

**Welcome To The 39th  
Western Canada  
Trace Organic Residue  
Workshop**

**WCTOW**

**39th**



**April 18 - 21, 2004  
Saskatoon, SK**

# WCTOW 2004 PROGRAM

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

## Day 1, Sunday, April 18, 2004

6:00 – 9:00pm	<i>Corporate Display &amp; Scientific Poster Set-Up</i>	<i>Battleford Room</i>
7:00 – 8:00pm	<i>Registration (Cheques or cash, no credit cards)</i>	<i>Terrace Lounge</i>
7:00 – 11:00pm	<i>Social Mixer</i>	<i>Terrace Lounge</i>

## Day 2, Monday, April 19, 2004

8:00am	<i>Registration (Cheques or cash, no credit cards) and Poster Set-Up</i>	<i>Battleford Room</i>
8:00am	<i>Continental Breakfast – Sponsored by <b>Leco Instruments Ltd. and IonSpec</b></i>	<i>Battleford Room</i>
9:00am	<i>Welcome and Introduction</i>	<i>Kerry Peru</i>

### **Session #1** *Chairperson – Kerry Peru (NWRI)*

9:05am	<u><i>Characterization of Principal Components of Oil-Sand Naphthenic Acids Using 2D GC/TOF-MS</i></u>	<b>Chunyan Hao</b> (Ontario MOE)
9:30am	<u><i>In Vitro Metabolism of Benzene by Plant Cell Suspensions</i></u>	<b>Monique Wismer</b> (U of S)



## Day 2, Monday, April 19, 2004, Continued

- 2:15pm Analysis of Perchlorate in Drinking Water, Ground Water, Saline Water, Soil and Biota by LC/MS **Kham Lin**  
(K'Prime Technologies)
- 2:40pm Detection and Quantification of Organic Acids, Amino Acids and Phenolics in Root Exudates Using Gas Chromatography **Adam Gillespie**  
(U of S)
- 3:05pm Afternoon Coffee Break – Sponsored by Bruker **Battleford Room**

### Session #3 Chairperson – Don Noot (Alberta Agriculture)

- 3:25pm Coupling Biology to Mass Spectrometry in the Hunt for Biomarkers **Mike McDonnell**  
(Bruker)
- 3:50pm Tilmicosin Residue in Elk or Horse **Chris Clark**  
(WCVM)
- 4:15pm Analysis of Fluoroquinolones in Beef Kidney using HPLC Electrospray Positive Ionization **Ralph Hindle**  
(Access Analytical Labs)
- 4:40pm Analysis by LC/MS/MS of Surface and Ground Waters for Traces of the Antibiotics Lincomycin and Spectinomycin Administered to Weanling Pigs **Sandra Kutcha**  
(Toxicology, U of S)

### **Day 3, Tuesday, April 20, 2004**

8:00am Continental Breakfast – Sponsored by **Waters Corp** Battleford Room  
9:00am Introduction Allan Cessna

#### **Session #4** Chairperson – Allan Cessna (NWRI)

9:05am LC/MS/MS Method Development for the Determination of Veterinary Drug Residues in Environmental Samples of a Predominantly Agricultural Watershed **Dayue Shang** (Health Canada)  
9:30am Quantitative Analysis of Thyreostat by LC/UV and LC/MS **Philip Asea** (CFIA)  
9:55am Determination of Sulfonamides in Honey by LC-MS/MS **Tom Thompson** (Alberta Agriculture)  
10:20am Morning Coffee Break – Sponsored by **Isomass** Battleford Room

#### **Session #5** Chairperson – Christine Akre (CFIA)

10:45am Organophosphate Residues in Apples for Dietary Consumption **Thea Rawn** (Health Canada)  
11:10am Analysis of Pesticides and PCB's Using a Large Volume Splitless Injection Technique and the TRACE DSQ **Stephen Hassan** (Thermo-Electron)  
11:35am A Comparison of Passive and Active Methods for Sampling Current-Use Herbicides in Air **Don Waite** (EC Regina)

## Day 3, Tuesday, April 20, 2004 Continued

12:00noon      *Buffet Lunch – Sponsored by  
**K'Prime Technologies  
& Agilent***      *Terrace  
Lounge*

