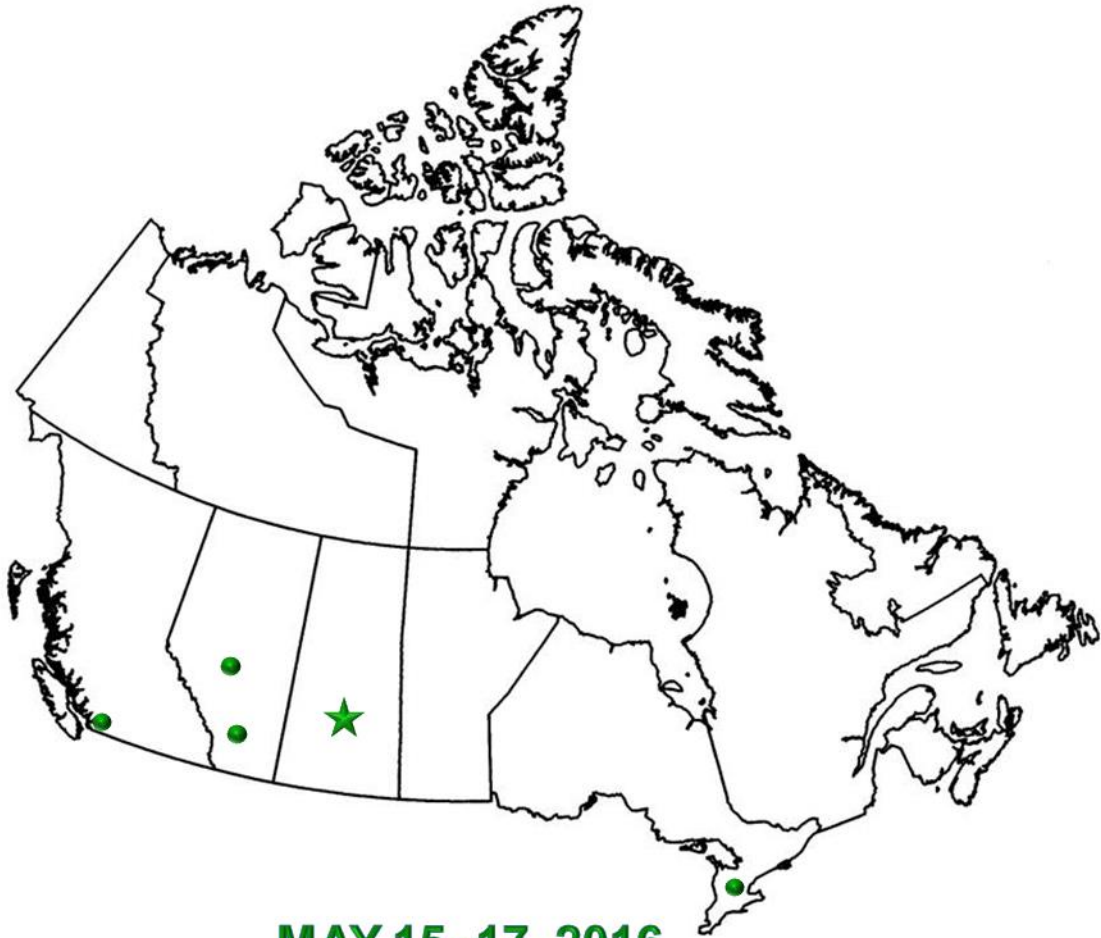


51st
CTOW
CANADIAN TRACE ORGANIC WORKSHOP



MAY 15 -17, 2016
SASKATOON, SK

CTOW 2016 PROGRAM

*Delta Bessborough,
601 Spadina Crescent, Saskatoon, SK.*

Sunday, May 15, 2016

6:00 – 9:00pm	<i>Corporate Display & Scientific Poster Presentation Set-Up</i>	Battleford Room
7:00 – 8:00pm	<i>Registration (cheques or cash, no credit cards)</i>	Terrace Lounge
7:00 – 10:00pm	<i>Social Mixer (sponsored Agilent Technologies)</i>	Terrace Lounge

Monday, May 16, 2016

8:00am	<i>Registration (cheques or cash, no credit cards)</i>	Battleford Room
8:00am	<i>Continental Breakfast (Sponsored by Canadian Life Science)</i>	Battleford Room
8:45am	<i>Welcome & Introduction</i>	Kerry Peru (ECCC)

