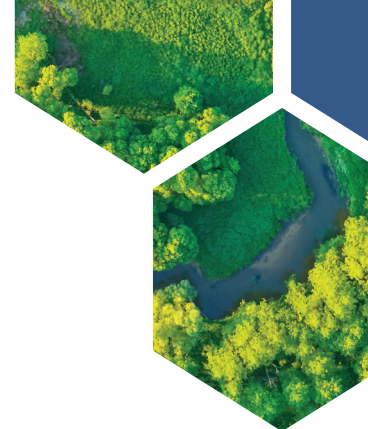




# Poster Presentations



## Monday, 12 August

Poster ID	Title	Presenter
<b>Environmental Sources, Chemistry, Fate and Transport</b>		
MP001	EPA, ASTM, ISO and Modified Methods, Oh My! Navigating Analytical Method Options for PFAS	T. Mcknight
MP002	Development of an Organofluoride Method to Quantify Total Fluorine Present at Per- and Polyfluoroalkylated Substances (PFAS) Contaminated Site	K. Dasu
MP003	Development and Application of Forensic Approach for Per- and Polyfluoroalkyl Substances (PFAS) Source Tracking	K. Dasu
MP004	How Dirty Is Clean - Patterns and Trends in Real-World PFAS Quality Assurance Data	D. Jones
MP005	Forensic Tools for Assessing PFAS Sources	E. Houtz
MP006	Targeted and Non-Targeted Analysis of Per- and Polyfluoroalkyl Substances in Wet Deposition Events	R. Mott
MP007	Developing Database of PFAS (Per- and Polyfluoroalkyl Substances) Transformation Pathway with the Aid of Prediction Tool	Y. Choi
MP008	Targeted and Non-Targeted Analysis of Per- and Polyfluoroalkyl Substances in North Carolina Drinking Water Sources	N. DeStefano
MP009	Isotope Dilution-Direct Injection (DI-LC/MS/MS) Method for the Analysis of PFAS in Drinking Water, Groundwater, and Wastewater	S. Wolf
MP010	Validation of SW-846 8327 PFAS in Non-Potable Waters	L. Gaines
MP011	Novel Bubble-Based Analytical Techniques for Concentrating and Detecting PFAS	L. Lou
MP012	Tentative Identification of New-Generation Per- and Polyfluoroalkyl Substances in Industrial Products	M. Davis
MP013	Chemometric Analysis of a Collective Perfluoroalkyl Acid Dataset from 14 Site Investigations of Aqueous Film-Forming Foam Impacted Sites	Z. Neigh
MP014	The Legacy of Long-Chained Poly- and Perfluoroalkyl Substances in Seafood: Implications for Risk-Based Guidelines	C. Dassuncao
MP015	In Situ and Laboratory Characterization of Two Novel Passive Samplers for PFAS Detection	J. Becanova
MP016	Rapid Small-Scale Column Tests to Predict Per- and Polyfluoroalkyl Substances (PFAS) Removal by Anion Exchange Resins	L. Cheng
MP017	A Holding Time Evaluation Study for the Analysis of PFAS in Aqueous Samples	C. Neslund
MP018	Employing Unique High-Resolution Mass Spectrometry Strategies for Analysis of PFASs Including the Novel PFOA-Replacement Compound, GenX	K. Hyland
MP019	Legacy and Emerging Perfluorinated Alkyl Substances in Water: Developing an SPE Method for LC-MS/MS Analysis	A. Marcotte
MP020	Ultra-Short-Chain Perfluoroalkyl Substances Including Trifluoroacetic Acid in Water Connected to Known and Suspected Point Sources in Sweden	M. Björnsson
MP021	Atmospheric Chemistry of a Novel Polyfluorinated Alcohol: Reactions with OH and Cl Radicals	S. Joudan
MP022	Bench-Scale Evaluation of Perfluoroalkyl Acids Adsorption from Landfill Groundwater by Mixed Media Containing Biochar	C. Mancini
MP023	Fluorine Mass Balance and Emerging PFASs in Beluga Whales from the Arctic in Canada	A. De Silva
MP024	Analysis of Legacy and Emerging Per- and Polyfluoroalkyl Substances in Drinking, Ground, Surface and Wastewater Using Minimal Sample Preparation	E. Parry
MP025	Poly- and Perfluoroalkyl Substances (PFAS) in AFFF-Impacted Groundwater Using Non-Target Screening by High Resolution Mass Spectrometry	C. Butt
MP026	Default Cold Storage Conditions Are Not Adequate for PFAS Storage Stability: Results From a 6-Month Study	B. Chandramouli
MP027	Identifying Unknown PFAS Sources in WWTP Biosolids Using the TOP Assay	B. Chandramouli
MP028	Targeted Method for Quantitating PFAS from Biological Samples Using Ultra-High-Performance Liquid Chromatography-Tandem Mass Spectrometry	M. Smeltz
MP029	Biotransformation of Amphoteric Foamer Surfactants Present in a Legacy Aqueous Film-Forming Foam (AFFF) Product	C. Lange
MP030	Leaching and Transport of PFAS from Unsaturated Soil at a Firefighting Training Facility Under Cold Climatic Conditions	Å. Høisæter
MP031	Metabolism of 6:2 Fluorotelomer Sulfonate in an Amphibian Ecosystem	C. de Perre
MP032	Developing a Predictive Understanding of PFAS Bioaccumulation with Environmental Complexity	M. Simcik

