Welcome To The 39th Western Canada Trace Organic Residue Workshop

WCTOW



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	Corporate Display & Scientific Poster Set-Up	Battleford Room
7:00 – 8:00pm	Registration (Cheques or cash, no credit cards)	Terrace Lounge
7:00 – 11:00pm	Social Mixer	Terrace Lounge

Day 2, Monday, April 19, 2004

Day 2, Moriday, April 19, 2004			
8:00am	Registration (Cheques or cash, no credit cards) and Poster Set-Up	Battleford Room	
8:00am	Continental Breakfast – Sponsored by Leco Instruments Ltd. and IonSpec	Battleford Room	
9:00am	Welcome and Introduction	Kerry Peru	
Session #1 Chairperson – Kerry Peru (NWRI)			
9:05am	Characterization of Principal Components of Oil-Sand Naphthenic Acids Using 2D GC/TOF-MS	Chunyan Hao (Ontario MOE)	
9:30am	In Vitro Metabolism of Benzene by Plant Cell Suspensions	Monique Wismer (U of S)	

Day 2, Monday, April 19, 2004, Continued

9:55am

Natural Wetlands - Containment,

Transformation and Remediation of

Toxic Organics from Natural Gas
Condensates and Process Chemicals

10:20am

Alternative Techniques for Purge & Trap
(Perkin Elmer)

10:45am Morning Coffee Break – Sponsored by Battleford
Anachemia Science Room

11:00am - Poster Presentations (with authors in attendance)

12:00noon Buffet Lunch – Sponsored by Terrace
PerkinElmer Lounge

Session #2 Chairperson – Chunyan Hao (Ontario MOE)

1:00pm Possibility of the Degradation of Naphthenic Acid by Algae

1:25pm Remediation of Naphthenic Acids in Subsurface Soils and Groundwater at Oil Extraction Plants

1:50pm Determination of Hydrocarbon Residues In The MacKenzie River Delta

| Christine Akre (CFIA)

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	<u>Detection and Quantification of Organic</u> <u>Acids, Amino Acids and Phenolics in Root</u> <u>Exudates Using Gas Chromatography</u>	Adam Gillespie (U of S)
3:05pm	Afternoon Coffee Break – Sponsored by Bruker	Battleford Room

<u>Session</u>#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 Antibotics 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	<u>Determination of Sulfonamides in</u> <u>Honey by LC-MS/MS</u>	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 Terrace K'Prime Technologies Lounge & Agilent **Session #6** Chairperson – Don Waite (EC Regina) Sulfonylurea Herbicides in Municipal Allan Cessna 1:00pm Reservoirs and Their Dissipation in (NWRI) Fortified Farm Dugouts An Enhanced LC/MS/MS Method for **Dave Heywood** 1:25pm the Determination of 81 Pesticide (Waters) Residues in Fruit and Vegetables Screening and Confirmation of **Don Noot** 1:50pm Veterinary Drug Residues in Milk by (Alberta LC-MS/MS Agricultrure) 2:15pm Improvements In Pesticide Detection by **Bruce Joy** (Mandel Scientific) **GCMS** Direct Vial Extraction of Environmental Rob Woltleb, 2:40pm Pollutants From Water For High (VICI Valco) Resolution GC Analysis door prize draw Afternoon Coffee Break – Sponsored by Battleford 3:05pm Mandel Scientific Room **Session #7** Chairperson – Wo Yuen (SRC) The Role Played by The Centre For 3:25pm Joe Boison Veterinary Drug Residues (CVDR), CFIA's (CFIA) Saskatoon Laboratory, in Ensuring the Safety of Canadian Slaughter Meat and

Meat Products

Day 3, Tuesday, April 20, 2004 Continued

A Multicomponent Overview of Municipal **Brad** 3:50pm WWTP Effluent **McPherson**

(PESC)

Corporate Display& 4:15 - 5:00pm Scientific Poster Removal Battleford Room

Evening Banquet, Museum and Entertainment (Sponsored by Thermo-Electron Corporation)

Bus Transportation to Western Development Museum 5:30pm 5:45pm Cash Bar Banquet – sponsored by **Thermo-Electron Corporation** 6:30pm Museum Tour (self guided) 8:00pm Music – Jon Bailey Trio (with special guests) 9:30pm 11:00pm Bus Transportation to Bessborough Hotel

Day 4, Wednesday, April 21, 2004

8:00am	Continental Breakfast – Sponsored by Dionex	Battleford Room	
8:40am	Introduction	John Headley	
<u>Session #8</u> Chairperson – John Headley (NWRI)			
8:45am	Acclaim PA and Acclaim OA Advances in HPLC Separations	Steve Antonsen (Dionex)	
9:10am	Introduction to FTMS and Trace Analysis	Stefan Krolik (lonSpec)	
9:35am	Comparison of Single Quadrupole MS versus Ion-Trap MS/MS in the Determination of Herbicide Residues	Jon Bailey (NWRI)	
10:00am	Anaylsis of Pentachlorophenol and 2,3,5,6/2,3,4,6/2,3,4,5 Tetrachlorophenol in Pork Liver by HPLC-MSD	Ambrose Obilie (JR Laboratories Inc.)	
10:25am	Morning Coffee Break – Sponsored by Varian	Battleford Room	
<u>Session #9</u> Chairpersons – Allan Cessna (NWRI) & Kerry Peru (NWRI)			
10:45am	Workshop Business Meeting	Battleford Room	
11:20am	Overview and Introduction to the Synchrotron Facility	Tom Kotzer (Canadian Light Source)	
12:00noon	Buffet Lunch – Sponsored by VWR & AB/MDS SCIEX	Battleford Room	

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)

<u>T.B.A.</u> Olivier Niquette

(Leco Instruments Ltd.)

Petrochemical Residues

<u>Bioaccessibility of Polycyclic Aromatic</u>
<u>Hydrocarbons Dependence on Ingested</u>

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

Plant Species

<u>The Analysis of PCB Congeners Using a</u> Rhonda Jiggetts Selective PCB GC Capillary Column (SGE Inc.)

<u>Does PAH Contamination Affect Root</u> <u>Exudation Pattern in Purple Prairie</u> Clover and Slender Wheatgrass? Adam Gillespie (Soil Science, U of S)

Drug Residues

<u>Determination of Moxidectin in Beef Fat:</u> Connie Neiser A Real World Approach (CFIA)

<u>Confirmation of Thyreostat Residues In</u> <u>Bovine Thyroids</u>

Ron Gedir (CFIA) Tranquilizer Residue Analysis in Animal **Johanna Chrusch** Tissues (CFIA) Tilmicosin in Biological Fluids and **Sharon Ross** Animal Tissues (WCVM) Lidocaine and MEGX Residues In Velvet Mukasa Bagonluri Antlers (Chemistry, U of S) An LC/MS and LC/MS/MS Method for Joe Boison the Determination & Confirmation of (CFIA) Virginiamycin Drug Residue in Edible Porcine Tissues A Rapid Mass Spectrometric Method for **Dayue Shang**

the Determination of 8 Approved and 17 Off-label Veterinary Drug Residues in Aquaculture Products

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