

Subject Index Vol. 1042

Acid–base equilibria

Effect of temperature on the chromatographic retention of ionizable compounds. I. Methanol–water mobile phases 1042(2004)23

Actinomycins

Direct zonal liquid chromatographic method for the kinetic study of actinomycin–DNA binding 1042(2004)15

Adsorption

Thermally-treated clay as a stationary phase in liquid chromatography 1042(2004)49

Air analysis

Selective determination of trimethylamine in air by liquid chromatography using solid phase extraction cartridges for sampling 1042(2004)219

Alkylbenzenes

Determination of alkylbenzene metabolites in groundwater by solid-phase extraction and liquid chromatography–tandem mass spectrometry 1042(2004)89

Alkylphenols

High performance solid-phase analytical derivatization of phenols for gas chromatography–mass spectrometry 1042(2004)1

Amino acids

Enantioseparation of amino acid derivatives on an immobilized network polymer derived from L-tartaric acid 1042(2004)81

Anilines

Application of solid-phase microextraction for determining phenylurea herbicides and their homologous anilines from vegetables 1042(2004)9

Antibiotics

Application of ion-exchange cartridge clean-up in food analysis. VI. Determination of six penicillins in bovine tissues by liquid chromatography–electrospray ionization tandem mass spectrometry 1042(2004)107

Apparent thermodynamic parameters

Enantioseparation of amino acid derivatives on an immobilized network polymer derived from L-tartaric acid 1042(2004)81

Aqueous two-phase systems

Two-phase partition chromatography using soybean oil eliminates pesticide residues in aqueous ginseng extract 1042(2004)163

Azo-dyes

Development and in-house validation of a liquid chromatography–electrospray–tandem mass spectrometry method for the simultaneous determination of Sudan I, Sudan II, Sudan III and Sudan IV in hot chilli products 1042(2004)123

Barbiturates

Investigation of the novel mixed-mode stationary phase for capillary electrochromatography. I. Preparation and characterization of sulfonated naphthalimido-modified silyl silica gel 1042(2004)189

Basic compounds

Study of short polystyrene monolith-fritted micro-liquid chromatography columns for analysis of neutral and basic compounds 1042(2004)61

Benzenes

Determination of alkylbenzene metabolites in groundwater by solid-phase extraction and liquid chromatography–tandem mass spectrometry 1042(2004)89

Benzodiazepines

Investigation of the novel mixed-mode stationary phase for capillary electrochromatography. I. Preparation and characterization of sulfonated naphthalimido-modified silyl silica gel 1042(2004)189

Benzylsuccinate

Determination of alkylbenzene metabolites in groundwater by solid-phase extraction and liquid chromatography–tandem mass spectrometry 1042(2004)89

Binding studies

Direct zonal liquid chromatographic method for the kinetic study of actinomycin–DNA binding 1042(2004)15

Carboxylic acids

Determination of perfluorocarboxylic acids in aqueous matrices by ion-pair solid-phase microextraction–in-port derivatization–gas chromatography–negative ion chemical ionization mass spectrometry 1042(2004)155

Cellulose dimethylphenylcarbamate

High-performance liquid chromatographic enantioseparations on monolithic silica columns containing a covalently attached 3,5-dimethylphenylcarbamate derivative of cellulose 1042(2004)55

Chip technology

Novel variable volume injector for performing sample introduction in a miniaturised isotachopheresis device 1042(2004)181

Chlorophenols

High performance solid-phase analytical derivatization of phenols for gas chromatography–mass spectrometry 1042(2004)1

Clay

Thermally-treated clay as a stationary phase in liquid chromatography 1042(2004)49

Coated capillaries

Micellar electrokinetic chromatography at low pH with polyelectrolyte-coated capillaries 1042(2004)197

Cobalt tris(acetylacetonate)

High-performance liquid chromatographic enantioseparations on monolithic silica columns containing a covalently attached 3,5-dimethylphenylcarbamate derivative of cellulose 1042(2004)55

