



40th ANNUAL WESTERN CANADA TRACE ORGANIC WORKSHOP

May 2 - 4, 2005

Clarion Hotel and Suites

1445 Portage Avenue

Winnipeg, Manitoba

Sunday, May 1

7:30-10:30 p.m. Mixer and Registration – **Saskatchewan Room**

Monday, May 2 Manitoba Room

8:15 a.m. Registration & continental breakfast – courtesy of **London Scientific Ltd.**

9:00 a.m. **Chair: Veronica Roscoe**, Health Canada, Winnipeg
Introductory Remarks and Announcements

9:10 a.m. Methods for Detection of Prion Protein in Transmissible Spongiform Encephalopathies, **Don Noot**, Alberta Agriculture, Food and Rural Development, Edmonton

9:40 a.m. Pharmaceuticals and Personal Care Products in the Environment, **Dave Humphries**, Alberta Research Council, Vegreville

10:10 a.m. COFFEE & POSTERS & EXHIBITS – courtesy of **Anachemia Science**

10:55 a.m. **Chair: Tom Nowicki**, Canadian Grain Commission, Winnipeg, MB

11:00 a.m. Analysis of OCs and Toxaphene in Oily Waste Solvents Using Quad NCI, **Colin Jennison**, Varian Canada

11:30 a.m. Atmospheric Concentrations of Current-Use Pesticides in Saskatchewan - Spatial and Temporal Trends, **Don T. Waite**, Environment Canada, Regina, A. J. Cessna, D.V. Quiring, T. Harner, P. Blanchard and L. Tuduri

12:00 p.m. LUNCH - courtesy of **Varian Canada Inc.**

1:30 p.m. **Chair: Allan Cessna**, Environment Canada, Saskatoon, SK

1:35 p.m. Analytical Method for the Determination of Lindane Volatilizing from Canola Fields, **Narine Guprasad**, D.T. Waite, J.F. Sproull, D.F. Chau, E.I. Cabalo, N.A. Haidar and C. Yang, Environment Canada, Edmonton

- 2:05 p.m. GC/MS characterization of methyl-, silyl- and pentafluorobenzyl- esters of Oilsands Naphthenic Acids, **John Headley**, NHWI, Environment Canada, Saskatoon
- 2:35 p.m. COFFEE & POSTERS & EXHIBITS – courtesy of **Mandel Scientific Company Inc.**
- 3:15 p.m. **Chair: Dave Humphries**, Alberta Research Council, Vegreville, AB
- 3:20 p.m. Dissipation of Lincomycin in a Fortified Prairie Wetland, **Allan Cessna**, Environment Canada, Saskatoon
- 3:50 p.m. High Throughput Trace Analysis - Advanced HPLC Method Development, **Stephen Antonsen**, Dionex Canada Ltd.
- 4:20 p.m. Pesticide analysis strategy in a case of unexplained bird die-off, **John Nichols**, Oregon Dept. of Agriculture, Portland, Oregon
- 4:50 p.m. **ADJOURN**

Tuesday, May 3 Manitoba Room

- 8:00 a.m. Registration & continental breakfast – **courtesy of Dionex Canada Ltd.**
- 8:30 a.m. **Chair: Susan Kotello**, Health Canada, Winnipeg, MB
- 8:35 a.m. An Integrated Approach to PPCPs: Chemistry and Toxicogenomics, **Brad McPherson**, Environment Canada, North Vancouver
- 9:05 a.m. A LC/MS Multi-Analyte Screening Method for Deleterious Organics in Drinking Water, **Jim Krol**, Waters Ltd., J. Romano, L. Zintek
- 9:35 a.m. Utility of H-SRM in LC-MS/MS assays of environmental samples using the Finnigan TSQ Quantum, **Dipankar Ghosh**, Thermo Electron Corp. San Jose, CA
- 10:05 a.m. COFFEE & POSTERS & EXHIBITS - courtesy of **K'(Prime) Technologies**
- 10:45 a.m. **Chair: Don Noot**, Alberta Agriculture, Food and Rural Development, Edmonton, AB
- 10:50 a.m. A LC/MS method for the direct analysis of paralytic shellfish poisoning (PSP) toxins in fish and shellfish, **Thea Rawn**, B. P.-Y. Lau and B. Niedzwiadek, Health Canada, Ottawa
- 11:20 a.m. Determination of Five Macrolide Antibiotic Residues in Eggs using Liquid Chromatography/Electrospray Ionization Tandem Mass Spectrometry, **Jian Wang**, CFIA, Calgary
- 11:50 a.m. LUNCH – courtesy of **Agilent Technologies**
Finding Target and Unknown Pesticides in Complex Matrices Using Automated Deconvolution Software, **Mike Szeleski**, Agilent Technologies, P. Wylie and Chin-Kai Meng
- 1:45 p.m. **Chair: Thea Rawn**, Health Canada, Ottawa, ON

