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VENDOR SEMINAR:

Modern Approaches for PFAS/PFC's Analysis from Food and Environmental Matrices by LC-MS/MS

Modern Approaches for PFAS/PFC's Analysis from Food and Environmental Matrices by LC-MS/MS

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Per- and poly-fluoroalkyl substances (PFASs) or Perfluorinated chemicals (PFC's) are synthetic organofluorine compounds which are extremely resistant to degradation. Human exposure to PFAS residues has been implicated in the incidence of cancer, obesity, endocrine system disruption, and other adverse health effects. They are present in a variety of products; including textiles, fire-fighting foams and food packaging and have been detected in the environment as well as tissues of animals. Thus, the USEPA has issued health advisory limits for PFASs: PFOA and PFOS. Presented will be a variety of modernized methods for the analysis of PFAS in various matrices such as drinking water, sediment, and food. In addition, various sample preparation techniques were used including, QuEChERS, offline SPE, online SPE as well as direct injection using LC-MS/MS with both HPLC and UHPLC options.