

WCTOW

47th



April 22 - 25, 2012
Saskatoon, SK

WCTOW 2012 PROGRAM

Delta Bessborough,
601 Spadina Cres, Saskatoon SK.
306-244-5521

Sunday, April 22, 2012

6:00 – 9:00pm	Corporate Display & Scientific Poster Set-Up	Battleford Room
7:00 – 8:00pm	Registration (Cheques or cash, no credit cards)	Terrace Lounge
7:00 – 10:00pm	Social Mixer	Terrace Lounge

Monday, April 23, 2012

8:00am	Registration (Cheques or cash, no credit cards)	Battleford Room
8:00am	Continental Breakfast – Sponsored by Waters Corp.	Battleford Room
8:55am	Welcome and Introduction	Kerry Peru

Session #1 Chairperson – Kerry Peru (Environment Canada)

9:00am	<u>Overview of the Saskatchewan Economy</u> (Invited Presentation)	Bryan Dilling (Director, Economic Analysis and Strategy, Enterprise Saskatchewan)
9:45am	<u>PaperSpray and Related Rapid Sample Analysis Techniques</u>	Rob O'Brien (UBC, Okanagan)
10:10am	<u>Determination of Haloacetic Acids in Water by GC/μECD and Strong Anion Exchange SPE</u>	Brian Smith (Agilent Technologies)

Monday, April 23, 2012, (con't)

2:45pm *Afternoon Coffee Break – Sponsored by
MasSpec Consulting* *Battleford
Room*

Session #4 Chairperson – Dena McMartin (University of Regina)

3:10pm EPA 539: Hormones in water by LC-
MS/MS **Matthew
Noestheden**
(Vogon
Laboratory
Services Ltd.)

3:35pm Determination of Phenylbutazone; Method
Validation **Andrea Kessler**
(SIAS, T,
Chemical
Technology
Program)

Evening Banquet and Entertainment

(Western Development Museum)

Sponsored by Canadian Life Science

5:00pm ***Bus pickup in front of the Delta Bessborough***

5:30pm *Cocktails*

6:00pm *Banquet – sponsored by **Canadian Life Science.***

7:00pm *Enjoy the Museum!*

9:00pm *Bus pickup*

Tuesday, April 24, 2012

8:00am *Continental Breakfast – Sponsored by
Bruker Daltonics Canada* *Battleford Room*

8:40am *Introduction* ***Allan Cessna***

Session #1 Chairperson – Allan Cessna (AAFC/ Env. Canada)

8:45am Caffeine, Atrazine, Viagra, and DEET –
Identification and Quantitation of
Expected and Unexpected Environmental
Pollutants in Water using LC-MS/MS ***André
Schreiber**
(AB Sciex)*

9:10am Extractable PFOS and Related
Compounds by LC/MS-MS ***Diana Chau**
(Environment
Canada)*

9:35am [Analysis of pharmaceuticals and personal
care products in river water samples by
UHPLC-TOF](#) ***Alexander
Wahba**
(Perkin Elmer)*

10:00am [HPLC-MS/MS Method to Quantitate
Pharmacologically Active Trace Amines in
Rat Brain](#) ***Sabia Maini**
(University of
Saskatchewan)*

10:25am *Morning Coffee Break – Sponsored by
Pickering Laboratory Services* *Battleford Room*

Tuesday, April 24, 2012 (con't)

Session #2 Chairperson – Brian Fahlman (Alberta Innovates)

10:50am	<u>MSⁿ Analysis of a Novel β-cyclodextrin-Based Gemini Surfactant Designed as a Nanofunctional Cellular Drug Delivery Agent</u>	McDonald Donkuru (University of Saskatchewan)
11:15am	<u>Detection of antimicrobials in an urban and agricultural mixed prairie watershed and the potential use as a complementary tool for fecal source tracking</u>	Dinah Tambalo (University of Regina)
11:40am	<u>Water Quality of Alberta's Irrigation Districts: Pesticides</u>	Claudia Sheedy (Agriculture and Agrifood Canada)
12:05pm	<i>Buffet Lunch – Sponsored by ThermoFisher</i>	<i>Terrace Lounge</i>

Session #3 Chairperson – Jon Bailey (Environment Canada)

