



ENVIRONMENTAL CHEMISTRY AND TOXICOLOGY GROUPS

Organic Chemistry and Toxicity of Contaminants in the Ground

To be held at the Science Room, Royal Society of Chemistry, Burlington House, Piccadilly,
London W1J 0BA on 13 February 2014

This meeting is focussed on exploring the chemistry and toxicity of Contaminants of Emerging Concern (emerging contaminants) which are those that have recently been discovered in soil and water environments and are considered to be a potential risk to the environment and/or human health. The meeting will also explore “common historic contaminants” in the ground that are generally recognised as a risk to human health and/or the environment. These contaminants are present in the environment generally due to a historic lack of regulation, poor use, storage practices and waste disposal and are now subject to remediation.

On-line registration (£60 for RSC members, £30 student or retired RSC members, £90 non-members) is available at:

<https://events.rsc.org/rsc/frontend/reg/fhome.csp?eventID=258>

Posters will be on display during the breaks for this meeting.



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10.00 – 10.30	Registration, refreshments	
10.30 – 11.15	<i>The Environmental Fate Simulator: A tool for predicting the degradation pathways of organic chemicals in groundwater aquifers</i>	Eric Weber, US EPA
11.15 – 12.00	<i>Emerging organic groundwater contaminants and their transformation products</i>	Marianne Stuart, British Geological Survey
12.00 – 13.00	Lunch & poster viewing	
13.00 – 13.30	<i>Disposal, discovery and disruption: subsurface vapour transport and impacts of chlorinated solvents in a local community</i>	Dr Alex Stewart Public Health England
13.30 – 14.00	<i>Human exposure, body burdens and health effects of PFOA and PFOS</i>	Tony Fletcher, LSTHM
14.00 – 14.30	<i>Environmental Side Effects of Medication</i>	Alistair Boxall, University of York
14.30 – 15.00	Refreshment break & poster viewing	
15.00 – 15.30	<i>Fractionating hydrocarbons for hazard and risk assessment; chemical and biological analysis</i>	Graeme Paton, University of Aberdeen
15.30 – 16.00	<i>Environmental forensics with GCxGC TOFMS analysis</i>	Robert Kalin, University of Strathclyde
16.00 – 16.30	Discussion	