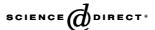


Available online at www.sciencedirect.com



JOURNAL OF CHROMATOGRAPHY A

Journal of Chromatography A, 1062 (2005) 293-298

www.elsevier.com/locate/chroma

Subject Index Vol. 1062

Additives

Identification and quantification of (polymeric) hindered-amine light stabilizers in polymers using pyrolysis—gas chromatography—mass spectrometry and liquid chromatography—ultraviolet absorbance detection—evaporative light scattering detection— 1062(2005)227

Alcohol ethoxylates

SPE/LC/ESI/MS with phthalic anhydride derivatisation for the determination of alcohol ethoxylate surfactants in sewage influent and effluent samples 1062(2005)39

Alcohols

Dynamic headspace liquid-phase microextraction of alcohols 1062(2005)15

Aldehydes

Sol-gel approach to in situ creation of high pH-resistant surface-bonded organic-inorganic hybrid zirconia coating for capillary microextraction (in-tube SPME) 1062(2005)1

Alkylphenol

Stir bar sorptive extraction and trace analysis of alkylphenols in water samples by thermal desorption with *in tube* silylation and gas chromatography–mass spectrometry 1062(2005)23

Gas chromatography–mass spectrometry analysis of alkylphenols in cod (*Gadus morhua*) tissues as pentafluorobenzoate derivatives 1062(2005)255

Amperometric detection

Comparison of voltammetric detection assisted by multivariate curve resolution with amperometric detection in liquid chromatographic analysis of cysteine-containing compounds 1062(2005)95

Amphoteric surfactant

Simultaneous quantification of poly-dispersed anionic, amphoteric and nonionic surfactants in simulated wastewater samples using C_{18} high-performance liquid chromatography–quadrupole ion-trap mass spectrometry 1062(2005)217

Anionic surfactant

Simultaneous quantification of poly-dispersed anionic, amphoteric and nonionic surfactants in simulated wastewater samples using C_{18} high-performance liquid chromatography–quadrupole ion-trap mass spectrometry 1062(2005)217

Apples

Liquid chromatography determination of residue levels on apples treated with cetylpyridinium chloride 1062(2005)285

1,1'-Bi-2-naphthol

Efficient resolution of racemic 1,1'-bi-2-naphthol with chiral selectors identified from a small library 1062(2005)87

Biological assay

Two-step chromatographic purification of recombinant human thyrotrophin and its immunological, biological, physico-chemical and mass spectral characterization 1062(2005)103

Bioreactors

Simultaneous quantification of poly-dispersed anionic, amphoteric and nonionic surfactants in simulated wastewater samples using C_{18} high-performance liquid chromatography–quadrupole ion-trap mass spectrometry 1062(2005)217

Bisphenol A

Sample preparation including sol-gel immunoaffinity chromatography for determination of bisphenol A in canned beverages, fruits and vegetables 1062(2005)189

Bubble formation

Direct observation of frits and dynamic air bubble formation in capillary electrochromatography using confocal fluorescence microscopy 1062(2005)275

Canned food

Sample preparation including sol-gel immunoaffinity chromatography for determination of bisphenol A in canned beverages, fruits and vegetables 1062(2005)189

Capillary column

Serially coupled capillary columns supercritical fluid chromatography with midpoint pressure control 1062(2005)269

Capillary electrochromatography

Direct observation of frits and dynamic air bubble formation in capillary electrochromatography using confocal fluorescence microscopy 1062(2005)275

Capillary electrophoresis

Studying the size/shape separation and optical properties of silver nanoparticles by capillary electrophoresis 1062(2005)139

Capillary liquid chromatography

Octyl-type monolithic columns of $530\mu m$ i.d. for capillary liquid chromatography 1062(2005)183

Capillary microextraction

Sol-gel approach to in situ creation of high pH-resistant surface-bonded organic-inorganic hybrid zirconia coating for capillary microextraction (in-tube SPME) 1062(2005)1

Cetylpyridinium chloride

Liquid chromatography determination of residue levels on apples treated with cetylpyridinium chloride 1062(2005)285