Column characterization

Selection of reversed-phase liquid chromatographic columns with diverse selectivity towards the potential separation of impurities in drugs 1042(2004)69

Column selection

Selection of reversed-phase liquid chromatographic columns with diverse selectivity towards the potential separation of impurities in drugs 1042(2004)69

Computer simulation

Direct zonal liquid chromatographic method for the kinetic study of actinomycin-DNA binding 1042(2004)15

Derivatization, GC

High performance solid-phase analytical derivatization of phenols for gas chromatography-mass spectrometry 1042(2004)1

Determination of perfluorocarboxylic acids in aqueous matrices by ion-pair solid-phase microextraction-in-port derivatization-gas chromatography-negative ion chemical ionization mass spectrometry 1042(2004)155

Derivatization, LC

Enantioseparation of amino acid derivatives on an immobilized network polymer derived from L-tartaric acid 1042(2004)81

Derringer's desirability function

Selection of reversed-phase liquid chromatographic columns with diverse selectivity towards the potential separation of impurities in drugs 1042(2004)69

Dihydroxy dimethylbiphenyl

High-performance liquid chromatographic enantioseparations on monolithic silica columns containing a covalently attached 3,5-dimethylphenylcarbamate derivative of cellulose 1042(2004)55

DNA

Direct zonal liquid chromatographic method for the kinetic study of actinomycin-DNA binding 1042(2004)15

Edible salt

Determination of iodide in seawater and edible salt by microcolumn liquid chromatography with poly(ethylene glycol) stationary phase 1042(2004)131

Electrochromatography

Investigation of the novel mixed-mode stationary phase for capillary electrochromatography. I. Preparation and characterization of sulfonated naphthalimido-modified silyl silica gel 1042(2004)189

Electroosmotic flow

Micellar electrokinetic chromatography at low pH with polyelectrolyte-coated capillaries 1042(2004)197

Electrostatic interaction

Investigation of the novel mixed-mode stationary phase for capillary electrochromatography. I. Preparation and characterization of sulfonated naphthalimido-modified silyl silica gel 1042(2004)189

Enantiomer separation

High-performance liquid chromatographic enantioseparations on monolithic silica columns containing a covalently attached 3,5-dimethylphenylcarbamate derivative of cellulose 1042(2004)55

Enantioseparation of amino acid derivatives on an immobilized network polymer derived from L-tartaric acid 1042(2004)81

Packed column supercritical fluid chromatography of a peroxysome proliferator-activating receptor agonist drug. Achiral and chiral purity of substance, formulation assay and its enantiomeric purity 1042(2004)173

Environmental analysis

High performance solid-phase analytical derivatization of phenols for gas chromatography-mass spectrometry 1042(2004)1

Determination of alkylbenzene metabolites in groundwater by solid-phase extraction and liquid chromatography-tandem mass spectrometry 1042(2004)89

Determination of perfluorocarboxylic acids in aqueous matrices by ion-pair solid-phase microextraction-in-port derivatization-gas chromatography-negative ion chemical ionization mass spectrometry 1042(2004)155

Equivalence model

Tetramethyl-*p,p'*-sildiphenylene ether-dimethyl, diphenylsiloxane copolymers as stationary phases in gas chromatography 1042(2004)147

Ethylbenzene

Determination of alkylbenzene metabolites in groundwater by solid-phase extraction and liquid chromatography-tandem mass spectrometry 1042(2004)89

Extraction methods

Determination of perfluorocarboxylic acids in aqueous matrices by ion-pair solid-phase microextraction-in-port derivatization-gas chromatography-negative ion chemical ionization mass spectrometry 1042(2004)155

Flavones

Determination of liquiritigenin and isoliquiritigenin in *Glycyrrhiza uralensis* and its medicinal preparations by capillary electrophoresis with electrochemical detection 1042(2004)203

