



"Bringing scientists together to develop and validate better methodologies."

Highlights from the 53rd Annual North American Chemical Residue Workshop (NACRW)

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For the 130th AOAC Annual Meeting and
Exposition, Sept 19th, Dallas TX



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and validate better methodologies."**

**Held September 16 – 20, 2016
Tradewinds Grand Resort
St. Pete Beach, Florida**

**many presentations online at
<http://NACRW.org>**



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Attendance continues to grow!

- 320 Total Attendees
 - 37 Exhibitors
 - 109 Posters
- 28 Short Course Attendees



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Attendees represented 15 countries

Austria, Brazil, Canada, Czech Republic, Germany, Korea, Mexico, Netherlands, Portugal, Singapore, Spain, Sweden, Taiwan, United Kingdom, and United States



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Who Attended?

- 34% Government
- 27% Instrument specialist and manufactures or vendors of scientific products
- 16% Industry
- 14% Private laboratories
- 5% Academia
- 4% Other



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Scientific Sessions

- Advanced Analytical Techniques
- Single/Multi-Pesticide Residue Methods
- Veterinarian Drugs
- Sample Preparation
- State/Federal Laboratory Updates
- Mass Spectrometry Forum
- Natural Toxins/Mycotoxins/Marine Toxins and Environmental Contaminants
- Natural Products/Dietary Supplements/Cannabis
- Mass Spectrometry Applications



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Advanced Analytical Techniques

This year we have seen a big momentum in people starting to use high resolution mass spectrometry for everyday analysis.

(HRMS or HRMSMS)

- GC/LC-HRMSMS analysis of fruits and vegetables
- GCxGC-HRTOFMS analysis of disinfection byproducts in swimming pools



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Veterinarian Drugs

The talks and discussion show that there is a great need for testing products that are meant for human consumption for the residues of veterinarian drugs.

This can include infant formula, other dairy products, seafood and honey.

One attendee questioned:

“Why can’t we standardize on one multi-drug residue method?”

This continues to be a challenge.



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Sample Preparation

Important criteria for developing methods; an interlab comparison of two multi-drug residue methods in animal meat; penicillin in citrus, and pesticides in hops

A lively forum on Sample Preparation brought up many of the challenges to method development including the need for labs to share their incurred residues



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Natural Products/Dietary Supplements/Cannabis

With a large number of States passing laws to legalize cannabis for either medical or recreational use there is a growing need for testing methods in this complex matrix.

Getting samples for method development is difficult.

Regulations have not yet been developed.



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Future Dates

- July 23-26, 2017 – Naples Grande Resort, Florida
- July 22-25, 2018 – Naples Grande Resort, Florida