Poster ID	Title	Presenter
MP033	Exploring Empirical Data and Biological Relevance of Polyfluoroalkyl Substance Environmental Degradation and In Vivo Metabolism	G. Ansell
MP034	Uptake and Bioaccumulation/Biomagnification of Subsurface-Derived PFAS by Stream Food Webs	M. Kurz
MP035	Investigation Of Perfluoroalkyl And Polyfluoroalkyl Substances: Transfer From Contaminated Feed Into Eggs of Laying Hens	M. Buecking
MP036	Atmospheric Deposition of PFAS via Precipitation at Selected Locations Across the United States	M. Shafer
MP037	Biodegradation Rates of Perfluoro-2-propoxypropanoic Acid in Sediments of the Cape Fear River Estuary	K. Tito
MP038	Fate of Per- and Polyfluoroalkyl Ether Acids in the Total Oxidizable Precursor Assay	C. Zhang
MP039	Screening of Novel Per- and Perfluorinated Alkyl Substances (PFAS) in Surface Sediments of Southeastern North Carolina	R. Sanchez
MP040	GenX in the Environment and Waste Streams in the Netherlands 2013–2018	W. Bil
MP041	How Much Chemicals with PFAS Do We Use in Norway? A Data Register Study Based on Data From 2009–2017	M. Grung
MP042	Overview of Per- and Polyfluoroalkyl Substances (PFAS) in the United Kingdom	P. Curtis-Jackson
MP043	Investigating Recycled Water Use as a Diffuse Source of Per- and Polyfluoroalkyl Substances (PFAS) to Groundwater in Melbourne, Australia	D. Szabo
MP044	Levels of PFAS and Precursor Compounds in Australian Biosolids	D. Moodie
MP045	Occurrence and Distribution of PFASs in Drinking Water and Various Industrial Wastewater in South Korea	J. Oh
MP046	Occurrence of PFAS in Surface Water Following Discharge of Industrial Effluent and Firefighting Foam from a large Industrial Fire	J. Marchiandi
MP047	Grouping PFAS Together for Analysis and Hazard Assessment: Fluoropolymers Don't Fit	B. Henry
MP048	Societal Benefits of FluoroTechnology	E. Laganis

