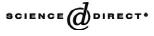


Available online at www.sciencedirect.com



Journal of Chromatography A, 1007 (2003) 215-220

# JOURNAL OF CHROMATOGRAPHY A

www.elsevier.com/locate/chroma

# Subject Index Vol. 1007

#### Activated sludge

Identification of ubiquinones and menaquinones in activated sludge by liquid chromatography–atmospheric pressure chemical ionization mass spectrometry 1007(2003)31

# Alcohols

Quality assurance of commercial beeswax. II. Gas chromatography–electron impact ionization mass spectrometry of alcohols and acids 1007(2003)101

#### 1-Alkyl-3-methylimidazolium

Effect of 1-alkyl-3-methylimidazolium-based ionic liquids as the eluent on the separation of ephedrines by liquid chromatography 1007(2003)39

## Amino acids

Chiral separation of underivatized and dansyl amino acids by ligand-exchange micellar electrokinetic capillary chromatography using a copper(II)–L-valine complex as selector 1007(2003)189

## Amino acids, Dns derivatives

Chiral separation of underivatized and dansyl amino acids by ligand-exchange micellar electrokinetic capillary chromatography using a copper(II)–L-valine complex as selector 1007(2003)189

# Apis mellifera

Quality assurance of commercial beeswax. II. Gas chromatography–electron impact ionization mass spectrometry of alcohols and acids 1007(2003)101

#### Aprotinin

Aprotinin conformational distributions during reversed-phase liquid chromatography. Analysis by hydrogen-exchange mass spectrometry 1007(2003)55

#### **Band broadening**

Synthesis and characterization of  $C_{13}$  to  $C_{18}$  stationary phases by monomeric, solution polymerized, and surface polymerized approaches 1007(2003)11

# Beeswax

Quality assurance of commercial beeswax. II. Gas chromatography–electron impact ionization mass spectrometry of alcohols and acids 1007(2003)101

## Benzene

Erratum to "Simultaneous determination of methyl *tert.*-butyl ether and its degradation products, other gasoline oxygenates and benzene, toluene, ethylbenzene and xylenes in Catalonian groundwater by purge-and-trap–gas chromatography–mass spectrometry". [J. Chromatogr. A 995 (2003) 171–184] 1007(2003)209

## Benzothiazoles

Application of thin-layer chromatographic data in quantitative structure–activity relationship assay of thiazole and benzothiazole derivatives with  $H_1$ -antihistamine activity. I 1007(2003)145

Application of thin-layer chromatographic data in quantitative structure–activity relationship assay of thiazole and benzothiazole derivatives with  $H_1$ -antihistamine activity. II 1007(2003)157

## Carbamates

Multiresidue analysis of carbamate pesticides in soil by sonication-assisted extraction in small columns and liquid chromatography 1007(2003)85

# Carbaryl

Monitoring some phenoxyl-type *N*-methylcarbamate pesticide residues in fruit juices using high-performance liquid chromatography with peroxyoxalate-chemiluminescence detection 1007(2003)197

## Carbofuran

Monitoring some phenoxyl-type *N*-methylcarbamate pesticide residues in fruit juices using high-performance liquid chromatography with peroxyoxalate-chemiluminescence detection 1007(2003)197

#### Caseins

Mass mapping analysis as a tool for the identification of genetic variants of bovine  $\beta$ -casein 1007(2003)47

## Cereals

Reversed-phase liquid chromatography on an amide stationary phase for the determination of the B group vitamins in baby foods 1007(2003)77

# Chemiluminescence detection

Monitoring some phenoxyl-type *N*-methylcarbamate pesticide residues in fruit juices using high-performance liquid chromatography with peroxyoxalate-chemiluminescence detection 1007(2003)197

# Chemometrics

Robustness testing of chiral separations by capillary electrophoresis using highly-sulfated cyclodextrins 1007(2003)165

# **Detection**, GC

Erratum to "Identification and confirmation of traces of chlorinated fatty acids in fish downstream of bleached kraft pulp mills by gas chromatography with halogen-specific detection". [J. Chromatogr. A 994 (2003) 137–157] 1007(2003)211

