

Multi-component Compound Quantitation, Screening and Confirmation of Organic Contaminants in the Environment

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The need to protect both human health and the environment has led to the emergence of new regulatory requirements that have dictated the need for Government agencies to monitor increasing numbers of compounds and their breakdown products at ever diminishing levels. In order to deliver the sensitivity, accuracy and high throughput capability required, more sensitive and rapid analytical techniques than traditional technologies, such as GC, GC/MS, and HPLC are required. This presentation will outline the advantages of LC/MS/MS for rapid, quantitative multi-component residue analysis according to regulatory requirements as well as new workflows to aid in compound screening, identification and confirmation. Examples analysis of pesticides, steroids and endocrine disrupting compounds will be given to highlight the workflows presented.