the determination of endocrine disruptors in water samples 963(2002)287

Poly(styrene–divinylbenzene)

Analysis of mono- and diesters of *o*-phthalic acid by solid-phase extractions with polystyrene–divinylbenzene-based polymers 963(2002)393

Poly(vinyl chloride)

Determination of adipate plasticizers in poly(vinyl chloride) by microwave-assisted extraction 963(2002)401

Porous graphitic carbon

On-line coupling of supercritical fluid extraction with high-performance liquid chromatography for the determination of explosives in vapour phases 963(2002)73

Promethazine

Recovery, enrichment and selectivity in liquid-phase microextraction. Comparison with conventional liquid–liquid extraction 963(2002)3

Pyrethroids

Comparison of three different poly(dimethylsiloxane)–divinylbenzene fibres for the analysis of pesticide multiresidues in water samples: structure and efficiency 963(2002)19

Restricted access media

Bio-compatible in-tube solid-phase microextraction capillary for the direct extraction and high-performance liquid chromatographic determination of drugs in human serum 963(2002)325

Retention mechanism

Analysis of mono- and diesters of *o*-phthalic acid by solid-phase extractions with polystyrene–divinylbenzene-based polymers 963(2002)393

Rubbers

Optimization of parameters for the supercritical fluid extraction in the determination of N-nitrosamines in rubbers 963(2002)419

Selectivity

Recovery, enrichment and selectivity in liquid-phase microextraction. Comparison with conventional liquid–liquid extraction 963(2002)3

Selenium

Solid-phase extraction for the simultaneous preconcentration of organic (selenocystine) and inorganic [Se(IV), Se(VI)] selenium in natural waters 963(2002)185

Shellfish poisoning

Comparison of solid-phase extraction methods for the determination of azaspiracids in shellfish by liquid chromatography–electrospray mass spectrometry 963(2002)353

Soil

Detection of explosives and their degradation products in soil environments 963(2002)411

Solid-phase extraction

Dynamic versus static sampling for the quantitative analysis of volatile organic compounds in air with polydimethylsiloxane–Carboxen solid-phase microextraction fibers 963(2002)49

Non-covalent and semi-covalent molecularly imprinted polymers for selective on-line solid-phase extraction of 4-nitrophenol from water samples 963(2002)169

Solid-phase extraction for the simultaneous preconcentration of organic (selenocystine) and inorganic [Se(IV), Se(VI)] selenium in natural waters 963(2002)185

Comparison of solid-phase extraction methods for the determination of azaspiracids in shellfish by liquid chromatography–electrospray mass spectrometry 963(2002)353

Solid-phase microextraction

Comparison of three different poly(dimethylsiloxane)–divinylbenzene fibres for the analysis of pesticide multiresidues in water samples: structure and efficiency 963(2002)19

Photolysis of polychlorinated biphenyls by solid-phase microextraction. “On-fibre” versus aqueous photodegradation 963(2002)37

Monitoring volatile compounds during dry-cured ham ripening by solid-phase microextraction coupled to a new direct-extraction device 963(2002)83

Comparison of different coatings in solid-phase microextraction for the determination of organochlorine pesticides in ground water 963(2002)95

Optimization of a derivatization–solid-phase microextraction method for the analysis of thirty phenolic pollutants in water samples 963(2002)137

Development of a solid-phase microextraction method for the determination of short-ethoxy-chain nonylphenols and their brominated analogs in raw and treated water 963(2002)159

Determination of esters in dry and sweet white wines by headspace solid-phase microextraction and gas chromatography 963(2002)213

Optimization of headspace solid-phase microextraction by means of an experimental design for the determination of methyl *tert*-butyl ether in water by gas chromatography–flame ionization detection 963(2002)259

Optimisation of a solid-phase microextraction method for synthetic musk compounds in water 963(2002)277

Analysis of anatoxin-a in aqueous samples by solid-phase microextraction coupled to high-performance liquid chromatography with fluorescence detection and on-fiber derivatization 963(2002)295

Methylmercury determination in biological samples by derivatization, solid-phase microextraction and gas chromatography with microwave-induced plasma atomic emission spectrometry 963(2002)313

Bio-compatible in-tube solid-phase microextraction capillary for the direct extraction and high-performance liquid chromatographic determination of drugs in human serum 963(2002)325

Development of a headspace solid-phase microextraction–gas chromatography–mass spectrometry method for the identification of odour-causing volatile compounds in packaging materials 963(2002)381

Stir bar sorptive extraction

Application of stir bar sorptive extraction to the determination of polycyclic aromatic hydrocarbons in aqueous samples 963(2002)225

Sulfides

Determination of volatile alkyl sulfides in wastewater by headspace solid-phase microextraction followed by gas chromatography–mass spectrometry 963(2002)249

Sulfur compounds

Quantification of volatile sulfur compounds in complex gaseous matrices by solid-phase microextraction 963(2002)57

Supercritical fluid extraction

On-line coupling of supercritical fluid extraction with high-performance liquid chromatography for the determination of explosives in vapour phases 963(2002)73

Optimization of parameters for the supercritical fluid extraction in the determination of N-nitrosamines in rubbers 963(2002)419

Optimization of the extraction of azo colorants used in toy products 963(2002)427

Surfactants

Determination of toxic compounds in paper-recycling process waters by gas chromatography–mass spectrometry and liquid chromatography–mass spectrometry 963(2002)265