Chemical fingerprinting

Chromatographic preprocessing of GC–MS data for analysis of complex chemical mixtures 1062(2005)113

Chemometrics

Chromatographic preprocessing of GC-MS data for analysis of complex chemical mixtures 1062(2005)113

Chinese traditional medicine

Solid-phase extraction of esculetin from the ash bark of Chinese traditional medicine by using molecularly imprinted polymers 1062(2005)31

Chromatographic columns

Liquid-crystalline stationary phases for gas chromatography (Review) 1062(2005)155

Chromatographic fingerprint

Evaluation of novel sample identification approach based on chromatographic fingerprint set correlation homogeneity analysis 1062(2005)79

Chromatographic peaks

Chromatographic preprocessing of GC–MS data for analysis of complex chemical mixtures 1062(2005)113

Chromium

Determination of chromium(III) in water by solid-phase microextraction with a polyimide-coated fiber and gas chromatography-flame photometric detection 1062(2005)49

Cod

Gas chromatography–mass spectrometry analysis of alkylphenols in cod (*Gadus morhua*) tissues as pentafluorobenzoate derivatives 1062(2005)255

Column selectivity

Column selectivity in reversed-phase liquid chromatography. VII. Cyano-propyl columns 1062(2005)57

Combinatorial library

Efficient resolution of racemic 1,1'-bi-2-naphthol with chiral selectors identified from a small library 1062(2005)87

Confocal fluorescence microscopy

Direct observation of frits and dynamic air bubble formation in capillary electrochromatography using confocal fluorescence microscopy 1062(2005)275

Correlation

Harmonisation of coupled calibration curves to reduce correlated effects in the analysis of natural gas by gas chromatography 1062(2005)239

Correlation homogeneity

Evaluation of novel sample identification approach based on chromatographic fingerprint set correlation homogeneity analysis 1062(2005)79

Coumarin

Solid-phase extraction of esculetin from the ash bark of Chinese traditional medicine by using molecularly imprinted polymers 1062(2005)31

Covariance

Harmonisation of coupled calibration curves to reduce correlated effects in the analysis of natural gas by gas chromatography 1062(2005)239

Cyanopropyl columns

Column selectivity in reversed-phase liquid chromatography. VII. Cyanopropyl columns 1062(2005)57

Daphnetin

Solid-phase extraction of esculetin from the ash bark of Chinese traditional medicine by using molecularly imprinted polymers 1062(2005)31

Diagnostic ratios

Chromatographic preprocessing of GC–MS data for analysis of complex chemical mixtures 1062(2005)113

Dry wipe

Determination of nitroaromatic and nitramine explosives from a PTFE wipe using thermal desorption-gas chromatography with electron-capture detection 1062(2005)125

Dual column

Determination of nitroaromatic and nitramine explosives from a PTFE wipe using thermal desorption-gas chromatography with electron-capture detection 1062(2005)125

Dual ECD

Determination of nitroaromatic and nitramine explosives from a PTFE wipe using thermal desorption-gas chromatography with electron-capture detection 1062(2005)125

Dynamic pH junction

Continuous on-line concentration based on dynamic pH junction for trimethoprim and sulfamethoxazole by microfluidic capillary electrophoresis combined with flow injection analysis system 1062(2005)133

Enantiomer separation

Efficient resolution of racemic 1,1'-bi-2-naphthol with chiral selectors identified from a small library 1062(2005)87

Environmental samples

SPE/LC/ESI/MS with phthalic anhydride derivatisation for the determination of alcohol ethoxylate surfactants in sewage influent and effluent samples 1062(2005)39

Esculetin

Solid-phase extraction of esculetin from the ash bark of Chinese traditional medicine by using molecularly imprinted polymers 1062(2005)31

Esculin

Solid-phase extraction of esculetin from the ash bark of Chinese traditional medicine by using molecularly imprinted polymers 1062(2005)31

Explosive

Determination of nitroaromatic and nitramine explosives from a PTFE wipe using thermal desorption-gas chromatography with electron-capture detection 1062(2005)125

Exponential-Gaussian hybrid

Chromatographic preprocessing of GC–MS data for analysis of complex chemical mixtures 1062(2005)113

