

Talks:

10:00 AM

[4.05.T-01 Multivariate Forensic Analysis Enables Aqueous Film-Forming Foam Formulation Attribution by Type, Manufacturer, and Year Using ¹H and ¹⁹F NMR](#)

Lya Carini¹, Esteban Eustacio Hernandez², Corey De La Cruz², Amergin McDavid², Andre Schaum², Derek Muensterman², Patrick Reardon², Jennifer Field² and Gerrad Jones³, (1)Oregon State University, Corvallis, United States, (2)Oregon State University, (3)Biological and Ecological Engineering, Oregon State University

10:20 AM

[4.05.T-02 Data Processing Workflow Challenges for Non-targeted Analysis \(NTA\) of Per- and Polyfluoroalkyl Substances \(PFAS\)](#)

Juliane B Brown, Strategic Laboratory Sciences Branch, U.S. Geological Survey (USGS)

10:40 AM

[4.05.T-03 Transport and Transformation of Poly- and Perfluoroalkyl Substances in Aqueous Film-Forming Foam Impacted Soil Under Unsaturated Conditions](#)

Ke Wu¹, Marzieh Shojaei² and Jennifer Guelfo³, (1)Texas Tech University, (2)Civil and Environmental Engineering, Duke University, (3)Civil, Environmental and Construction Engineering, Texas Tech University

11:00 AM

[4.05.T-04 Assessing Exposure of Osprey in the Chesapeake Bay and Delaware River Basin to Per- and Polyfluoroalkyl Substances Using Suspect Screening and Non-Targeted Analysis Tools](#)

Zachary Hopkins¹, Andrea Tokranov², Natalie K. Karouna-Renier³, Barnett A. Rattner, PhD⁴ and David Lee Haskins⁵, (1)Eastern Ecological Science Center, U.S. Geological Survey (USGS), Columbia, United States, (2)New England Water Science Center, U.S. Geological Survey, (3)U.S. Geological Survey, Eastern Ecological Science Center, (4)Eastern Ecological Science Center, U.S. Geological Survey, Eastern Ecological Science Center, (5)Eastern Ecological Science Center, U.S. Geological Survey

11:20 AM

[4.05.T-05 Broad Investigation of PFAS in Songbird Eggs from a Belgian Hotspot by Target Analysis and Untargeted Approaches: Suspect Screening, Non-Target Analysis and Total Oxidizable Precursor Assay](#)

Francesca Cappelli¹, Jodie Buytaert², Lu Zhao^{3,4}, Els Prinsen², Marcel Eens², Adrian Covaci², Lieven Bervoets² and Thimo Groffen², (1)Toxicological Centre, University of Antwerp, ., Belgium, (2)University of Antwerp, Belgium, (3)Interdisciplinary Research Academy, Zhejiang Shuren University, China, (4)Toxicological Centre, University of Antwerp, Belgium

11:40 AM

[4.05.T-06 Unravelling PFAS Precursors in Background Soils Using Non-Targeted Analysis Techniques Pre- and Post-TOP Assay](#)

Hanna Joerss¹, Frank Sacher², Susanne Brüggem³, Ute Arenholz³ and Mareike Mersmann⁴, (1)Environmental Chemistry, Helmholtz Centre Hereon, Geesthacht, Germany, (2)TZW DVGW (German

Water Centre), ., Germany, (3)North Rhine-Westphalia Office of Nature, Environment and Consumer Protection (LANUV), Germany, (4)North Rhine-Westphalia Office of Nature, Germany