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Poster Session Monday 19 Feb 2007

MoPo1. OPTIMIZED FLOW BLURRING NEBULIZER-BASED SAMPLE INTRODUCTION SYSTEM AS A GENERAL ATTEMPT TO REMOVE NON-SPECTROSCOPIC INTERFERENCES PRODUCED BY HIGH CONTENT OF MINERAL ACIDS ON ICP-AES

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MoPo2. INTRODUCING THE T2100 – A NEW HIGH SOLIDS / SLURRY NEBULIZER

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MoPo3. MICROCAPILLARY ARRAY NEBULIZER – A FLEXIBLE TOOL FOR LIQUID AEROSOL GENERATION FOR OPTICAL AND MASS SPECTROMETRY

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MoPo4. SPECTROSCOPIC DIAGNOSTICS FOR EVALUATION OF THE ANALYTICAL POTENTIAL OF ARGON + HELIUM MIP WITH SOLUTION NEBULIZATION.

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MoPo5. CALIBRATION STRATEGIES FOR DIRECT DETERMINATION OF MAJOR AND TRACE METAL CONTENT BY CONTINUOUS POWDER INTRODUCTION MICROWAVE INDUCED PLASMA OPTICAL EMISSION SPECTROMETRY

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MoPo6. COMPARISON OF EXCITATION CONDITIONS IN INDUCTIVELY COUPLED PLASMA AT VARIOUS SAMPLE INTRODUCTION SYSTEMS

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MoPo7. ATOMIZER FOR SPECTROCHEMICAL ANALYSIS

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MoPo8. LASER-BASED AEROSOL DESOLVATION SYSTEM FOR LIQUID SAMPLE INTRODUCTION IN ICP-OES AND ICP-MS: A VIABILITY STUDY

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MoPo9. ICP-MS AND X-RAY ABSORPTION SPECTROSCOPY STUDIES OF THE ARSENIC UPTAKE AND SPECIATION IN CORN PLANTS

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MoPo10. COMPARISON OF EXCITATION CONDITIONS IN ICP-OES AND THEIR USE FOR OPTIMIZED ANALYSIS

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MoPo11. NEW APPLICATION POSSIBILITIES OF HIGH RESOLUTION-CONTINUUM SOURCE AAS (HR-CS AAS) CLOSING THE GAP BETWEEN SEQUENTIAL ICP-OES AND AAS

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MoPo12. MATRIX EFFECT OVERCOMING IN ENVIRONMENTAL ICP-AES ATOMIC EMISSION ELEMENTAL ANALYSIS

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MoPo13. EMISSION CHARACTERISTICS OF OKAMOTO-CAVITY MICROWAVE-INDUCED PLASMA IN DIRECT INTRODUCTION OF ORGANIC SOLVENTS AND ITS APPLICATION TO ANALYSIS OF MIBK EXTRACTED FROM IRON-MATRIX SAMPLES

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MoPo14. ELECTROTHERMAL VAPORIZATION INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY FOR DIRECT SOLID SAMPLING: POTENTIAL FOR CHALLENGING APPLICATIONS

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MoPo15. COMPUTATIONAL FLUID DYNAMIC RESULTS FOR SEVERAL (NEW) SPRAY CHAMBERS IN ICPMS

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MoPo16. SAMPLE PRESENTATION IN MICROWAVE INDUCED PLASMA OPTICAL EMISSION SPECTROMETRY: EVOLUTION AND FUTURE TRENDS

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MoPo17. A MICRO-CAPILLARY SYSTEM COUPLED TO AN ICP-MS AS A NOVEL TECHNIQUE FOR INVESTIGATION OF MICRO-CORROSION PROCESSES.