Fluoroquinolones

Simultaneous determination of fluoroquinolone, sulfonamide, and trimethoprim antibiotics in wastewater using tandem solid phase extraction and liquid chromatography-electrospray mass spectrometry 1042(2004)113

Food analysis

Application of solid-phase microextraction for determining phenylurea herbicides and their homologous anilines from vegetables 1042(2004)9

Application of ion-exchange cartridge clean-up in food analysis. VI. Determination of six penicillins in bovine tissues by liquid chromatography-electrospray ionization tandem mass spectrometry 1042(2004)107

Development and in-house validation of a liquid chromatography-electrospray-tandem mass spectrometry method for the simultaneous determination of Sudan I, Sudan II, Sudan III and Sudan IV in hot chilli products 1042(2004)123

Fraction collection

Hold-and-flush, a novel fraction collection method in semi-preparative subcritical and supercritical fluid chromatography 1042(2004)169

Fringing magnetic field

Effect of flow development region and fringing magnetic force field on annular split-flow thin fractionation 1042(2004)137

Ginseng extract

Two-phase partition chromatography using soybean oil eliminates pesticide residues in aqueous ginseng extract 1042(2004)163

Glycyrrhiza uralensis

Determination of liquiritigenin and isoliquiritigenin in *Glycyrrhiza uralensis* and its medicinal preparations by capillary electrophoresis with electrochemical detection 1042(2004)203

Headspace solvent microextraction

Trace analysis of methyl *tert*-butyl ether in water samples using headspace solvent microextraction and gas chromatography–flame ionization detection 1042(2004)211

Hydrophobic interaction

Investigation of the novel mixed-mode stationary phase for capillary electrochromatography. I. Preparation and characterization of sulfonated naphthalimido-modified silyl silica gel 1042(2004)189

Hydrophobicity

Column selection for liquid chromatographic estimation of the k'_w hydrophobicity parameter 1042(2004)37

Hydroquinone

Micellar electrokinetic chromatography at low pH with polyelectrolyte-coated capillaries 1042(2004)197

Injection methods

Novel variable volume injector for performing sample introduction in a miniaturised isotachopheresis device 1042(2004)181

Instrumentation

Hold-and-flush, a novel fraction collection method in semi-preparative subcritical and supercritical fluid chromatography 1042(2004)169

Novel variable volume injector for performing sample introduction in a miniaturised isotachopheresis device 1042(2004)181

 π – π interaction

Investigation of the novel mixed-mode stationary phase for capillary electrochromatography. I. Preparation and characterization of sulfonated naphthalimido-modified silyl silica gel 1042(2004)189

Iodide

Determination of iodide in seawater and edible salt by microcolumn liquid chromatography with poly(ethylene glycol) stationary phase 1042(2004)131

Ionizable solutes

Effect of temperature on the chromatographic retention of ionizable compounds. I. Methanol–water mobile phases 1042(2004)23

Isoliquiritigenin

Determination of liquiritigenin and isoliquiritigenin in *Glycyrrhiza uralensis* and its medicinal preparations by capillary electrophoresis with electrochemical detection 1042(2004)203

Isotachopheresis

Novel variable volume injector for performing sample introduction in a miniaturised isotachopheresis device 1042(2004)181

Kinetic studies

Direct zonal liquid chromatographic method for the kinetic study of actinomycin–DNA binding 1042(2004)15

 k'_w

Column selection for liquid chromatographic estimation of the k'_w hydrophobicity parameter 1042(2004)37

Laponite-RD

Thermally-treated clay as a stationary phase in liquid chromatography 1042(2004)49

Liquiritigenin

Determination of liquiritigenin and isoliquiritigenin in *Glycyrrhiza uralensis* and its medicinal preparations by capillary electrophoresis with electrochemical detection 1042(2004)203

Loadings

Erratum to “Peak purity determination with principal component analysis of high-performance liquid chromatography–diode array detection data” [J. Chromatogr. A 1029 (2004) 13–20] 1042(2004)225