# Detection, LC

Detection and identification of <sup>14</sup>C-labelled flavonol metabolites by high-performance liquid chromatography-radiocounting and tandem mass spectrometry 1007(2003)21

# Electrokinetic chromatography

Screening of octanol-water partition coefficients for pharmaceuticals by pressure-assisted microemulsion electrokinetic chromatography 1007(2003)203

## **Enantiomer separation**

Robustness testing of chiral separations by capillary electrophoresis using highly-sulfated cyclodextrins 1007(2003)165

Chiral separation of underivatized and dansyl amino acids by ligand-exchange micellar electrokinetic capillary chromatography using a copper(II)–L-valine complex as selector 1007(2003)189

## **Endocrine disrupters**

Stir bar sorptive extraction and large volume injection gas chromatography to determine a group of endocrine disrupters in water samples 1007(2003)1

# Endosulfan

Determination of endosulfan isomers and endosulfan sulfate in tomato juice by matrix solid-phase dispersion and gas chromatography 1007(2003)137

## **Environmental analysis**

Identification of ubiquinones and menaquinones in activated sludge by liquid chromatography–atmospheric pressure chemical ionization mass spectrometry 1007(2003)31

Multiresidue analysis of carbamate pesticides in soil by sonication-assisted extraction in small columns and liquid chromatography 1007(2003)85

Optimisation of a solid-phase microextraction procedure for the determination of triazines in water with gas chromatographymass spectrometry detection 1007(2003)127 Erratum to "Simultaneous determination of methyl *tert.*-butyl ether and its degradation products, other gasoline oxygenates and benzene, toluene, ethylbenzene and xylenes in Catalonian groundwater by purge-and-trap–gas chromatography–mass spectrometry". [J. Chromatogr. A 995 (2003) 171–184] 1007(2003)209

#### Ephedrines

Effect of 1-alkyl-3-methylimidazolium-based ionic liquids as the eluent on the separation of ephedrines by liquid chromatography 1007(2003)39

## Ethylbenzene

Erratum to "Simultaneous determination of methyl *tert*.-butyl ether and its degradation products, other gasoline oxygenates and benzene, toluene, ethylbenzene and xylenes in Catalonian groundwater by purge-and-trap–gas chromatography–mass spectrometry". [J. Chromatogr. A 995 (2003) 171–184] 1007(2003)209

## **Experimental design**

Robustness testing of chiral separations by capillary electrophoresis using highly-sulfated cyclodextrins 1007(2003)165

## **Extraction methods**

Multiresidue analysis of carbamate pesticides in soil by sonication-assisted extraction in small columns and liquid chromatography 1007(2003)85

Determination of endosulfan isomers and endosulfan sulfate in tomato juice by matrix solid-phase dispersion and gas chromatography 1007(2003)137

## Fatty acids

Erratum to "Identification and confirmation of traces of chlorinated fatty acids in fish downstream of bleached kraft pulp mills by gas chromatography with halogen-specific detection". [J. Chromatogr. A 994 (2003) 137–157] 1007(2003)211

# Fish

Erratum to "Identification and confirmation of traces of chlorinated fatty acids in fish downstream of bleached kraft pulp mills by gas chromatography with halogen-specific detection". [J. Chromatogr. A 994 (2003) 137–157] 1007(2003)211

#### Flavonols

Detection and identification of <sup>14</sup>C-labelled flavonol metabolites by high-performance liquid chromatography-radiocounting and tandem mass spectrometry 1007(2003)21

# Food analysis

Reversed-phase liquid chromatography on an amide stationary phase for the determination of the B group vitamins in baby foods 1007(2003)77

#### 216

Determination of endosulfan isomers and endosulfan sulfate in tomato juice by matrix solid-phase dispersion and gas chromatography 1007(2003)137

Erratum to "Identification and confirmation of traces of chlorinated fatty acids in fish downstream of bleached kraft pulp mills by gas chromatography with halogen-specific detection". [J. Chromatogr. A 994 (2003) 137–157] 1007(2003)211