Extraction method

Dynamic headspace liquid-phase microextraction of alcohols 1062(2005)15

Flavanones

Novel methods to extract flavanones and xanthones from the root bark of $Maclura\ pomifera$ 1062(2005)175

Flavone

Identification and quantification of eight flavones in root and shoot tissues of the medicinal plant Huang-qin (*Scutellaria baicalensis* Georgi) using high-performance liquid chromatography with diode array and mass spectrometric detection 1062(2005)199

Flow injection

Continuous on-line concentration based on dynamic pH junction for trimethoprim and sulfamethoxazole by microfluidic capillary electrophoresis combined with flow injection analysis system 1062(2005)133

Food analysis

Dynamic headspace liquid-phase microextraction of alcohols 1062(2005)15

Sample preparation including sol-gel immunoaffinity chromatography for determination of bisphenol A in canned beverages, fruits and vegetables 1062(2005)189

Frits

Direct observation of frits and dynamic air bubble formation in capillary electrochromatography using confocal fluorescence microscopy 1062(2005)275

Gas chromatography

Sol-gel approach to in situ creation of high pH-resistant surface-bonded organic-inorganic hybrid zirconia coating for capillary microextraction (intube SPME) 1062(2005)1

Liquid-crystalline stationary phases for gas chromatography (Review) 1062(2005)155

Gas chromatography-flame photometric detection

Determination of chromium(III) in water by solid-phase microextraction with a polyimide-coated fiber and gas chromatography-flame photometric detection 1062(2005)49

Gases

Harmonisation of coupled calibration curves to reduce correlated effects in the analysis of natural gas by gas chromatography 1062(2005)239

Gaussian peak function

Chromatographic preprocessing of GC–MS data for analysis of complex chemical mixtures 1062(2005)113

GC-ECD

Determination of nitroaromatic and nitramine explosives from a PTFE wipe using thermal desorption-gas chromatography with electron-capture detection 1062(2005)125

GC-MS

Identification and quantification of (polymeric) hindered-amine light stabilizers in polymers using pyrolysis–gas chromatography–mass spectrometry and liquid chromatography–ultraviolet absorbance detection– evaporative light scattering detection 1062(2005)227

HALS

Identification and quantification of (polymeric) hindered-amine light stabilizers in polymers using pyrolysis—gas chromatography—mass spectrometry and liquid chromatography—ultraviolet absorbance detection evaporative light scattering detection— 1062(2005)227

Harmonisation

Harmonisation of coupled calibration curves to reduce correlated effects in the analysis of natural gas by gas chromatography 1062(2005)239

Headspace liquid-phase microextraction

Dynamic headspace liquid-phase microextraction of alcohols 1062(2005)15

HPLC

Comparison of voltammetric detection assisted by multivariate curve resolution with amperometric detection in liquid chromatographic analysis of cysteine-containing compounds 1062(2005)95

Two-step chromatographic purification of recombinant human thyrotrophin and its immunological, biological, physico-chemical and mass spectral characterization 1062(2005)103

Identification and quantification of (polymeric) hindered-amine light stabilizers in polymers using pyrolysis—gas chromatography—mass spectrometry and liquid chromatography—ultraviolet absorbance detection—evaporative light scattering detection—1062(2005)227

Hyphenated techniques

Sol-gel approach to in situ creation of high pH-resistant surface-bonded organic-inorganic hybrid zirconia coating for capillary microextraction (intube SPME) 1062(2005)1

In tube derivatization

Stir bar sorptive extraction and trace analysis of alkylphenols in water samples by thermal desorption with *in tube* silylation and gas chromatography–mass spectrometry 1062(2005)23

In-tube SPME

Sol-gel approach to in situ creation of high pH-resistant surface-bonded organic-inorganic hybrid zirconia coating for capillary microextraction (intube SPME) 1062(2005)1

Isotope dilution

Isotope dilution determination of polycyclic aromatic hydrocarbons in olive pomace oil by gas chromatography–mass spectrometry 1062(2005)247

Isotope-dilution method

Gas chromatography–mass spectrometry analysis of alkylphenols in cod (*Gadus morhua*) tissues as pentafluorobenzoate derivatives 1062(2005)255