Mass spectrometry

High-performance liquid chromatography–ultrasonic nebulizer high-power nitrogen microwave-induced plasma mass spectrometry, real-time on-line coupling for selenium speciation analysis 1042(2004)99

Methyl *tert*-butyl ether

Trace analysis of methyl *tert*-butyl ether in water samples using headspace solvent microextraction and gas chromatography–flame ionization detection 1042(2004)211

Microwave-induced plasma mass spectrometry

High-performance liquid chromatography–ultrasonic nebulizer high-power nitrogen microwave-induced plasma mass spectrometry, real-time on-line coupling for selenium speciation analysis 1042(2004)99

Miniaturization

Novel variable volume injector for performing sample introduction in a miniaturised isotachopheresis device 1042(2004)181

Mobile phase composition

Effect of temperature on the chromatographic retention of ionizable compounds. I. Methanol–water mobile phases 1042(2004)23

Monolithic columns

High-performance liquid chromatographic enantioseparations on monolithic silica columns containing a covalently attached 3,5-dimethylphenylcarbamate derivative of cellulose 1042(2004)55

Monoliths

Study of short polystyrene monolith–fritted micro-liquid chromatography columns for analysis of neutral and basic compounds 1042(2004)61

Nebulizers

High-performance liquid chromatography–ultrasonic nebulizer high-power nitrogen microwave-induced plasma mass spectrometry, real-time on-line coupling for selenium speciation analysis 1042(2004)99

Network polymer

Enantioseparation of amino acid derivatives on an immobilized network polymer derived from L-tartaric acid 1042(2004)81

Oils

Two-phase partition chromatography using soybean oil eliminates pesticide residues in aqueous ginseng extract 1042(2004)163

Organofluorine compounds

Determination of perfluorocarboxylic acids in aqueous matrices by ion-pair solid-phase microextraction–in-port derivatization–gas chromatography–negative ion chemical ionization mass spectrometry 1042(2004)155

Organoselenium compounds

High-performance liquid chromatography–ultrasonic nebulizer high-power nitrogen microwave-induced plasma mass spectrometry, real-time on-line coupling for selenium speciation analysis 1042(2004)99

Orthogonal chromatographic systems

Selection of reversed-phase liquid chromatographic columns with diverse selectivity towards the potential separation of impurities in drugs 1042(2004)69

Pareto-optimality

Selection of reversed-phase liquid chromatographic columns with diverse selectivity towards the potential separation of impurities in drugs 1042(2004)69

Particle separation

Effect of flow development region and fringing magnetic force field on annular split-flow thin fractionation 1042(2004)137

Peak purity determination

Erratum to “Peak purity determination with principal component analysis of high-performance liquid chromatography–diode array detection data” [J. Chromatogr. A 1029 (2004) 13–20] 1042(2004)225

Penicillins

Application of ion-exchange cartridge clean-up in food analysis. VI. Determination of six penicillins in bovine tissues by liquid chromatography–electrospray ionization tandem mass spectrometry 1042(2004)107

Pentafluoropyridine

High performance solid-phase analytical derivatization of phenols for gas chromatography–mass spectrometry 1042(2004)1

Perfluorocarboxylic acids

Determination of perfluorocarboxylic acids in aqueous matrices by ion-pair solid-phase microextraction–in-port derivatization–gas chromatography–negative ion chemical ionization mass spectrometry 1042(2004)155

Peroxisome proliferator-activating receptor agonist

Packed column supercritical fluid chromatography of a peroxisome proliferator-activating receptor agonist drug. Achiral and chiral purity of substance, formulation assay and its enantiomeric purity 1042(2004)173

Pesticides

Application of solid-phase microextraction for determining phenylurea herbicides and their homologous anilines from vegetables 1042(2004)9

Two-phase partition chromatography using soybean oil eliminates pesticide residues in aqueous ginseng extract 1042(2004)163

Pharmaceutical analysis

Packed column supercritical fluid chromatography of a peroxisome proliferator-activating receptor agonist drug. Achiral and chiral purity of substance, formulation assay and its enantiomeric purity 1042(2004)173