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MoPo18. DEVELOPMENT AND CHARACTERIZATION OF A LOW ARGON CONSUMPTION TORCH FOR INDUCTIVELY COUPLED PLASMA SPECTROMETRY

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MoPo19. INFRARED THERMOGRAPHY: A FAST AND EASY TECHNIQUE FOR OPTIMIZATION OF NEW TORCHES FOR INDUCTIVELY COUPLED PLASMAS

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MoPo20. TIME-OF-FLIGHT MASS-SPECTROMETRY WITH PULSED DISCHARGE IN COMBINED HOLLOW CATHODE

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MoPo21. USEPA200.7 CANNOT BE USED FOR COMPLAINT MULTIELEMENT ANALYSIS OF DRINKING WATER – IS EPA 200.5 AN ALTERNATIVE? A CRITICAL EXAMINATION OF RADially (RV) AND AXIALLY VIEWED (AX) ICPS

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MoPo22. COMPARISON OF ELECTROTHERMAL VAPORIZATION INDUCTIVELY COUPLED PLASMA TIME AND DC ARC ATOMIC EMISSION SPECTROMETRY FOR MULTIELEMENT ANALYSIS OF GEOLOGICAL AND RELATED SAMPLES

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MoPo23. CLOUD POINT EXTRACTION AS A PRECONCENTRATION PROCEDURE FOR DETERMINATION OF TRACE METALS IN HIGH SALINE EFFLUENTS FROM PETROLEUM INDUSTRY BY USING ICP OES WITH ULTRASONIC NEBULIZATION

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MoPo24. IMPROVING LABORATORY THROUGHPUT AND QUALITY BY MEANS OF ASSISTANCE SOFTWARE TOOLS TO ACHIEVE RELIABLE RESULTS IN BOTH ROUTINE OR COMPLEX APPLICATIONS.

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MoPo25.

THE OPTIMASS ICP-oTOF-MS: THE NEXT STEP IN ELEMENTAL TRACE ANALYSIS

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MoPo26. BUILDING AND ANALYZING MODELS FROM DATA BY STIRRED TANK EXPERIMENTS FOR INVESTIGATION OF MATRIX EFFECTS AND SELECTION OF INTERNAL STANDARDS IN ICP-AES

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MoPo27. IN SITU MONITORING OF HELIUM CONCENTRATIONS USING VISIBLE EMISSION SPECTROSCOPY OF ATMOSPHERIC PLASMAS

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MoPo28. ION CHROMATOGRAPHY COUPLED WITH ICP-OES: OPTIMIZATION AND VALIDATION. APPLICATION TO THE ANALYSIS OF IMPURITIES IN PLUTONIUM.

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MoPo29. SPECTROSCOPIC CHARACTERISATION OF THE SLIDING SPARK PLASMA FOR TRACE ELEMENT ANALYSIS IN SOLID DIELECTRICS

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MoPo30. MICROWAVE INDUCED PLASMA SPECTROMETRY (MIP) AS DETECTOR FOR CARRIER GAS HOT EXTRACTION (CGHE)

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MoPo31. EFFECT OF DIFFERENT COMPOUNDS ON THE SIGNAL OF ELEMENTS IN ICP-MS ANALYSIS

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MoPo32. APPLICATION OF DRC FOR SPECTRAL INTERFERENCES ELIMINATION IN ICP-MS DETERMINATION OF Fe AND Ca IN Ni-Mo/Al₂O₃ CATALYSTS

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MoPo33. OPTIMISED SAMPLE INTRODUCTION FOR CE-ICP-MS COUPLING

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MoPo34. MODELING THE INFLUENCE OF FIRST IONIZATION ENERGIES OF ADDED EASILY IONIZED ELEMENTS ON ANALYTE EMISSION INTENSITIES IN ARGON ARC PLASMA

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MoPo35. MULTI-ELEMENT ICP-OES DETERMINATION IN ATMOSPHERIC PARTICULATE MATTER (PM₁₀ AND PM_{2.5}) AFTER CHELATING SOLVENTS BASED PRESSURISED LIQUID EXTRACTION

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MoPo36. CHEMOMETRIC STUDY OF RAFT MUSSELS FROM RÍA DE AROUSA ESTUARY ACCORDING WITH TRACE METALS CONTENT AFTER ICP-OES DETERMINATION

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MoPo37. METHOD DEVELOPMENTS TO PERFORM METAL DETERMINATION USING HYDRIDE GENERATION-ICP-OES

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MoPo38. UV VAPOUR GENERATION AS INTRODUCTION TECHNIQUE FOR ICP-OES

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MoPo39. COMPUTER SIMULATIONS OF DIELECTRIC BARRIER DISCHARGES USED FOR ANALYTICAL SPECTROMETRY