Ketones

Sol—gel approach to in situ creation of high pH-resistant surface-bonded organic—inorganic hybrid zirconia coating for capillary microextraction (intube SPME) 1062(2005)1

LC/MS

SPE/LC/ESI/MS with phthalic anhydride derivatisation for the determination of alcohol ethoxylate surfactants in sewage influent and effluent samples 1062(2005)39

Liquid chromatography

Simultaneous quantification of poly-dispersed anionic, amphoteric and nonionic surfactants in simulated wastewater samples using C_{18} high-performance liquid chromatography–quadrupole ion-trap mass spectrometry 1062(2005)217

Liquid crystals

Liquid-crystalline stationary phases for gas chromatography (Review) 1062(2005)155

Maclura pomifera

Novel methods to extract flavanones and xanthones from the root bark of *Maclura pomifera* 1062(2005)175

Maize

Rapid simultaneous determination of major type A- and B-trichothecenes as well as zearalenone in maize by high performance liquid chromatography–tandem mass spectrometry 1062(2005)209

MALDI-TOF

Two-step chromatographic purification of recombinant human thyrotrophin and its immunological, biological, physico-chemical and mass spectral characterization 1062(2005)103

Mass spectrometry

Simultaneous quantification of poly-dispersed anionic, amphoteric and nonionic surfactants in simulated wastewater samples using C_{18} high-performance liquid chromatography–quadrupole ion-trap mass spectrometry 1062(2005)217

Matrix solid-phase dispersion

Novel methods to extract flavanones and xanthones from the root bark of *Maclura pomifera* 1062(2005)175

Methacrylate

Octyl-type monolithic columns of $530\mu m$ i.d. for capillary liquid chromatography 1062(2005)183

7-methoxylcoumarin

Solid-phase extraction of esculetin from the ash bark of Chinese traditional medicine by using molecularly imprinted polymers 1062(2005)31

Microfluidic capillary electrophoresis

Continuous on-line concentration based on dynamic pH junction for trimethoprim and sulfamethoxazole by microfluidic capillary electrophoresis combined with flow injection analysis system 1062(2005)133

Migration

Identification and quantification of (polymeric) hindered-amine light stabilizers in polymers using pyrolysis–gas chromatography–mass spectrometry and liquid chromatography–ultraviolet absorbance detection–evaporative light scattering detection 1062(2005)227

Molecularly imprinted polymers

Solid-phase extraction of esculetin from the ash bark of Chinese traditional medicine by using molecularly imprinted polymers 1062(2005)31

Monolithic columns

Octyl-type monolithic columns of $530\mu m$ i.d. for capillary liquid chromatography 1062(2005)183

Multivariate curve resolution

Comparison of voltammetric detection assisted by multivariate curve resolution with amperometric detection in liquid chromatographic analysis of cysteine-containing compounds 1062(2005)95

Mycotoxins

Rapid simultaneous determination of major type A- and B-trichothecenes as well as zearalenone in maize by high performance liquid chromatography—tandem mass spectrometry 1062(2005)209

Natural gas

Harmonisation of coupled calibration curves to reduce correlated effects in the analysis of natural gas by gas chromatography 1062(2005)239

Nonionic surfactant

Simultaneous quantification of poly-dispersed anionic, amphoteric and nonionic surfactants in simulated wastewater samples using C_{18} high-performance liquid chromatography–quadrupole ion-trap mass spectrometry 1062(2005)217

Normalisation

Harmonisation of coupled calibration curves to reduce correlated effects in the analysis of natural gas by gas chromatography 1062(2005)239

Olive oil

Isotope dilution determination of polycyclic aromatic hydrocarbons in olive pomace oil by gas chromatography–mass spectrometry 1062(2005)247

PCA

Chromatographic preprocessing of GC-MS data for analysis of complex chemical mixtures 1062(2005)113

Pentafluorobenzoyl

Gas chromatography–mass spectrometry analysis of alkylphenols in cod (*Gadus morhua*) tissues as pentafluorobenzoate derivatives 1062(2005)255