Determination of liquiritigenin and isoliquiritigenin in *Glycyrrhiza uralensis* and its medicinal preparations by capillary electrophoresis with electrochemical detection 1042(2004)203

Phenidone

Micellar electrokinetic chromatography at low pH with polyelectrolyte-coated capillaries 1042(2004)197

Phenols

High performance solid-phase analytical derivatization of phenols for gas chromatography–mass spectrometry 1042(2004)1

Phenylureas

Application of solid-phase microextraction for determining phenylurea herbicides and their homologous anilines from vegetables 1042(2004)9

Poly(ethylene glycol)

Determination of iodide in seawater and edible salt by microcolumn liquid chromatography with poly(ethylene glycol) stationary phase 1042(2004)131

Polymers

Tetramethyl-*p,p'*-sildiphenylene ether–dimethyl, diphenylsiloxane copolymers as stationary phases in gas chromatography 1042(2004)147

Positional isomers

Thermally-treated clay as a stationary phase in liquid chromatography 1042(2004)49

Preparative chromatography

Hold-and-flush, a novel fraction collection method in semi-preparative subcritical and supercritical fluid chromatography 1042(2004)169

Principal component analysis

Selection of reversed-phase liquid chromatographic columns with diverse selectivity towards the potential separation of impurities in drugs 1042(2004)69

Erratum to “Peak purity determination with principal component analysis of high-performance liquid chromatography–diode array detection data” [J. Chromatogr. A 1029 (2004) 13–20] 1042(2004)225

Relative observation residuals

Erratum to “Peak purity determination with principal component analysis of high-performance liquid chromatography–diode array detection data” [J. Chromatogr. A 1029 (2004) 13–20] 1042(2004)225

Retention behavior

Effect of temperature on the chromatographic retention of ionizable compounds. I. Methanol–water mobile phases 1042(2004)23

Sample preparation

High performance solid-phase analytical derivatization of phenols for gas chromatography–mass spectrometry 1042(2004)1

Scores

Erratum to “Peak purity determination with principal component analysis of high-performance liquid chromatography–diode array detection data” [J. Chromatogr. A 1029 (2004) 13–20] 1042(2004)225

Selenium compounds

High-performance liquid chromatography–ultrasonic nebulizer high-power nitrogen microwave-induced plasma mass spectrometry, real-time on-line coupling for selenium speciation analysis 1042(2004)99

Signal suppression

Simultaneous determination of fluoroquinolone, sulfonamide, and trimethoprim antibiotics in wastewater using tandem solid phase extraction and liquid chromatography–electrospray mass spectrometry 1042(2004)113

Solid-phase extraction

Selective determination of trimethylamine in air by liquid chromatography using solid phase extraction cartridges for sampling 1042(2004)219

Split-flow thin fractionation

Effect of flow development region and fringing magnetic force field on annular split-flow thin fractionation 1042(2004)137

Stationary phases, electrochromatography

Investigation of the novel mixed-mode stationary phase for capillary electrochromatography. I. Preparation and characterization of sulfonated naphthalimido-modified silyl silica gel 1042(2004)189

Stationary phases, GC

Tetramethyl-*p,p'*-sildiphenylene ether–dimethyl, diphenylsiloxane copolymers as stationary phases in gas chromatography 1042(2004)147

Stationary phases, LC

Column selection for liquid chromatographic estimation of the k'_w hydrophobicity parameter 1042(2004)37

Thermally-treated clay as a stationary phase in liquid chromatography 1042(2004)49

Study of short polystyrene monolith-fritted micro-liquid chromatography columns for analysis of neutral and basic compounds 1042(2004)61

Selection of reversed-phase liquid chromatographic columns with diverse selectivity towards the potential separation of impurities in drugs 1042(2004)69

Determination of iodide in seawater and edible salt by microcolumn liquid chromatography with poly(ethylene glycol) stationary phase 1042(2004)131

