FDA Lab Study Update

Presented to the ACIL Food Sciences Section
Joe Konschnik – RESTEK Corporation
FDA Lab Study Update

Jon Wong at US FDA Center for Food Safety & Nutrition (CFSAN) Inter-Lab Study Fall 2012

- Ontario MOE - Toronto, Canada
- Univ, of Guelph - Ontario, Canada
- Nat. Rsrch. Center of Grapes – Pune, India
- Covance Labs, Inc. – Greenfield, IN
- Taiwan FDA – Taipei, Taiwan
US FDA (CFSAN) **Current** Inter-Lab Study

- Labs with AB/SCIEX LC/MS-MS Instruments
- AB/SCIEX Donated A 204 Multi-Residue Pesticides Kit
- RESTEK Donated QuEChERS Kits
- RESTEK Donated HPLC Columns

**Reasons:**
- Keep Study Small
- Maintain consistency among labs – Control Hardware & Ref Mtrls
FDA Lab Study Update

US FDA (CFSAN) **Current** Inter-Lab Study – Status

- Furloughs started last week at FDA CFSAN
- CFSAN Staff – Tea study in 2013
- Busy with GC/MS-MS SOP for Botanicals
- Awaiting Data from study labs
- Still crunching data from current study
FDA Lab Study Update

US FDA (CFSAN) New Inter-Lab Study

- Draft SOP Document is available to FSS labs
- Not a Final document – draft only
- Not limited to one instrument type– Inclusive of all
- Participant Lab Prerequisites
FDA Lab Study Update

US FDA (CFSAN) New Inter-Lab Study Draft SOP
FDA Lab Study Update

US FDA (CFSAN) New Inter-Lab Study Draft SOP

- Will Utilize A Dispersive (QuEChERS) Extraction & Clean-Up
- LC/MS-MS w/ESI in Positive Ionization Mode
- 204 Target Pesticides (RESTEK Kit)
FDA Lab Study Update

US FDA (CFSAN) New Inter-Lab Study Draft SOP

- Sample Matrices: High Water Content
  - Oranges
  - Carrots
  - Spinach
- Lab is responsible for acquiring matrices
- Lab may choose two or three other matrices of local importance
- Three incurred PT samples will be provided by US FDA CFSAN
FDA Lab Study Update

US FDA (CFSAN) New Inter-Lab Study Draft SOP

- Delayed until end of Q1 or Q2 2014
- Lab Pre-requisites to include:
  - Instrumentation meeting requirements
  - Demonstration of Proficiency: PT sample analysis
  - Resources and Time available to meet deadline
  - Timeline not finalized – will be provided
FDA Lab Study Update

US FDA (CFSAN) New Inter-Lab Study Draft SOP

- Invited Jon Wong to attend P2 Meeting in March
  - Review SOP with FSS member labs
  - Announce Timeline and goals
  - Answer questions
- RESTEK – will provide QuEChERS Kits and HPLC Columns
- RESTEK – will make MR Pesticides Kit available - Cost TBD