### **Session #6** *Chairperson – Don Waite (EC Regina)*

1:00pm      *Sulfonylurea Herbicides in Municipal  
Reservoirs and Their Dissipation in  
Fortified Farm Dugouts*      **Allan Cessna**  
(NWRI)

1:25pm      *An Enhanced LC/MS/MS Method for  
the Determination of 81 Pesticide  
Residues in Fruit and Vegetables*      **Dave Heywood**  
(Waters)

1:50pm      *Screening and Confirmation of  
Veterinary Drug Residues in Milk by  
LC-MS/MS*      **Don Noot**  
(Alberta  
Agriculture)

2:15pm      *Improvements In Pesticide Detection by  
GCMS*      **Bruce Joy**  
(Mandel Scientific)

2:40pm      *Direct Vial Extraction of Environmental  
Pollutants From Water For High  
Resolution GC Analysis*      **Rob Woltleb,**  
(VICI Valco)  
**door prize draw**

3:05pm      *Afternoon Coffee Break – Sponsored by  
**Mandel Scientific***      *Battleford  
Room*

### **Session #7** *Chairperson – Wo Yuen (SRC)*

3:25pm      *The Role Played by The Centre For  
Veterinary Drug Residues (CVDR), CFIA's  
Saskatoon Laboratory, in Ensuring the  
Safety of Canadian Slaughter Meat and  
Meat Products*      **Joe Boison**  
(CFIA)







## **Wednesday Afternoon**

***\*Special Event\* - Tour of Canadian Light Source***

***Tom Kotzer***  
***(CLS)***

1:00pm *Bus Transportation to Canadian Light Source*

1:15pm *Tour of The National Synchrotron Facility*

2:45pm *Bus Transportation to Bessborough Hotel*

***Thanks for Attending!***

***Have A Safe Trip Home!***

***See You Next Year in Winnipeg!***

## Poster Presentations:

### **Pesticide Residues**

*Glyphosate Residues in Alberta Rainfall*

**Kristine Stefanizyn**  
(Alberta Research  
Council)

*Quantification of Selected Sulfonylurea  
Herbicides in Canadian Prairie Wetlands  
Utilizing Electrospray Ionization Mass  
Spectrometry and Multiple Reaction  
Monitoring*

**Kerry Peru**  
(NWRI)

*T.B.A.*

**Olivier Niquette**  
(Leco Instruments Ltd.)

### **Petrochemical Residues**

*Bioaccessibility of Polycyclic Aromatic  
Hydrocarbons Dependence on Ingested  
Plant Species*

**Sarah A. Armstrong**  
(Soil Sciences, U of S)

*The Analysis of PCB Congeners Using a  
Selective PCB GC Capillary Column*

**Rhonda Jiggetts**  
(SGE Inc.)

*Does PAH Contamination Affect Root  
Exudation Pattern in Purple Prairie  
Clover and Slender Wheatgrass?*

**Adam Gillespie**  
(Soil Science, U of S)

### **Drug Residues**

*Determination of Moxidectin in Beef Fat:  
A Real World Approach*

**Connie Neiser**  
(CFIA)

*Confirmation of Thyreostat Residues In  
Bovine Thyroids*

**Ron Gedir**  
(CFIA)

<u>Tranquilizer Residue Analysis in Animal Tissues</u>	<b>Johanna Chrusch</b> (CFIA)
<u>Tilmicosin in Biological Fluids and Animal Tissues</u>	<b>Sharon Ross</b> (WCVM)
<u>Lidocaine and MEGX Residues In Velvet Antlers</u>	<b>Mukasa Bagonluri</b> (Chemistry, U of S)
<u>An LC/MS and LC/MS/MS Method for the Determination &amp; Confirmation of Virginiamycin Drug Residue in Edible Porcine Tissues</u>	<b>Joe Boison</b> (CFIA)
<u>A Rapid Mass Spectrometric Method for the Determination of 8 Approved and 17 Off-label Veterinary Drug Residues in Aquaculture Products</u>	<b>Dayue Shang</b> (Health Canada)

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