Subcritical fluid chromatography

Hold-and-flush, a novel fraction collection method in semi-preparative subcritical and supercritical fluid chromatography 1042(2004)169

Sudan azo-dyes

Development and in-house validation of a liquid chromatography–electrospray–tandem mass spectrometry method for the simultaneous determination of Sudan I, Sudan II, Sudan III and Sudan IV in hot chilli products 1042(2004)123

3-(4-Sulfo-1,8-naphthalimido)propyl-modified silyl silica gel

Investigation of the novel mixed-mode stationary phase for capillary electrochromatography. I. Preparation and characterization of sulfonated naphthalimido-modified silyl silica gel 1042(2004)189

Sulfonamides

Simultaneous determination of fluoroquinolone, sulfonamide, and trimethoprim antibiotics in wastewater using tandem solid phase extraction and liquid chromatography–electrospray mass spectrometry 1042(2004)113

Supercritical fluid chromatography

Hold-and-flush, a novel fraction collection method in semi-preparative subcritical and supercritical fluid chromatography 1042(2004)169

Packed column supercritical fluid chromatography of a peroxysome proliferator-activating receptor agonist drug. Achiral and chiral purity of substance, formulation assay and its enantiomeric purity 1042(2004)173

Tartaric acid

Enantioseparation of amino acid derivatives on an immobilized network polymer derived from L-tartaric acid 1042(2004)81

Temperature effects

Effect of temperature on the chromatographic retention of ionizable compounds. I. Methanol–water mobile phases 1042(2004)23

Tetramethyl-*p,p'*-sildiphenylene ether–dimethyl, diphenylsiloxane copolymers

Tetramethyl-*p,p'*-sildiphenylene ether–dimethyl, diphenylsiloxane copolymers as stationary phases in gas chromatography 1042(2004)147

Toluene

Determination of alkylbenzene metabolites in groundwater by solid-phase extraction and liquid chromatography–tandem mass spectrometry 1042(2004)89

Trace analysis

Trace analysis of methyl *tert*-butyl ether in water samples using headspace solvent microextraction and gas chromatography–flame ionization detection 1042(2004)211

Trifluoroanthrylethanol

High-performance liquid chromatographic enantioseparations on monolithic silica columns containing a covalently attached 3,5-dimethylphenylcarbamate derivative of cellulose 1042(2004)55

Trimethoprim

Simultaneous determination of fluoroquinolone, sulfonamide, and trimethoprim antibiotics in wastewater using tandem solid phase extraction and liquid chromatography–electrospray mass spectrometry 1042(2004)113

Trimethylamine

Selective determination of trimethylamine in air by liquid chromatography using solid phase extraction cartridges for sampling 1042(2004)219

Vegetables

Application of solid-phase microextraction for determining phenylurea herbicides and their homologous anilines from vegetables 1042(2004)9

Water analysis

High performance solid-phase analytical derivatization of phenols for gas chromatography–mass spectrometry 1042(2004)1

Determination of alkylbenzene metabolites in groundwater by solid-phase extraction and liquid chromatography–tandem mass spectrometry 1042(2004)89

Simultaneous determination of fluoroquinolone, sulfonamide, and trimethoprim antibiotics in wastewater using tandem solid phase extraction and liquid chromatography–electrospray mass spectrometry 1042(2004)113

Determination of iodide in seawater and edible salt by microcolumn liquid chromatography with poly(ethylene glycol) stationary phase 1042(2004)131

Determination of perfluorocarboxylic acids in aqueous matrices by ion-pair solid-phase microextraction–in-port derivatization–gas chromatography–negative ion chemical ionization mass spectrometry 1042(2004)155

Trace analysis of methyl *tert*-butyl ether in water samples using headspace solvent microextraction and gas chromatography–flame ionization detection 1042(2004)211

Xylenes

Determination of alkylbenzene metabolites in groundwater by solid-phase extraction and liquid chromatography–tandem mass spectrometry 1042(2004)89