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MoPo40. THE INFLUENCE OF SMALL ADDITION OF MOLECULAR GASES ON ANALYTE RADIAL DISTRIBUTION OF EMISSION AND ABSORPTION IN ARGON DC ARC PLASMA

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MoPo41. THE INFLUENCE OF NITROGEN, EITHER ADDED AS PLASMA GAS OR PRESENT AS ANALYTE, IN GLOW DISCHARGE-OPTICAL EMISSION SPECTROMETRY

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MoPo42. ANALYSIS OF HIGH PURITY METALS AND BEYOND USING GLOW DISCHARGE MASS SPECTROMETRY

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MoPo43. ANALYSIS OF LIGHT ELEMENTS BY GLOW DISCHARGE OPTICAL EMISSION SPECTROMETRY -

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MoPo44. AN EFFECTIVE RESISTANCE APPROACH FOR MEASURING THE PLASMA POWER IN RF-GLOW DISCHARGES USED FOR GDOES.

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MoPo45. DETERMINATION OF BROMINE IN FLAME RETARDANT COATINGS BY RADIOFREQUENCY GLOW DISCHARGE - OPTICAL EMISSION SPECTROMETRY

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MoPo46. DETERMINATION OF IMPURITIES ON THE SURFACE AND IN THE SUB-SURFACE OF SILICA AND KDP OPTICS BY ICP AND GD ANALYTICAL TECHNIQUES

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MoPo47. CLUSTERS IN TIME-OF-FLIGHT MASS SPECTROMETRY WITH PULSED GLOW DISCHARGE IN COMBINED HOLLOW CATHODE.

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MoPo48. MICROSECOND GRIMM-TYPE PULSED GLOW DISCHARGE AS IONS SOURCE FOR MASS-SPECTROMETRY

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MoPo49. TRACE ELEMENTS ANALYSIS IN LAVA FROM ETNA BY GDMS

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MoPo50. MICROSECOND PULSED GLOW DISCHARGE TIME-OF-FLIGHT MASS SPECTROMETRY FOR THE ANALYSIS OF THIN LAYERS ON SOLID SAMPLES
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MoPo51. EXPLOSIVE DETECTION BY GLOW DISCHARGE MASS SPECTROMETRY (GD-MS)
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MoPo52. LIQUID CHROMATOGRAPHY-PARTICLE BEAM/MASS SPECTROMETRY (LC-PB/MS) ANALYSIS OF NUTRACEUTICALS USING ELECTRON IMPACT AND GLOW DISCHARGE IONIZATION SOURCES
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MoPo53. INFLUENCE OF HYDROGEN ON THE EMISSION SPECTRA OF SILICON AND GLASS SAMPLES IN AN ARGON RADIOFREQUENCY GLOW DISCHARGE
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MoPo54. THE TIME-OF-FLIGHT MASS SPECTROMETRY WITH PULSED GLOW DISCHARGE IN HOLLOW CATHODE FOR DIELECTRIC SOLID SAMPLES ANALYSIS
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MoPo55. COMPARISON OF DIFFERENT QUANTIFICATION PROCEDURES IN GLOW DISCHARGE MASS SPECTROMETRY APPLIED TO HIGH-PURITY METALS
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MoPo56. ENHANCEMENT OF SIGNAL SENSITIVITY IN GLOW DISCHARGE OPTICAL EMISSION SPECTROSCOPY BY USE OF THE HOLLOW CATHODE EFFECT FOR THE ANALYSIS OF PURE METALS

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MoPo57. TARTARIC, CITRIC AND DIPICOLINIC ACID EFFECTS ON ICP-AES EXCITATION CONDITIONS

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MoPo58. DETERMINATION OF MERCURY IN ORGANIC PHASE BY DIRECT INJECTION AND COLD VAPOR GENERATION-INDUCTIVELY COUPLED PLASMA OPTICAL EMISSION SPECTROMETRY

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MoPo59. ULTRASOUND-ASSISTED ACID LEACHING FOR THE DETERMINATION OF Fe, Ni AND V IN ASPHALTENE SAMPLES USING ICP OES

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MoPo60. BETTER CORRECTION FOR STRUCTURED BACKGROUND IN DIFFERENT ICP-OES APPLICATIONS

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MoPo61. DETERMINATION OF TOTAL Cs IN IRRADIATED SALT SAMPLES BY ICP-AES

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MoPo62. IMPROVED COLLISION/REACTION CELL TECHNOLOGY METHODS FOR THE ANALYSIS OF ENVIRONMENTAL SAMPLES

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MoPo63. UNCERTAINTY CALCULATIONS ASSOCIATED WITH THE CERTIFIED VALUE OF AN ANTIMONY REFERENCE MATERIAL DETERMINED BY ICP USING A THREE POINT CALIBRATION CURVE.