Peptide map

Evaluation of novel sample identification approach based on chromatographic fingerprint set correlation homogeneity analysis 1062(2005)79

pH stability

Sol-gel approach to in situ creation of high pH-resistant surface-bonded organic-inorganic hybrid zirconia coating for capillary microextraction (in-tube SPME) 1062(2005)1

Phenolic compounds

Novel methods to extract flavanones and xanthones from the root bark of *Maclura pomifera* 1062(2005)175

Phthalic anhydride derivatisation

SPE/LC/ESI/MS with phthalic anhydride derivatisation for the determination of alcohol ethoxylate surfactants in sewage influent and effluent samples 1062(2005)39

Polycyclic aromatic hydrocarbons

Sol-gel approach to in situ creation of high pH-resistant surface-bonded organic-inorganic hybrid zirconia coating for capillary microextraction (intube SPME) 1062(2005)1

Isotope dilution determination of polycyclic aromatic hydrocarbons in olive pomace oil by gas chromatography–mass spectrometry 1062(2005)247

Purification

Two-step chromatographic purification of recombinant human thyrotrophin and its immunological, biological, physico-chemical and mass spectral characterization 1062(2005)103

Pyrolysis

Identification and quantification of (polymeric) hindered-amine light stabilizers in polymers using pyrolysis–gas chromatography–mass spectrometry and liquid chromatography–ultraviolet absorbance detection–evaporative light scattering detection 1062(2005)227

Randomization test

Evaluation of novel sample identification approach based on chromatographic fingerprint set correlation homogeneity analysis 1062(2005)79

Residue levels

Liquid chromatography determination of residue levels on apples treated with cetylpyridinium chloride 1062(2005)285

Reversed-phase liquid chromatography

Column selectivity in reversed-phase liquid chromatography. VII. Cyanopropyl columns 1062(2005)57

Sample identification

Evaluation of novel sample identification approach based on chromatographic fingerprint set correlation homogeneity analysis 1062(2005)79

Sample preconcentration

Sol-gel approach to in situ creation of high pH-resistant surface-bonded organic-inorganic hybrid zirconia coating for capillary microextraction (intube SPME) 1062(2005)1

Sample pretreatment

Sample preparation including sol-gel immunoaffinity chromatography for determination of bisphenol A in canned beverages, fruits and vegetables 1062(2005)189

Scutellaria baicalensis

Identification and quantification of eight flavones in root and shoot tissues of the medicinal plant Huang-qin (*Scutellaria baicalensis* Georgi) using high-performance liquid chromatography with diode array and mass spectrometric detection 1062(2005)199

SDS-PAGE

Two-step chromatographic purification of recombinant human thyrotrophin and its immunological, biological, physico-chemical and mass spectral characterization 1062(2005)103

Sea sand

Novel methods to extract flavanones and xanthones from the root bark of *Maclura pomifera* 1062(2005)175

Selectivity tuning

Serially coupled capillary columns supercritical fluid chromatography with midpoint pressure control 1062(2005)269

Serial coupling

Serially coupled capillary columns supercritical fluid chromatography with midpoint pressure control $\,-\,1062(2005)269$

Silver nanoparticles

Studying the size/shape separation and optical properties of silver nanoparticles by capillary electrophoresis 1062(2005)139

Simultaneous quantification

Simultaneous quantification of poly-dispersed anionic, amphoteric and nonionic surfactants in simulated wastewater samples using C_{18} high-performance liquid chromatography–quadrupole ion-trap mass spectrometry 1062(2005)217

Size and shape separation

Studying the size/shape separation and optical properties of silver nanoparticles by capillary electrophoresis 1062(2005)139

Sol-gel extraction media

Sol-gel approach to in situ creation of high pH-resistant surface-bonded organic-inorganic hybrid zirconia coating for capillary microextraction (intube SPME) 1062(2005)1

Sol-gel immunoaffinity chromatography

Sample preparation including sol-gel immunoaffinity chromatography for determination of bisphenol A in canned beverages, fruits and vegetables 1062(2005)189

Sol-gel technology

Sol-gel approach to in situ creation of high pH-resistant surface-bonded organic-inorganic hybrid zirconia coating for capillary microextraction (intube SPME) 1062(2005)1