## Tuesday, 13 August

Exposure Assessment		
TP001	The Agency for Toxic Substances and Disease Registry's Per- and Polyfluoroalkyl Substances Exposure Assessments	B. Goodwin
TP002	Total Oxidisable Precursor Assay and Risk Assessment: Assessing Exposure to Precursors	V. Lazenby
TP003	Prioritization of Eight PFAS by Population Exposure and Reference Dose Uncertainty Ranges	C. Ring
TP004	Bioaccumulation Potential and Cytological Responses of a Short-Chain PFAS, PFBS, in the Sediment Dwelling Worm <i>Eisenia hortensis</i> (Annelida)	S. Valsecchi
TP005	Physiological, Ecological and Environmental Determinants of PFAS Uptake in Freshwater Fish: Literature Survey and Project Plan	C. Salice
TP006	Bioavailability of Perfluoroalkyl Acids (PFAA) in Soil and Hydroponically Grown Red Chicory ( <i>Chicorium intybus</i> L.)	S. Valsecchi
TP007	Determining Per- and Polyfluoroalkyl Substances (PFAS) Concentrations in Human Placental Tissues and Its Association with Infant Sex	S. Hall
TP008	Use of Bovine Kidney Slices to Predict Renal Reabsorption of PFASs as Potential Indicator for the Extent of Transfer from Feed to Dairy Products	A. Punt
TP009	Decline in Serum PFAS Levels Among 3M Decatur Employees and Retirees	G. Olsen
TP010	Perfluorooctane Sulfonate Toxicokinetics at Different Temperatures Using a Rainbow Trout Physiologically-Based Toxicokinetic Model	M. Babut
TP011	Surveying the Environmental PFAS Landscape	J. McCord
TP012	LIFE Project PHOENIX: A New Project for the Management of Water Pollution from Short Chain Perfluoroalkyl Acids in Veneto Region (Italy)	S. Valsecchi
TP013	The Contribution of Drinking Water to PFAS Blood Serum Levels	D. Andrews
TP014	Diminishing Returns: Attempting to Reduce PFAS Exposure by Lowering Drinking Water Criteria	T. Sorell
TP015	Comparative Analysis on Selected U.S. States' Response and Regulation of Per-and Polyfluoroalkyl Substances (PFAS)	K. Sauter
TP016	PFAS Levels in Zooplankton Collected in Italian Deep Lakes	S. Valsecchi
TP017	Overview of Fish Contamination by a Range of Perfluoroalkyl Chemicals in European Deep Lakes	S. Valsecchi
TP018	Monitoring of PFAS in Edible Crops of a Highly Contaminated Area	S. Valsecchi
TP019	Open Questions on Perfluorooctane Sulfonic Acid and Perfluorooctanic Acid Occurrence Data in German Food	J. Numata
TP020	A Meta-Analysis of Perfluorooctane Sulfonate (PFOS) Concentrations in Birds Around the World	R. Flamenco
TP021	Tissue-Specific Distribution of Legacy and Emerging Per- and Polyfluoroalkyl Substances in Seabirds from Atlantic Offshore and Coastal Environments	A. Robuck
Ecological Toxicity		
TP022	Avian Toxicity of PFAS Compounds and Mixtures	M. Simcik
TP023	Development of Toxicity Reference Values for Per- and Polyfluoroalkyl Substances in White-Footed Mice	A. Narizzano

Poster ID	Title	Presenter
TP024	Determination of Biomagnification Potentials for Per/Polyfluoroalkyl Substances in Terrestrial Food-webs	R. Kuperman
TP025	Adverse Outcome Pathway and Transcriptional Point of Departure Assessment of the Effects of Perfluorooctanesulfonic Acid on Zebrafish Embryos	N. Vinas
TP026	Effects of PFAS Mixtures Reflective of AFFF Sites on Amphibian Development: Is Perfluorooctane Sulfonate (PFOS) the Primary Driver?	T. Hoskins
TP027	Summary of Aquatic Toxicity and Bioaccumulation Data for Per- and Polyfluoroalkyl Substances	A. Bernhardt
TP028	Acute and Chronic Effects of Perfluoroalkyl Substance (PFAS) Mixtures in Larval Bullfrogs ( <i>Lithobates catesbeianus</i> )	R. Flynn
TP029	Assessing the Trophic Dynamics of Per- and Polyfluoroalkyl Substances in the Food Web of a Southeastern USA Atlantic Slope River	W. Cope
TP030	Chronic Effects of a Low Per- and Polyfluoroalkyl Substance Mixture on Northern Leopard Frog ( <i>Lithobates pipiens</i> ) Development	E. Pérez
TP031	Developmental Exposure to Perfluorooctane Sulfonate and Perfluorooctanoic Acid Selectively Decreases Brain Dopamine Levels in Northern Leopard Frogs	R. Flynn
TP032	Toxicological Response of <i>Chironomus dilutus</i> to Six Perfluoroalkyl Compounds	C. McCarthy
TP033	A Comparison of Different Routes of Exposure (Aquatic, Oral, and Dermal) on Amphibian Per- and Polyfluoroalkyl Substance Bioaccumulation Factors	M. Sepulveda
TP034	Ecotoxicity, Exposure and Ecological Risk of Per- and Polyfluoroalkyl Substances to Terrestrial Reptiles	C. Salice
TP035	A Comparison of Different Routes of Exposure (Aquatic, Oral, and Dermal) to Per- and Polyperfluoroalkyl Substance on Amphibian Growth and Development	M. Hamilton
TP036	Effects of PFAS on Sensitive Life-Stages of the Fathead Minnow	J. Suski
TP037	Development of Adverse Outcome Pathways Relevant to the Ecological Effects of Per- and Polyfluoroalkyl Substances (PFAS)	A. Kittelson
TP038	Identification and Mapping Evidence of Ecological Toxicity of Per- and Polyfluoroalkyl Substances (PFAS) with ECOTOXicology Knowledgebase Protocols	J. Olker

