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2013 STAA AWARDED NOMINATIONS REPORT

Award Level	Nomi. ID	Publication Title & Full Citation	Eligible/Ineligible Authors	Lab/Office/ Institution	Citation
evel 2	S13EP0007	Global Air Quality and Health Co-Benefits of Mitigating Near-Term Climate Change through Methane and Black Carbon Emission Controls Environmental Health Perspectives, 120(6):831-839 (2012)	Susan Anenberg Joel Schwartz (Non-EPA) Drew Shindell (Non-EPA) Markus Amann (Non-EPA) Greg Faluvegi (Non-EPA) Zbigniew Klimont (Non-EPA) Greet Maenhout (Non-EPA) Luca Pozzoli (Non-EPA) Rita van Dingenen (Non-EPA) Elisabetta Vignati (Non-EPA) Lisa Emberson (Non-EPA) Nicholas Muller (Non-EPA) Jason West (Non-EPA) Martin Williams (Non-EPA) Volodymyr Demkine (Non-EPA) Kevin Hicks (Non-EPA) Johan Kuylenstierna (Non-EPA) Frank Raes (Non-EPA) Veerabhadran Ramanathan (Non-EPA)	OAR, Washington, DC	Air Quality and Health Benefits of Controlling Short-Lived Climate Pollutants

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evel 2	S13ER0010	(1) Effects of Copper, Cadmium, Lead, and Arsenic in a Live Diet on Juvenile Fish Growth Canadian Journal of Fisheries and Aquatic Sciences, 67(11):1816-1826 (2010) (2) The Relative Importance of Waterborne and Dietborne Arsenic Exposures on Survival and Growth of Juvenile Rainbow Trout Aquatic Toxicology, 104(1-2):108-115 (2011)	Russell J. Erikson David R. Mount Terry L. Highland James R. Hockett Correne T. Jenson Vincent R. Mattson Edward N. Leonard Timothy D. Dawson (Non-EPA) Kevin G. Lott (Non-EPA)	NHEERL, Duluth, MN	Demonstrating the Importance of Addressing Dietary Exposure in Aquatic Risk Assessments for Arsenic
evel 2	S13HE0022	Controlled Exposure of Healthy Young Volunteers to Ozone Causes Cardiovascular Effects Circulation, 126(1):104-111 (2012)	Robert B. Devlin David Diaz-Sanchez Michael T. Schmitt Ana G. Rappold Kelly Duncan (Non-EPA) Melanie Jardim (Non-EPA)	NHEERL, Research Triangle Park, NC	Demonstrating Cardiovascular Effects in Human Volunteers Exposed to Ozone
evel 2	S13HE0030	(1) TRPA1 and Sympathetic Activation Contribute to Increased Risk of Triggered Cardiac Arrhythmias in Hypertensive Rats Exposed to Diesel Exhaust Environmental Health Perspectives, 119(7):951-957 (2011) (2) Divergent Electrocardiographic Responses to Whole and Particle-free Diesel Exhaust Inhalation in Spontaneously Hypertensive Rats Toxicological Sciences, 125(2):558-568 (2012) (3) Whole and Particle-free Diesel Exhausts Differentially Affect Cardiac Electrophysiology, Blood Pressure, and Autonomic Balance in Heart Failure-prone Rats Toxicological Sciences, 128(2):490-499 (2012)	Mehdi S. Hazari Aimen K. Farraj Najwa Haykal-Coates Darrell W. Winsett Q. Todd Krantz Charly King Daniel L. Costa, Sc.D. Wayne E. Cascio Alex P. Carll (Non-EPA) Christina M. Perez (Lamb) (Non-EPA)	NHEERL, Research Triangle Park, NC	Assessing the Differential Effects of Whole vs. Particle-Free Diesel Exhaust towards Understanding Component Toxicity

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evel 2	S13MM0057	(1) Inter-laboratory Comparison of Real-time PCR Methods for Quantification of General Fecal Indicator Bacteria Environmental Science and Technology, 46:945-953 (2011) (2) MPN Estimation of QPCR Target Sequence Recoveries from Whole Cell Calibrator Samples Journal of Microbiological Methods, 87:3343-349 (2011) (3) Comparison of Enterococcus qPCR Analysis Results from Fresh and Marine Waters on Two Real-time Instruments Analytical Biochemistry, 430:68-74 (2012)	Mano Sivaganesan Richard A. Haugland Manju Varma Orin C. Shanks Shawn Siefring Kevin H. Oshima Catherine A. Kelty Lindsay Peed Rachel T. Noble (Non-EPA) Angelia Denene Blackwood (Non-EPA) Monica R. Greene (Non-EPA) Rebecca N. Bushon (Non-EPA) Erin A. Stelzer (Non-EPA) Julie Kinzelman (Non-EPA) Tamara Anan'eva (Non-EPA) Christopher Sinigalliano (Non-EPA) David Wanless (Non-EPA) John Griffith (Non-EPA) Yiping Cao (Non-EPA) Stephen Weisberg (Non-EPA) Valerie J. Harwood (Non-EPA) Christopher Staley (Non-EPA)	NERL, Cincinnati, OH	Scientific and Technical Achievement Supporting Implementation of EPA Method 1611 for Rapid Recreational Water Testing