Sol-gel zirconia poly(dimethyldiphenylsiloxane) coating

Sol-gel approach to in situ creation of high pH-resistant surface-bonded organic-inorganic hybrid zirconia coating for capillary microextraction (intube SPME) 1062(2005)1

Solid-phase extraction

Solid-phase extraction of esculetin from the ash bark of Chinese traditional medicine by using molecularly imprinted polymers 1062(2005)31

SPE/LC/ESI/MS with phthalic anhydride derivatisation for the determination of alcohol ethoxylate surfactants in sewage influent and effluent samples 1062(2005)39

Solid-phase microextraction

Determination of chromium(III) in water by solid-phase microextraction with a polyimide-coated fiber and gas chromatography-flame photometric detection 1062(2005)49

Stationary phases

Liquid-crystalline stationary phases for gas chromatography (Review) 1062(2005)155

Octyl-type monolithic columns of $530\mu m$ i.d. for capillary liquid chromatography 1062(2005)183

Stir bar sorptive extraction (SBSE)

Stir bar sorptive extraction and trace analysis of alkylphenols in water samples by thermal desorption with *in tube* silylation and gas chromatography–mass spectrometry 1062(2005)23

Sulfamethoxazole

Continuous on-line concentration based on dynamic pH junction for trimethoprim and sulfamethoxazole by microfluidic capillary electrophoresis combined with flow injection analysis system 1062(2005)133

Supercritical fluid chromatography

Serially coupled capillary columns supercritical fluid chromatography with midpoint pressure control 1062(2005)269

Surfactant

Simultaneous quantification of poly-dispersed anionic, amphoteric and nonionic surfactants in simulated wastewater samples using C_{18} high-performance liquid chromatography–quadrupole ion-trap mass spectrometry 1062(2005)217

Tandem mass spectrometry

Rapid simultaneous determination of major type A- and B-trichothecenes as well as zearalenone in maize by high performance liquid chromatography—tandem mass spectrometry 1062(2005)209

Thermal desorption

Stir bar sorptive extraction and trace analysis of alkylphenols in water samples by thermal desorption with *in tube* silylation and gas chromatography–mass spectrometry 1062(2005)23

Determination of nitroaromatic and nitramine explosives from a PTFE wipe using thermal desorption-gas chromatography with electron-capture detection 1062(2005)125

Thiols

Comparison of voltammetric detection assisted by multivariate curve resolution with amperometric detection in liquid chromatographic analysis of cysteine-containing compounds 1062(2005)95

Thyrotropin

Two-step chromatographic purification of recombinant human thyrotrophin and its immunological, biological, physico-chemical and mass spectral characterization 1062(2005)103

Trichothecenes

Rapid simultaneous determination of major type A- and B-trichothecenes as well as zearalenone in maize by high performance liquid chromatography—tandem mass spectrometry 1062(2005)209

Trimethoprim

Continuous on-line concentration based on dynamic pH junction for trimethoprim and sulfamethoxazole by microfluidic capillary electrophoresis combined with flow injection analysis system 1062(2005)133

Uncertainty

Harmonisation of coupled calibration curves to reduce correlated effects in the analysis of natural gas by gas chromatography 1062(2005)239

Voltammetric detection

Comparison of voltammetric detection assisted by multivariate curve resolution with amperometric detection in liquid chromatographic analysis of cysteine-containing compounds 1062(2005)95

Waste water

Simultaneous quantification of poly-dispersed anionic, amphoteric and nonionic surfactants in simulated wastewater samples using C₁₈ high-

performance liquid chromatography–quadrupole ion-trap mass spectrometry 1062(2005)217

Water sample

Stir bar sorptive extraction and trace analysis of alkylphenols in water samples by thermal desorption with *in tube* silylation and gas chromatography–mass spectrometry 1062(2005)23

Xanthones

Novel methods to extract flavanones and xanthones from the root bark of *Maclura pomifera* 1062(2005)175

Zearalenone

Rapid simultaneous determination of major type A- and B-trichothecenes as well as zearalenone in maize by high performance liquid chromatography–tandem mass spectrometry 1062(2005)209