#### Human Health Toxicity

TP039	Public Health Evaluation of PFAS Exposures and Breastfeeding: Methodology Used for a Systematic Literature Review	E. McLanahan
TP040	Analysis of Health Effects Hazards and Causation with Environmental Exposure to PFAS	M. Lafronconi
TP041	Data Derived Extrapolation Factors for Developmental Toxicity: A Preliminary Research Case Study with Perfluorooctanoate (PFOA)	M. Dourson
TP042	Comparative Developmental Toxicity of Perfluorooctanoic Acid (PFOA) and Shorter Chain Perfluorocarboxylic Acids Using the Zebrafish Model System	J. Freeman
TP043	In Utero Exposure to Hexafluoropropylene Oxide-Dimer Acid (GenX) Produces Low Birth Weight and Neonatal Mortality	J. Conley
TP044	Perfluorooctanoic Acid or Its Replacement GenX Targets Placental Trophoblasts in CD-1 Mice and Human-Derived JEG-3 Cells	B. Blake
TP045	Assessing the Effect of PFAS on Placental Epigenetic Machinery	J. Bangma
TP046	Effects of Short-Chain Fluorotelomer Alcohols and Perfluorocarboxylic Acids on Oxidative Stress in <i>Caenorhabditis elegans</i>	A. Rand
TP047	A Pathology Review of the Lower GI Tract in Rats and Cynomolgus Macaques Treated with Ammonium Perfluorooctanoate: No Evidence of Ulcerative Colitis	S. Kleinschmidt
TP048	Evaluation of the Combined Effects and Toxicological Interactions of Perfluoroalkyl and Polyfluoroalkyl Substances (PFASs) Mixtures in HepG2 Cells	A. Ojo
TP049	PFOA Induces Liver and Serum Dyslipidemia in a Humanized PPAR $\alpha$ Mouse Model Fed an American Diet	W. Heiger-Bernays
TP050	In Vitro Hepatic Clearance of Per- and Polyfluoroalkyl Substances (PFAS)	D. Crizer

## Wednesday, 14 August

#### Risk Characterization

WP001	From Long-Chain to Short-Chain PFASs - Better or Worse? A REACH Perspective	W. Drost
WP002	Status of PFAS Knowledge in New Zealand	L. Tremblay
WP003	Per- and Poly- Fluoroalkyl Substances (PFAS): Challenges to Assessing Risk in United Kingdom Surface Waters	P. Curtis-Jackson
WP004	Problem Formulation in the Risk Assessment of Long- and Short-Chain Per- and Polyfluoroalkyl Substances (PFAS)	C. Mancini
WP005	Prioritising Key Issues for Human Health Risk Assessment and Risk Management Approaches at PFAS Impacted Cattle and Sheep Farms	J. Martin
WP006	An In-Situ Toxicity Identification Evaluation (iTIE) System for Determining Which Chemicals Drive Impairments at Contaminated Sites	G. Burton
WP007	Toxicity of Emerging Perfluoroether Carboxylic Acids in the Zebrafish Embryo Model	K. Gebreab
WP008	Toxicokinetic Models for PFAS Transfer Into Pork, Wild Boars and Cows' Milk	J. Numata
WP009	Development of an Oral Reference Dose for GenX Using the Latest Toxicological and Risk Assessment Methodologies	C. Thompson