Session 1

Chairperson: John Headley (Environment and Climate Change Canada)

8:50am	Comparison of two solid phase extraction methods for the estimation and characterization of oil sand process water naphthenic acids fraction components.	Chukwuemeka Ajaero (University of Regina/ECCC)
9:10am	Compound identification and characterization of fracking waters by LC/QTOF	Ralph Hindle (Vogon Laboratory Services)
9:30am	PAH and alkylated PAH by GC-MS/MS	Dave Hope (Pacific Rim Laboratories Inc.)
9:50am	Implementing incremental sampling methodology on petroleum hydrocarbon contaminated soils in Canada	Kathlyne Hyde (Soil Science, University of Saskatchewan)
10:10am	Poster Viewing (authors please be present at your posters)	All
10:30am	Coffee Break (Sponsored by Mandel Scientific)	Battleford Room

Monday, May 16, 2016 (con't)

Session 2

Chairperson: **Anas El-Aneed (University of Saskatchewan)**

10:45am	Remote analysis in 5 minutes for your target analytes	Charlie Schmidt (PerkinElmer)
11:05am	LC/MS/MS fast analysis without trade offs	Michael McDonell (Mandel Scientific Company Inc.)
11:50am	Fast and simple mass spectrometric quantitative analysis without the use of liquid chromatography	Anas El-Aneed (Pharmacy and Nutrition, University of Saskatchewan)
12:10pm	Lunch (Sponsored by Chromatographic Specialties Inc.)	

Session 3

Chairperson: **Pat Moser (SRC)**

1:30pm	The oxidative stability of flaxseed oil under different processing conditions and the antioxidant activity of flaxseed meal	Yingjun Lian (Plant Sciences, University of Saskatchewan)
1:50pm	Protein associated with flaxseed gum and its contribution to emulsification properties	Jun Liu (Plant Sciences, University of Saskatchewan)
2:10pm	Detection and characterization of bioactive peptides in flaxseed using NMR and MS	Pramodkumar Jadhav (Plant Sciences, University of Saskatchewan)
2:30pm	Coffee Break (Sponsored by Isomass Scientific Inc.)	

Monday, May 16, 2016 (con't)

Session 4

Chairperson: Christine Akre, Canadian Food Inspection Agency)

2:45pm	Applying differential ion-mobility spectrometry to improve LC-MS/MS analysis of emerging organic contaminants	Chunyan Hao (Ontario Ministry of Environment)
3:05pm	Use of GC Orbitrap MS for small molecule discover: iodated disinfection byproducts as a case study	Suresh Seethapathy (Thermo Fisher Scientific)
3:25pm	Neat freaks beware: Analysis of common house dust	Marcus Kim (Agilent Technologies)
3:45pm	Closing Session (invited) (Caledon Award Recipient) One analytical scientist in government: An unexpected journey	Ray Clement (EnviroAnalysis)
5:30pm (Meet in Hotel Lobby)	River Boat Dinner Cruise (Sponsored by ThermoFisher – Platinum) Caledon Award Presentation (Caledon Award sponsored by Caledon Laboratories)	

Tuesday, May 17, 2016

8:00am Continental Breakfast (Sponsored by
SCIEX) Battleford Room

Session 1

Chairperson: Ralph Hindle (Vogon Laboratory Services)

8:45am Occurrence of pesticides in natural, agricultural and urban waters of southern Alberta's river basins: A synoptic survey **Claudia Sheedy**
(Agriculture and Agri-Food Canada)

9:05am Quantitative analysis of pesticide residues in Alberta's groundwater and soil using GC/MS-MS **Kamala Sapkota**
(University of Manitoba)

9:25am Challenges of high volume trace analysis of pesticides in food and environmental matrices **Andrew Harris**
(University of Guelph)

9:45am Pesticide analysis by GC VUV **Yves Bouchard**
(Chromatographic Specialties Inc.)