- 1:50 p.m. The Use of LC/MS/MS Technologies for Multi-target Screening and Confirmation in Residue Analysis, **Gary Impey**, Applied Biosystems / MDS Sciex
- 2:20 p.m. Development of a Method for the Determination of Selected Organophosphorus Pesticides in Fresh Water Fish & Seafood, **Tom Krakalovich**⁽¹⁾, Thea Rawn⁽²⁾, Veronica Roscoe⁽¹⁾, Susan Kotello⁽¹⁾, Health Canada, ⁽¹⁾Winnipeg, ⁽²⁾Ottawa
- 2:50 p.m. COFFEE & POSTERS & EXHIBITS – courtesy of **Waters Limited**
- 3:30 p.m. **Chair: Tom Krakalovich**, Health Canada, Winnipeg
- 3:35 p.m. Analysis of Glyphosate in Water, **Jon Bailey**, NWRI, Environment Canada, **Saskatoon**
- 4:05 p.m. Determination of Pesticides in Apple-based Infant Foods using Liquid Chromatography Electrospray Ionization Tandem Mass Spectrometry, **Jian Wang**, CFIA, Calgary
- 4:35 p.m. **ADJOURN**
- 6:00 p.m. Bus departs from Clarion Hotel for Fort Gibraltar
- 7:30 p.m. **DINNER** at Fort Gibraltar and presentation of Caledon Award
- 9:30 p.m. Bus departs from Fort Gibraltar for Clarion Hotel

Wednesday, May 4 Manitoba Room

- 8:00 a.m. Registration & continental breakfast
- 8:30 a.m. **Chair: Michelle Michalchuk**, Enviro.Test Laboratories, Winnipeg
- 8:35 a.m. Monitoring the Phytodegradation of oilsands naphthenic acids using hydroponically grown cattails (*Typha latifolia*), **Sarah Armstrong**, NHWI, Environment Canada, Saskatoon
- 9:05 a.m. Adsorption Characteristics of an Oilsands Mixture of Naphthenic Acids, **Arash Janfada**, NHWI, Environment Canada, Saskatoon
- 9:35 a.m. Investigation of Lincomycin and Spectinomycin in Liquid Hog Manure and Surface Runoff, **Sandra Kuchta**, University of Saskatchewan, Saskatoon
- 10:05 a.m. COFFEE & EXHIBITS
- 10:40 a.m. **Chair: Nelson Barchuk**, Canadian Grain Commission, Winnipeg, MB
- 10:45 a.m. Pesticides and other organic contaminants in Nathan Creek, **Vesna Furtula**, Environment Canada, North Vancouver
- 11:15 a.m. Persistence of pharmaceuticals under ice, **David Donald**, Environment Canada, Regina

11:45 a.m. Chair: **Veronica Roscoe**, Health Canada, Winnipeg

- Next year's meeting
- Open Discussion
- Closing Remarks

12:00 p.m. LUNCH - courtesy of **Thermo Electron Corporation**

1:00 p.m. **ADJOURN**

Poster Presentation Titles

Chin-Kai Meng , Agilent Technologies	A Blind Study of Pesticide Residues in Spiked and Unspiked Fruit Extracts	Monday
Mark Kuracina , Applied Biosystems	Screening for Pharmaceuticals in Water	Monday
Nilmini Wijewickreme , Anderson Smith and Brent Coates, Cantest Ltd, Burnaby, BC	A method for the determination of 20 sulfonamides in honey by LC/MS/MS	Monday
Christine Akre , CFIA, Saskatoon, SK	What Came First - Estradiol or Cholesterol	Monday
Stephen Antonsen , Dionex Canada Ltd.	Use of High Ionic Strength Buffer and Trace Analysis in MS/MS	Monday
Kerry Peru , Environment Canada, Saskatoon	Determination of Spectinomycin in Liquid Hog Manure by LC/MS/MS using HILIC Separation and Weak Cation Exchange Sample Extraction	Tuesday
T. Harner, P. Blanchard, Y-F Li, Y. Yao, L. Tuduri, D. Waite , W. Belzer, F. Froude, C. Murphy, L. Poissant and J. Sproull, Environment Canada, Regina, SK	Canadian Pesticide Air Sampling Campaign	Tuesday
Angelo DiCicco , Health Canada, Burnaby, BC	A Rapid LC/MS/MS Method for the Determination of Sulfonamide Residues in Pork Tissue	Tuesday
Gordon McFarlane , VICI Valco Instruments Canada	Reducing Injection Port Breakdown for Organohalide Pesticide Analysis	Tuesday
Les C. Dickson , R. W. Fedeniuk, R. Munro and J. D. MacNeil, CFIA, Saskatoon, SK	Estimating Measurement Uncertainty from Quality Control Data: Example from the Regulatory Analysis of Tetracycline Antibiotic Residues in Bovine Muscle by Liquid Chromatography	Tuesday

Winnipeg Organizing Committee

Don Gaba, Canadian Grain Commission

Eugene Gawalko, Canadian Grain Commission

Susan Kotello, Health Canada

Tom Krakalovich, Health Canada

Michelle Michalchuk, Enviro-Test Laboratories

Tom Nowicki, Canadian Grain Commission

Mike Roscoe, Canadian Grain Commission

Veronica Roscoe, Health Canada

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