Poster ID	Title	Presenter
WP010	Physical Properties and Toxicity assessment of Short-Chain (C6) Fluorosurfactants	J. Prins
WP011	Generating In Vitro Toxicokinetic Data on Per and Polyfluoroalkyl Substances (PFAS) for use in In Vitro-In Vivo Extrapolation (IVIVE) Modeling	B. Wetmore
WP012	PFAS in Victorian Waterfowl: An Investigation of the Presence of PFAS in 19 Wetlands in Victoria, Australia	J. Martin
WP013	Toxicokinetic Model of Laying Hen Biotransformation of PFAS Including PFAA-Precursors in Eggs	J. Numata
WP014	Statewide Screening Study of Perfluorinated Compounds in New Jersey Fish, Surface Water, and Sediment	G. Post
WP015	Monitoring PFAS in Aquatic Environment in Norway	M. Grung
WP016	New Jersey Drinking Water Maximum Contaminant Levels for PFOA, PFOS, and PFNA	G. Post
WP017	Framework for Human Health Risk Assessment of Federal Sites in Canada Impacted with Per- and Polyfluoroalkylated Substances	S. An
WP018	An Approach for Developing Risk Based Screening Criteria for Consumption of Food Crops Impacted by Poly- and Perfluoroalkyl Substances	J. Brown
WP019	Mixture Exposure to PFAS: A Relative Potency Factor Approach	W. Bil
WP020	Estimates and Perspectives on Risk of PFOS to Aquatic and Terrestrial Receptors	A. East
WP021	Guidance for Assessing the Ecological Risks of Threatened and Endangered Species at Aqueous Film Forming Foam (AFFF)-Impacted Sites	J. Conder
WP022	Approaches for Perfluoroalkyl Acid Grouping and Assessment of Mixture Toxicity	P. Goodrum
WP023	Human Health Risk Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Using a Toxic Equivalency Factor (TEF) Approach for a Site in New Jersey	E. Strake
WP024	Developing an Approach for Assessing Per- and Polyfluoroalkyl Substances Risk to Threatened and Endangered Species	J. Zodrow
WP025	Investigating Potential Risk to Threatened and Endangered Species from PFAS on Department of Defense Sites	J. Suski
WP026	Per- and Polyfluoroalkyl Substances and Superfund	L. Libelo
WP027	Superfund Research Program PFAS Activities: Identifying Exposures, Hazards, and Solutions	H. Henry
WP028	A Framework for Assessing Bioaccumulation and Exposure Risks of Per- and Polyfluoroalkyl Substances in Threatened and Endangered Species	B. Kelly
WP029	Developing Ecological Screening Levels for PFAS in Soils and Surface Waters	K. Picel
WP030	Framework for Assessing Risks to Threatened and Endangered Aquatic Life at PFAS Impacted Sites	J. Arblaster
WP031	Towards a Chemical-Safe Environment: Novel Tools for Assessing Environmental and Human Health Impacts of PFAS and Other Persistent and Mobile Compounds	C. van Gestel
WP032	Guidelines for PFOS and PFOA: Scientific Learnings Using New Methodologies in Australia and New Zealand	K. Broadgate
WP033	Developing Hazard Rating Calculation Methodologies for Per- and Polyfluoroalkyl Substances (PFAS)	M. McDougall
WP034	Predicting Ecotoxicity of Per- and Polyfluoroalkyl Substances (PFAS): Using In Vitro and In Silico Information	S. Thakali
WP035	The Ecological Risk and Transport of Poly- and Perfluoroalkyl Substances Throughout a Trophic System of the Tidal Freshwater Potomac River	T. King
<b>Treatment and Remediation</b>		
WP036	PFAS and Waste - What To Do with It Now?	H. Behzadi
WP037	Waste Incineration of Polytetrafluoroethylene (PTFE) to Evaluate Potential Formation of Per- and Polyfluorinated Substances (PFAS) in Flue Gas	D. Pigeon
WP038	Evaluation of the Removal of Amphoteric Foaming Agents Present in an AFFF Product from Groundwater Using Granular Activated Carbon	B. Mader
WP039	Effects of Carbon-Chain Length, Functional Group, and Common Groundwater Matrix on PFAAs Reduction by NiFeO-AC	J. Zenobio
WP040	Assessing the Effectiveness of Point-of-Use Residential Drinking Water Filters for Perfluoroalkyl Substances (PFASs)	N. Herkert
WP041	Occurrence and Treatment of Per- and Polyfluoroalkyl Ether Acids in North Carolina Surface Water	Z. Hopkins
WP042	Effect of Soil Compost-Amendment on Mitigation of PFAS Uptake into Lettuce	Y. Li
WP043	Sediment Management Implications at Sites with Perfluoroalkyl Acids and Perfluoroalkyl Acid Precursors	D. Opdyke
WP044	Modeling of Potential PFA Leaching from Land Applied Biosolids to Groundwater	M. Propato
WP045	6:2 Fluorotelomer Sulfonate (6:2 FTS) Biodegradation: Desulfonation and Defluorination	K. Chu



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