

AOAC 2007
Sept 16-20, Anaheim, CA
Julie Kowalski

Tuesday 9/17/2007

Chemical Contaminants & Residues in Food Community, 3:45pm-7pm

Jo Marie Cook and Stephen Capar, Co-Chairs

- Community structure and objectives were presented.
- Community structure calls for breaking into Subgroups: Antibiotics, pesticides, industrial contaminants, unknown screening and suggestion for other subgroups.
- Introductions and discussed analytical needs/ wishes, matrices of interests. After a couple hours of general discussion, it was suggested that each member send Jon several questions and he can choose maybe 10 and compile a questionnaire that each member is responsible for completing. This will help us compile information and prioritize discussion. This course of action was accepted by the members (approx. 25). Questions are due to Jon by Oct 1.
- meeting notes: Pesticide Residue Analysis
 - Multi residue screening
 - (Screening vs Confirmatory Methods) Screening for true unknowns
 - Diverse matrices including honey, meat, dairy, infant, fatty matrices, spices and botanicals, fertilizer material and organic fertilizer
 - Question as to how well QuEChERS works for all classes of pesticides and difficult matrices (fatty and complex like botanicals and spices)
 - Time, need it to be fast so that product can be stopped before continuing through commerce chain so produce can be pulled
 - Lack of standard product that has been grown with pesticides, always just spiking
 - New pesticides that hit market (about 5-10/year), no methods until after already in market. Would producers be willing to provide AOAC with new pesticides to develop validated methods
 - Validation, how is the degree of validation determined
 - Question of how to focus on pesticides: divide by usage, chemical class, other organizations classifications (CFR), by method (GCMS, GC-ECD, LCMS)