



EMSSIG*Workshop 2012
**An Interactive Workshop for Improving Productivity in Environmental &
Food Screening using LC-MS and GC-MS**
Manchester Food Research Centre. MMU ; July 4, 2012

The present direction of EU legislation is to move the responsibility from the regulator to define what is unsafe to the water utilities and companies discharging effluent to show they have done everything in their power to ensure it is safe. This shift in legal responsibility means a significant growth in general screening is inevitable as a narrowly defined targeted analysis program would not necessarily be sufficient to ensure protection from claims of negligence in the event of an emergency. The above issues are applicable to organizations (on either side) involved in the chemical safety of food, personal care and other products. Typically, full scan screening is very time consuming and the analysis is very labour intensive. The purpose of the workshop is to discuss ways of reducing the cost. It is intended to have a formal and workshop agenda. It is hoped the participants will share their experiences of what has and hasn't worked. Various software and instrument vendors are invited to show what can be provided on productivity improvements for screening. The providers are also able to express an interest and listen to ideas from the users.

Provisional Programme

09.00 – 09.30. **Registration & coffee**

Session 1. Regulatory & Analytical Considerations

09.30 – 09.55. Anthony Gravell, Environment Agency, 'The Water Framework Directive'.

09.55 – 10.15. Chris Wright, BAT, 'Analytical challenges in the chemical assessment of food and related consumer products'.

10.15 – 10.35. Qasim Chaudry, FERA, 'Analytical Aspects of Nanomaterials especially in complex matrices, such as food (Chemical Safety of Food)'

10.35 – 10.55 Coffee

Session 2. A. Software Considerations, What is available.

10.55 – 11.15. Peter Russell, ACDLabs, 'Using software for automation'

11.15 – 11.35. Gareth Roberts, ALMSCO. 'Title Required'

B. What is required (Investigative Laboratories)

11.35 – 11.55. Mark Sykes, FERA, 'Proficiency Testing/LEAP scheme specific to the water industry'

11.55 – 12.15. 'Eric De Wulf, Flemish Environment Agency, Laboratory for Analysis

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of Organic Micropollutants, Ghent, Belgium

‘Monitoring work under WFD and the instrumentation used’.

12.15 – 12.35. Kevin Jones (CSols). ‘Maintaining Optimal Quality of Analysis Using The Right

Laboratory Informatics Tools and Processes”.

12.35 -13.50. **Lunch & Exhibition Displays from**

SESSION 3. A. Contract Analysis Laboratories - Recent Advances in capability

13.50 – 14.10. David Wood, SAL. ‘MS Techniques in Environmental Analysis – A view from a commercial laboratory’

B. What is on offer (Instrument/Service Providers)

14.10 – 14.30. Tim Steel, AGILENT. ‘Workflows for effective screening strategies by LC and GCMS’

14.30 – 14.50. Greg Johnson, THERMOFISHER, ‘Advances in MS technology for higher selectivity in complex matrices by GCMSMS’

14.50-15.40. **Workshops (Number & topics to be confirmed later)**

15.40 – 16.00. **Tea**

16.00 – 16.30. **Discussion Forum & Report back from Workshops** 16.30. Close