## Fruit juices

Determination of endosulfan isomers and endosulfan sulfate in tomato juice by matrix solid-phase dispersion and gas chromatography 1007(2003)137

Monitoring some phenoxyl-type *N*-methylcarbamate pesticide residues in fruit juices using high-performance liquid chromatography with peroxyoxalate-chemiluminescence detection 1007(2003)197

## Fruits

Reversed-phase liquid chromatography on an amide stationary phase for the determination of the B group vitamins in baby foods 1007(2003)77

## Gasoline

Erratum to "Simultaneous determination of methyl *tert*.-butyl ether and its degradation products, other gasoline oxygenates and benzene, toluene, ethylbenzene and xylenes in Catalonian groundwater by purge-and-trap-gas chromatography-mass spectrometry". [J. Chromatogr. A 995 (2003) 171–184] 1007(2003)209

## Glucosides

Detection and identification of <sup>14</sup>C-labelled flavonol metabolites by high-performance liquid chromatography-radiocounting and tandem mass spectrometry 1007(2003)21

# Halogenated compounds

Capillary electrophoretic and nuclear magnetic resonance studies of interactions between halophenols and ionic liquid or tetraalkylammonium cations 1007(2003)179

# Halogen-specific detection

Erratum to "Identification and confirmation of traces of chlorinated fatty acids in fish downstream of bleached kraft pulp mills by gas chromatography with halogen-specific detection". [J. Chromatogr. A 994 (2003) 137–157] 1007(2003)211

## Histamine

Application of thin-layer chromatographic data in quantitative structure–activity relationship assay of thiazole and benzothiazole derivatives with  $H_1$ -antihistamine activity. I 1007(2003)145

Application of thin-layer chromatographic data in quantitative structure–activity relationship assay of thiazole and benzothiazole derivatives with  $H_1$ -antihistamine activity. II 1007(2003)157

## Immobilised artificial membrane columns

Applications of immobilised artificial membrane chromatography to quaternary alkylammonium sulfobetaines and comparison of chromatographic methods for estimating the octanol–water partition coefficient 1007(2003)67

## **Infant formulas**

Reversed-phase liquid chromatography on an amide stationary phase for the determination of the B group vitamins in baby foods 1007(2003)77

# Ionic liquid

Effect of 1-alkyl-3-methylimidazolium-based ionic liquids as the eluent on the separation of ephedrines by liquid chromatography 1007(2003)39

Capillary electrophoretic and nuclear magnetic resonance studies of interactions between halophenols and ionic liquid or tetraalkylammonium cations 1007(2003)179

# Kraft pulp

Erratum to "Identification and confirmation of traces of chlorinated fatty acids in fish downstream of bleached kraft pulp mills by gas chromatography with halogen-specific detection". [J. Chromatogr. A 994 (2003) 137–157] 1007(2003)211

# Large volume injection

Stir bar sorptive extraction and large volume injection gas chromatography to determine a group of endocrine disrupters in water samples 1007(2003)1

# Ligand-exchange micellar electrokinetic capillary chromatography

Chiral separation of underivatized and dansyl amino acids by ligand-exchange micellar electrokinetic capillary chromatography using a copper(II)–L-valine complex as selector 1007(2003)189

#### Lipophilicity

Application of thin-layer chromatographic data in quantitative structure–activity relationship assay of thiazole and benzothiazole derivatives with  $H_1$ -antihistamine activity. II 1007(2003)157

# Mass mapping

Mass mapping analysis as a tool for the identification of genetic variants of bovine  $\beta$ -casein 1007(2003)47

## Mass spectrometry

Aprotinin conformational distributions during reversed-phase liquid chromatography. Analysis by hydrogen-exchange mass spectrometry 1007(2003)55

# Matrix solid-phase dispersion

Determination of endosulfan isomers and endosulfan sulfate in tomato juice by matrix solid-phase dispersion and gas chromatography 1007(2003)137

# Menaquinones

Identification of ubiquinones and menaquinones in activated sludge by liquid chromatography–atmospheric pressure chemical ionization mass spectrometry 1007(2003)31