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MoPo64. DEVELOPMENT OF NEW DESIGN LOW FLOW PLASMA TORCH FOR ICP-MS

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MoPo65. ADVANCES IN THE DETERMINATION OF MERCURY BY THERMAL DECOMPOSITION, AMALGAMATION, AND COLD VAPOR ATOMIC ABSORPTION SPECTROSCOPY

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MoPo66. A CORRELATION-BASED STRATEGY FOR REDUCING INTERFERENCES IN INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY

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MoPo67. THE ANALYSIS OF RADIOACTIVE PHARMACEUTICAL SAMPLES USING AN ELAN 9000 DRC ADAPTED TO A STANDARD STAINLESS STEEL GLOVE BOX IN COMBINATION WITH A HIGHLY SHIELDED GLOVE BOX.

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MoPo68. EVALUATION OF INTERFERENCE RETARDING REAGENTS FOR DETERMINATION OF As, Bi, Sb, Se, Sn AND Te IN HIGH ALLOY STEEL AND Ni

SUPER ALLOYS USING A MULTIMODE SAMPLE INTRODUCTION SYSTEM (MSIS) AND HYDRIDE GENERATION ICP-AES

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MoPo69. EFFECT OF SODIUM, BORON AND HYDROGEN ON THE PLASMA IN HYDRIDE GENERATION INDUCTIVELY COUPLED ATOMIC EMISSION SPECTROMETRY (HG-ICP-AES)

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MoPo70. ICP-MS WITH ENHANCED TOLERANCE TO MATRIX SAMPLES CONTAINING PERCENTAGE LEVELS OF TOTAL DISSOLVED SOLID

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MoPo71. FORENSIC ANALYSIS USING MERCURY CONCENTRATION MEASUREMENTS IN SHOOTING PRODUCTS BY ZEEMAN ATOMIC ABSORPTION SPECTROSCOPY

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MoPo72. ON-LINE ANALYSIS OF Cr(III) AND Cr(VI) BY COUPLING ICP-OES AND A HOLLOW FIBER LIQUID MEMBRANE ANNULAR CONTACTOR

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MoPo73. THIN FILMS CHARACTERIZATION USING SEVERAL COMPLEMENTARY SPECTROMETRIC TECHNIQUES

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MoPo74. INVESTIGATION OF DRY PLASMA CONDITIONS IN GC-ICPMS COUPLED SYSTEM

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MoPo75. COMPARISON OF DISSOLUTION APPROACHES AND SOLID SAMPLING TECHNIQUES FOR THE DETERMINATION OF SILVER IN POLYMER SAMPLES

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MoPo76. EVALUATION OF MASS BIAS AND ITS ASSOCIATED UNCERTAINTY IN QUADRUPOLE, DOUBLE FOCUSING AND MULTICollector ICP-MS INSTRUMENTS

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MoPo77. EVALUATION OF DIFFERENT IONIC IMPRINTED POLYMERS FOR TRACE ELEMENTS SOLID PHASE EXTRACTION FROM SEAWATER FOLLOWED BY ICP-OES DETERMINATION

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MoPo78. MULTI-ELEMENT METHOD FOR TRACE ELEMENTS IN EDIBLE OILS BY ICP-MS – REPLACING GF-AAS

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MoPo79. USE OF NORMALIZED PROCEDURES FOR METHOD VALIDATION OF TRACE ELEMENTS IN CCD-BASED ICP-AES

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MoPo80. PULSE SYNCHRONIZED ICP SYSTEM USING DIRECT DROPLET INJECTION NEBULIZER FOR NANO-LITER ANALYSIS

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