10:15am Coffee Break
(Sponsored by **MassSpec Consulting**)

Session 2

Chairperson: Chunyan Hao (Ontario Ministry of Environment)

10:45am Analysis of neonicotinoids in environmental matrices by ESI LC/MS/MS **Jessica Fehr**
(University of Saskatchewan)

11:05am Comparative toxicity of imidacloprid, clothianidin, and thiamethoxam to aquatic insects in laboratory and field settings **Michael Cavallaro**
(University of Saskatchewan)

Tuesday, May 17, 2016 (con't)

11:25am	Characterization of the cumulative toxicity of neonicotinoid insecticide mixtures using MIXTOX analysis	Erin Maloney (University of Saskatchewan)
11:45am	Analysis of neonicotinoids in bee-collected pollen by LC/MS/MS	Xiaoming Zhao (Ontario Ministry of Environment)
12:05pm	Lunch (Sponsored by PerkinElmer)	

Session 3

Chairperson: **Kerry Peru (Environment and Climate Change Canada)**

1:15pm	Quantification of alkyl nitrates in laboratory generated samples and in ambient air by thermal dissociation cavity ring-down spectroscopy with preconcentration	Connie Ye (University of Calgary)
1:35pm	The link between biogenic emissions and nocturnal ozone depletion events at the Amphitrite point observatory on Vancouver Island	Travis Tokarek (University of Calgary)
2:10pm	New QTOF for environmental/ food application	Simon Roberts (SCIEX)
2:30	Coffee Break (Sponsored by Restek)	

Tuesday, May 17, 2016 (con't)

Session 4

Chairperson: Les Dickson (Canadian Food Inspection Agency)

2:45pm	Alternative pathway(s) to method validation and final official method status (Reference Method Classification) at the AOAC International (Invited)	Joe Boison (Canadian Food Inspection Agency)
3:30pm	Enhanced matrix removal from lipid-rich samples	Tina Chambers (Agilent Technologies)
3:50pm	The validation of an analytical method for the determination of dinitolmide and its metabolite 3-amino-5-nitro-o-toluamide at the maximum residue level in avian tissues	Christine Akre (Canadian Food Inspection Agency)
4:10pm	Closing Remarks	Kerry Peru and Andrew Harris

***Thanks for Attending
Have A Safe Trip Home.
See You Next Year in Guelph***

Poster Presentations

Poster authors: please be available at coffee breaks to answer questions about your poster presentations

DFS - The gold standard for POP analysis
Nik Binder, Isomass Scientific Inc.

Inter-laboratory study on determination of neonicotinoid pesticides
Chunyan Hao, Ontario Ministry of Environment

A quantitative analysis of the internal concentration of organophosphates pesticide in whole larvae tissue of Japanese medaka using LC-QqQ-MS without clean-up step **Hattan Alharbi**, Toxicology Centre, University of Saskatchewan

Modification of a QuEChERS based Method for the analysis of pyrethroid pesticides in Salmon Gills
Jonathan Moulins, Health Canada

Veterinary antibiotics in agricultural run-off in the lower Sumas Watershed
Brent Coates, Caro Analytical Services

Production of protein concentrate and 1,3-propanediol by two stage fermentation of wheat thin stillage
Kornsulee Ratanapariyanuch, Department Food and Bioproduct Sciences, University of Saskatchewan

A rapid HPLC/ESI-MS/MS method for quantitative analysis of glucosinolates in camelina seed
Pramodkumar Jadhav, Department of Plant Sciences, University of Saskatchewan

Characterization of metal binding peptides (linisorbs) in flaxseed by NMR and ESI-MS
Philip Mausberg, Department of Plant Sciences, University of Saskatchewan

Trace VOCs in soil: Field methanol preservation
Dwayne Bennet, ALS Global

HPLC-MS/MS analysis of anthocyanins in human urine and plasma
Junguo Liu, University of Saskatchewan

Organochlorine insecticides in Canadian human milk from 2008-2011
Sue Quade, Health Canada

Effects of Chitosan-Cellulose Interactions on the Sorption Properties of its Cross-linked Composites
Inimfon (Abner) Udoetok, University of Saskatchewan

Fractionation of Carboxylate Anions from Aqueous Solution Using Chitosan Sorbent Materials
Mohamed Mohamed, University of Saskatchewan

Investigation of a Novel Polysaccharide from Flaxseed and Its Macrophage Immunomodulatory and Anti-Hepatitis B Virus Activities
Xiafeng Li, Department of Plant Sciences, University of Saskatchewan

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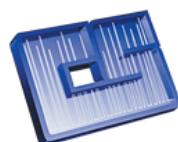


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