## Methylene selectivity

Synthesis and characterization of  $C_{13}$  to  $C_{18}$  stationary phases by monomeric, solution polymerized, and surface polymerized approaches 1007(2003)11

# Methyl tert.-butyl ether

Erratum to "Simultaneous determination of methyl *tert*.-butyl ether and its degradation products, other gasoline oxygenates and benzene, toluene, ethylbenzene and xylenes in Catalonian groundwater by purge-and-trap–gas chromatography–mass spectrometry". [J. Chromatogr. A 995 (2003) 171–184] 1007(2003)209

# Microemulsion electrokinetic chromatography

Screening of octanol-water partition coefficients for pharmaceuticals by pressure-assisted microemulsion electrokinetic chromatography 1007(2003)203

## Mobile phase composition

Effect of 1-alkyl-3-methylimidazolium-based ionic liquids as the eluent on the separation of ephedrines by liquid chromatography 1007(2003)39

#### Nuclear magnetic resonance

Capillary electrophoretic and nuclear magnetic resonance studies of interactions between halophenols and ionic liquid or tetraalkylammonium cations 1007(2003)179

# Octanol-water partition coefficients

Applications of immobilised artificial membrane chromatography to quaternary alkylammonium sulfobetaines and comparison of chromatographic methods for estimating the octanol–water partition coefficient 1007(2003)67

Screening of octanol-water partition coefficients for pharmaceuticals by pressure-assisted microemulsion electrokinetic chromatography 1007(2003)203

# **Organic** acids

Quality assurance of commercial beeswax. II. Gas chromatography-electron impact ionization mass spectrometry of alcohols and acids 1007(2003)101

## Organic sulfur compounds

Isothermal Kováts retention indices of sulfur compounds on a poly(5% diphenyl–95% dimethylsiloxane) stationary phase 1007(2003)117

# Organochlorine compounds

Stir bar sorptive extraction and large volume injection gas chromatography to determine a group of endocrine disrupters in water samples 1007(2003)1 Erratum to "Identification and confirmation of traces of chlorinated fatty acids in fish downstream of bleached kraft pulp mills by gas chromatography with halogen-specific detection". [J. Chromatogr. A 994 (2003) 137–157] 1007(2003)211

## Organosulfur compounds

Applications of immobilised artificial membrane chromatography to quaternary alkylammonium sulfobetaines and comparison of chromatographic methods for estimating the octanol–water partition coefficient 1007(2003)67

Application of thin-layer chromatographic data in quantitative structure–activity relationship assay of thiazole and benzothiazole derivatives with  $H_1$ -antihistamine activity. I 1007(2003)145

Application of thin-layer chromatographic data in quantitative structure–activity relationship assay of thiazole and benzothiazole derivatives with  $H_1$ -antihistamine activity. II 1007(2003)157

## Palladium

On-line preconcentration, ion chromatographic separation and spectrophotometric determination of palladium at trace level 1007(2003)93

## Pesticides

Multiresidue analysis of carbamate pesticides in soil by sonication-assisted extraction in small columns and liquid chromatography 1007(2003)85

Optimisation of a solid-phase microextraction procedure for the determination of triazines in water with gas chromatography– mass spectrometry detection 1007(2003)127

Determination of endosulfan isomers and endosulfan sulfate in tomato juice by matrix solid-phase dispersion and gas chromatography 1007(2003)137

Monitoring some phenoxyl-type *N*-methylcarbamate pesticide residues in fruit juices using high-performance liquid chromatography with peroxyoxalate-chemiluminescence detection 1007(2003)197

# Pharmaceutical analysis

Screening of octanol-water partition coefficients for pharmaceuticals by pressure-assisted microemulsion electrokinetic chromatography 1007(2003)203

## Phenols

Capillary electrophoretic and nuclear magnetic resonance studies of interactions between halophenols and ionic liquid or tetraalkylammonium cations 1007(2003)179

## Planar chromatography

Application of thin-layer chromatographic data in quantitative structure–activity relationship assay of thiazole and benzothiazole derivatives with  $H_1$ -antihistamine activity. I 1007(2003)145