1:15pm	<u>Sorption of Naphthenic Acids using Chitosan Copolymers</u>	Louis Poon (University of Saskatchewan)
1:40pm	<u>Sequestration of Naphthenic Acids Using Polymeric Materials</u>	Lee Wilson (University of Saskatchewan)
2:05pm	<u>Surface Activity of Naphthenic Acids</u>	Mohamed H. Mohamed (Environment Canada)
2:30pm	<i>Afternoon Coffee Break – Sponsored by Chromatographic Specialties Inc.</i>	<i>Battleford Room</i>

Tuesday, April 24, 2012 (con't)

Session #4 Chairperson – Ken Thoms (University of Saskatchewan)

2:55pm	<u>Water Analysis; using GC-MS technologies to reach lower levels with greater precision</u>	Eric Phillips (Thermofisher)
3:20pm	<u>A compound based screening approach to simplify method development and data processing for multi-residue analysis by GC-MS/MS</u>	Kefei Wang (Bruker)
3:45pm	<u>A New Approach to Complex Sample Analysis</u>	Charles Yang (Thermofisher)

Wednesday, April 25, 2012

8:00am	<i>Continental Breakfast – Sponsored by Perkin Elmer</i>	<i>Battleford Room</i>
8:40am	<i>Introduction</i>	John Headley

Session #5 Chairperson – John Headley (Environment Canada)

8:45am	<u>Passive Sampling of PAHs: Towards Long-term Water Quality Monitoring in the Oil Sands Region</u>	Lucie Lévesque (Environment Canada)
9:10am	<u>Atmospheric Pressure Gas Chromatography Mass Spectrometry (APGC/MS) for Novel Applications in Petroleum and Chemical Research</u>	Patrice Lemire (Waters Corp.)

Wednesday, April 25, 2012 (con't)

9:35am	<u>Is UV/H₂O₂ an Effective Mechanism for Removal of Naphthenic Acid Contaminants from OSPW?</u>	Jon Bailey (Environment Canada)
10:00am	<u>Athabasca oil sands – Fractionation of the Naphthenic Acid Fraction Components</u>	Brian Fahlman (Alberta Innovates)
10:25am	<i>Morning Coffee Break – Sponsored by</i> WCTOW	<i>Battleford Room</i>
10:45am	<u>Towards identification and structural determination of naphthenic acids from oil sands by capillary electrophoresis mass spectrometry</u>	David Chen (University of British Columbia)
11:10am	<u>An assessment of the effects of oil sands naphthenic acids on the growth and morphology of <i>Chlamydomonas reinhardtii</i></u>	Kira Goff (University of Saskatchewan)
11:35am	<u>Closing Remarks and Workshop Business Meeting</u> (all welcome)	Kerry Peru
12:00pm	<i>Buffet Lunch – Sponsored by</i> WCTOW	<i>Terrace Lounge</i>

***Thanks for Attending!
Have A Safe Trip Home!
See You Next Year in Winnipeg!***

Poster Presentations:

Environmental Risk Assessment of Chemicals in Ethiopia: A case study – Berhan Teklu, Wageningen University

Automatic Screening and Identification of Food Residues with High Confidence Based on High Resolution and Accurate Mass LC-MS/MS - André Schreiber, AB Sciex

Glyphosate analysis in soy beans, corn and sunflower seeds - Laszlo Torma, Pickering Labs

[Polybrominated diphenyl ethers \(PDBEs\) in foods consumed by young children](#) - Amy Sadler, Health Canada

Transport of three veterinary antimicrobials from cattle beef manure via surface runoff - Srinivas Sura, Agriculture and Agri-Food Canada

Microwave-assisted extraction of chlortetracycline, sulfamethazine and tylosin from cattle manure- Srinivas Sura, Agriculture and Agri-Food Canada

Orbitrap MS Characterization of Oil Sands Naphthenic Acids in Environmental Samples - Kerry Peru, Environment Canada

Development of Analytical Method and Survey of Foods for Furan, 2-Methylfuran and 3-Methylfuran with Estimated Exposure – Thomas Krakalovich, Health Canada

Determination Of The Performance Characteristics Of A Method For Screening Over 90 Veterinary Drug Residues In Processed Meats And Fresh Slaughter Meats By LC-QToF Mass Spectrometry - Johanna Matus, CFIA

Performance Characteristics Of A Quantitative Multi-Residue Method For Nitrofurans, Phenicol, Carbadox And Olaquinox Metabolites In Processed Meats And Fresh Slaughter Meats By LC-Tandem Mass Spectrometry - Jana Kinar, CFIA

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