Terpenoids

Determination of toxic compounds in paper-recycling process waters by gas chromatography–mass spectrometry and liquid chromatography–mass spectrometry 963(2002)265

Thiocyanomethylthiobenzothiazol

Determination of toxic compounds in paper-recycling process waters by gas chromatography–mass spectrometry and liquid chromatography–mass spectrometry 963(2002)265

Thiosulphinates

Aroma analysis of fresh and preserved onions and leek by dual solid-phase microextraction–liquid extraction and gas chromatography–mass spectrometry 963(2002)89

Toxins

Analysis of anatoxin-a in aqueous samples by solid-phase microextraction coupled to high-performance liquid chromatography with fluorescence detection and on-fiber derivatization 963(2002)295

Comparison of solid-phase extraction methods for the determination of azaspiracids in shellfish by liquid chromatography–electrospray mass spectrometry 963(2002)353

Triazines

Comparison of three different poly(dimethylsiloxane)–divinylbenzene fibres for the analysis of pesticide multiresidues in water samples: structure and efficiency 963(2002)19

Membrane-assisted solvent extraction of triazines and other semi-volatile contaminants directly coupled to large-volume injection–gas chromatography–mass spectrometric detection 963(2002)27

Ultrasound extraction

Ultrasound extraction and thin layer chromatography–flame ionization detection analysis of the lipid fraction in marine mucilage samples 963(2002)363

Vegetables

Rapid trace analysis of alachlor in water and vegetable samples 963(2002)125

Volatile organic compounds

Dynamic versus static sampling for the quantitative analysis of volatile organic compounds in air with polydimethylsiloxane–Carboxen solid-phase microextraction fibers 963(2002)49

Monitoring volatile compounds during dry-cured ham ripening by solid-phase microextraction coupled to a new direct-extraction device 963(2002)83

Development of a headspace solid-phase microextraction–gas chromatography–mass spectrometry method for the identification of odour-causing volatile compounds in packaging materials 963(2002)381

Volatile sulfur compounds

Quantification of volatile sulfur compounds in complex gaseous matrices by solid-phase microextraction 963(2002)57

Determination of volatile alkyl sulfides in wastewater by headspace solid-phase microextraction followed by gas chromatography–mass spectrometry 963(2002)249

Water analysis

Comparison of three different poly(dimethylsiloxane)–divinylbenzene fibres for the analysis of pesticide multiresidues in water samples: structure and efficiency 963(2002)19

Comparison of different coatings in solid-phase microextraction for the determination of organochlorine pesticides in ground water 963(2002)95

Application of solid-phase microextraction in the monitoring of priority pesticides in the Kalamas River (N.W. Greece) 963(2002)107

Comparison of solid-phase extraction and solid-phase microextraction for carbofuran in water analyzed by high-performance liquid chromatography–photodiode-array detection 963(2002)117

Rapid trace analysis of alachlor in water and vegetable samples 963(2002)125

Optimization of a derivatization–solid-phase microextraction method for the analysis of thirty phenolic pollutants in water samples 963(2002)137

Universal screening method for the determination of US Environmental Protection Agency phenols at the lower ng l^{-1} level in water samples by on-line solid-phase extraction–high-performance liquid chromatography–atmospheric pressure chemical ionization mass spectrometry within a single run 963(2002)149

Development of a solid-phase microextraction method for the determination of short-ethoxy-chain nonylphenols and their brominated analogs in raw and treated water 963(2002)159

Non-covalent and semi-covalent molecularly imprinted polymers for selective on-line solid-phase extraction of 4-nitrophenol from water samples 963(2002)169

Application of solid-phase microextraction combined with gas chromatography–mass spectrometry to the determination of butylated hydroxytoluene in bottled drinking water 963(2002)179

Solid-phase extraction for the simultaneous preconcentration of organic (selenocystine) and inorganic [Se(IV), Se(VI)] selenium in natural waters 963(2002)185

Rapid determination of butyltin species in water samples by multicapillary gas chromatography with atomic emission detection following headspace solid-phase microextraction 963(2002)195

Application of stir bar sorptive extraction to the determination of polycyclic aromatic hydrocarbons in aqueous samples 963(2002)225

Liquid–liquid–liquid microextraction of aromatic amines from water samples combined with high-performance liquid chromatography 963(2002)231

Analysis of aromatic amines in water samples by liquid–liquid–liquid microextraction with hollow fibers and high-performance liquid chromatography 963(2002)239

Determination of volatile alkyl sulfides in wastewater by headspace solid-phase microextraction followed by gas chromatography–mass spectrometry 963(2002)249

Optimization of headspace solid-phase microextraction by means of an experimental design for the determination of methyl *tert.*-butyl ether in water by gas chromatography–flame ionization detection 963(2002)259

Determination of toxic compounds in paper-recycling process waters by gas chromatography–mass spectrometry and liquid chromatography–mass spectrometry 963(2002)265

Optimisation of a solid-phase microextraction method for synthetic musk compounds in water 963(2002)277

Application of on-line solid-phase extraction–gas chromatography–mass spectrometry to the determination of endocrine disruptors in water samples 963(2002)287

Wine

Determination of esters in dry and sweet white wines by headspace solid-phase microextraction and gas chromatography 963(2002)213

Zwiebelanes

Aroma analysis of fresh and preserved onions and leek by dual solid-phase microextraction–liquid extraction and gas chromatography–mass spectrometry 963(2002)89