Application of thin-layer chromatographic data in quantitative structure–activity relationship assay of thiazole and benzothiazole derivatives with  $H_1$ -antihistamine activity. II 1007(2003)157

## Praziquantel

Robustness testing of chiral separations by capillary electrophoresis using highly-sulfated cyclodextrins 1007(2003)165

## Propoxur

Monitoring some phenoxyl-type *N*-methylcarbamate pesticide residues in fruit juices using high-performance liquid chromatography with peroxyoxalate-chemiluminescence detection 1007(2003)197

## Propranolol

Robustness testing of chiral separations by capillary electrophoresis using highly-sulfated cyclodextrins 1007(2003)165

## Proteins

Mass mapping analysis as a tool for the identification of genetic variants of bovine  $\beta$ -casein 1007(2003)47

Aprotinin conformational distributions during reversed-phase liquid chromatography. Analysis by hydrogen-exchange mass spectrometry 1007(2003)55

# **Purge-and-trap methods**

Erratum to "Simultaneous determination of methyl *tert.*-butyl ether and its degradation products, other gasoline oxygenates and benzene, toluene, ethylbenzene and xylenes in Catalonian groundwater by purge-and-trap–gas chromatography–mass spectrometry". [J. Chromatogr. A 995 (2003) 171–184] 1007(2003)209

## Quaternary ammonium compounds

Applications of immobilised artificial membrane chromatography to quaternary alkylammonium sulfobetaines and comparison of chromatographic methods for estimating the octanol–water partition coefficient 1007(2003)67

## Quercetin glucoside

Detection and identification of <sup>14</sup>C-labelled flavonol metabolites by high-performance liquid chromatography-radiocounting and tandem mass spectrometry 1007(2003)21

## **Radiocounting detection**

Detection and identification of <sup>14</sup>C-labelled flavonol metabolites by high-performance liquid chromatography-radiocounting and tandem mass spectrometry 1007(2003)21

# **Regression analysis**

Application of thin-layer chromatographic data in quantitative structure–activity relationship assay of thiazole and benzothiazole derivatives with  $H_1$ -antihistamine activity. I 1007(2003)145

Application of thin-layer chromatographic data in quantitative structure–activity relationship assay of thiazole and benzothiazole derivatives with  $H_1$ -antihistamine activity. II 1007(2003)157

## **Retention indices**

Isothermal Kováts retention indices of sulfur compounds on a poly(5% diphenyl–95% dimethylsiloxane) stationary phase 1007(2003)117

#### Robustness

Robustness testing of chiral separations by capillary electrophoresis using highly-sulfated cyclodextrins 1007(2003)165

## Salt effects

Aprotinin conformational distributions during reversed-phase liquid chromatography. Analysis by hydrogen-exchange mass spectrometry 1007(2003)55

#### Selectivity

Synthesis and characterization of  $C_{13}$  to  $C_{18}$  stationary phases by monomeric, solution polymerized, and surface polymerized approaches 1007(2003)11

## Shape selectivity

Synthesis and characterization of  $C_{13}$  to  $C_{18}$  stationary phases by monomeric, solution polymerized, and surface polymerized approaches 1007(2003)11

#### Soil

Multiresidue analysis of carbamate pesticides in soil by sonication-assisted extraction in small columns and liquid chromatography 1007(2003)85

## Solid-phase microextraction

Optimisation of a solid-phase microextraction procedure for the determination of triazines in water with gas chromatography– mass spectrometry detection 1007(2003)127

# Sonication-assisted extraction

Multiresidue analysis of carbamate pesticides in soil by sonication-assisted extraction in small columns and liquid chromatography 1007(2003)85

#### Stationary phases, LC

Synthesis and characterization of  $C_{13}$  to  $C_{18}$  stationary phases by monomeric, solution polymerized, and surface polymerized approaches 1007(2003)11

# Stir bar sorptive extraction

Stir bar sorptive extraction and large volume injection gas chromatography to determine a group of endocrine disrupters in water samples 1007(2003)1

## Structure-activity relationships

Application of thin-layer chromatographic data in quantitative structure–activity relationship assay of thiazole and benzothiazole derivatives with  $H_1$ -antihistamine activity. I 1007(2003)145

Application of thin-layer chromatographic data in quantitative structure–activity relationship assay of thiazole and benzothiazole derivatives with  $H_1$ -antihistamine activity. II 1007(2003)157

# Sulfated cyclodextrins

Robustness testing of chiral separations by capillary electrophoresis using highly-sulfated cyclodextrins 1007(2003)165

## Sulfides

Isothermal Kováts retention indices of sulfur compounds on a poly(5% diphenyl–95% dimethylsiloxane) stationary phase 1007(2003)117

### Sulfobetaines

Applications of immobilised artificial membrane chromatography to quaternary alkylammonium sulfobetaines and comparison of chromatographic methods for estimating the octanol–water partition coefficient 1007(2003)67

## Thiazole

Application of thin-layer chromatographic data in quantitative structure–activity relationship assay of thiazole and benzothiazole derivatives with  $H_1$ -antihistamine activity. II 1007(2003)157

## Thiazoles

Application of thin-layer chromatographic data in quantitative structure–activity relationship assay of thiazole and benzothiazole derivatives with  $H_1$ -antihistamine activity. I 1007(2003)145

## Thiols

Isothermal Kováts retention indices of sulfur compounds on a poly(5% diphenyl–95% dimethylsiloxane) stationary phase 1007(2003)117

## Toluene

Erratum to "Simultaneous determination of methyl *tert.*-butyl ether and its degradation products, other gasoline oxygenates and benzene, toluene, ethylbenzene and xylenes in Catalonian groundwater by purge-and-trap–gas chromatography–mass spectrometry". [J. Chromatogr. A 995 (2003) 171–184] 1007(2003)209

## Toxicity

Applications of immobilised artificial membrane chromatography to quaternary alkylammonium sulfobetaines and comparison of chromatographic methods for estimating the octanol–water partition coefficient 1007(2003)67

# Trace analysis

On-line preconcentration, ion chromatographic separation and spectrophotometric determination of palladium at trace level 1007(2003)93

## Triazines

Optimisation of a solid-phase microextraction procedure for the determination of triazines in water with gas chromatographymass spectrometry detection 1007(2003)127

#### Ubiquinones

Identification of ubiquinones and menaquinones in activated sludge by liquid chromatography–atmospheric pressure chemical ionization mass spectrometry 1007(2003)31

#### Validation

Reversed-phase liquid chromatography on an amide stationary phase for the determination of the B group vitamins in baby foods 1007(2003)77

### Valine

Chiral separation of underivatized and dansyl amino acids by ligand-exchange micellar electrokinetic capillary chromatography using a copper(II)–L-valine complex as selector 1007(2003)189

# Vitamins

Reversed-phase liquid chromatography on an amide stationary phase for the determination of the B group vitamins in baby foods 1007(2003)77

# Warfarin

Robustness testing of chiral separations by capillary electrophoresis using highly-sulfated cyclodextrins 1007(2003)165

#### Water analysis

Stir bar sorptive extraction and large volume injection gas chromatography to determine a group of endocrine disrupters in water samples 1007(2003)1

Optimisation of a solid-phase microextraction procedure for the determination of triazines in water with gas chromatographymass spectrometry detection 1007(2003)127

Erratum to "Simultaneous determination of methyl *tert.*-butyl ether and its degradation products, other gasoline oxygenates and benzene, toluene, ethylbenzene and xylenes in Catalonian groundwater by purge-and-trap–gas chromatography–mass spectrometry". [J. Chromatogr. A 995 (2003) 171–184] 1007(2003)209

#### Waxes

Quality assurance of commercial beeswax. II. Gas chromatography-electron impact ionization mass spectrometry of alcohols and acids 1007(2003)101

# **Xylenes**

Erratum to "Simultaneous determination of methyl *tert.*-butyl ether and its degradation products, other gasoline oxygenates and benzene, toluene, ethylbenzene and xylenes in Catalonian groundwater by purge-and-trap–gas chromatography–mass spectrometry". [J. Chromatogr. A 995 (2003) 171–184] 1007(2003)209