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evel 2	S13OR0064	(1) Temporal Patterns and Sources of Atmospherically Deposited Pesticides in Alpine Lakes of the Sierra Nevada, California, USA Environmental Science & Technology, 44:4609-4614 (2010) (2) Spatial Patterns of Atmospherically Deposited Organic Contaminants at High-Elevation in the Southern Sierra Nevada Mountains, California Environmental Toxicology and Chemistry, 29:1056-1066 (2010) (3) Pesticide Distributions and Population Declines of California, USA, Alpine Frogs, Rana muscosa and Rana sierra Environmental Toxicology and Chemistry, 30:682-691 (2011)	David F. Bradford Edward M. Heithmar Maliha S. Nash Nita G. Tallent-Halsell Georges-Marie Momplaisir Charlita G. Rosal Lee A. Riddick Katrina A. Varner Kerri A. Stanley (Non-EPA) Roland A. Knapp (Non-EPA) Laura L. McConnell (Non-EPA) Stacy L. Massey Simonich (Non-EPA) Donald W. Sparling (Non-EPA)	NERL, Las Vegas, NV	Evaluation of Airborne Pesticides as a Cause for Amphibian Population Declines in the Sierra Nevada, California
evel 2	S13RA0083	Location Decisions of U.S. Polluting Plants: Theory, Empirical Evidence, and Consequences International Review of Environmental and Resource Economics, 4(1):1-49 (2010)	Ann Wolverton Ronald Shadbegian	NCEE, Washington, DC	Synthesis of Research on the Effects of Environmental Regulation and Demographics on the Location of Polluting Sources
evel 2	S13SI0087	Estuarine Biotope Mosaics and Habitat Management Goals: An Application in Tampa Bay, Florida, USA Estuaries and Coasts (Springer Publishing), 34(6):1278-1292 (2011)	Giancarlo Cicchetti Holly Greening (Non-EPA)	NHEERL, Narrangansett, RI	Development, Demonstration and Transfer of a Tool for Large-Scale Estuarine Management as Applied in Tampa Bay

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evel 3	S13ER0008	(1) Metabolite Profiling and a Transcriptional Activation Assay Provide Direct Evidence of Androgen Receptor Antagonism by Bisphenol A in Fish Environmental Science & Technology, 46:9673-9680 (2012) (2) Use of Chemical Mixtures to Differentiate Mechanisms of Endocrine Action in a Small Fish Model Aquatic Toxicology, 99:389-396 (2010)	Gerald T. Ankley Drew R. Ekman Elizabeth J. Durhan Kathleen M. Jensen Michael D. Kahl Daniel L. Villeneuve Mary C. Cardon David M. Skelton Timothy W. Collette L. Earl Gray, Jr. Phillip C. Hartig Elizabeth A. Makynen Quincy Teng Jenna E. Cavallin (Non-EPA) Nathan D. Mueller (Non-EPA) Leah C. Wehmas (Non-EPA) Dalma Martinovic (Non-EPA)	NHEERL, Duluth, MN	Innovative Use of Multiple Lines of Evidence to Establish an Anti-Androgenic Mode of Action for Bisphenol A in Fish
evel 3	S13ER0011	(1) Structural and Functional Characteristics of Natural and Constructed Headwater Channels Draining a Reclaimed Mountaintop Removal and Valley Fill Coal Mine Journal of the North American Benthological Society, 29(2):673-689 (2010) (2) An Assessment of Cellulose Filters as a Standardized Material for Measuring Litter Breakdown in Headwater Streams Ecohydrology, 4(3):469-476 (2011)	Ken M. Fritz Stephanie Fulton Brent R. Johnson Roger A. Burke Christopher D. Barton (Non-EPA) Jeffrey D. Jack (Non-EPA) David A. Word (Non-EPA)	NERL, Cincinnati, OH	Providing Science to Inform Decisions on Compensatory Mitigation of Headwater Streams Affected by Surface Mining

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evel 3	S13ER0014	Watershed and Lake Influences on the Energetic Base of Coastal Wetland Food Webs Across the Great Lakes Basin Journal of Great Lakes Research, 38(3):418-428 (2012)	Michael E. Sierszen John C. Brazner Anne M. Cotter John A. Morrice Gregory S. Peterson Anett S. Trebitz	NHEERL, Duluth, MN	Identifying Ecosystem Interactions that Support Great Lakes Coastal Food Webs
evel 3	S13HE0017	(1) Evaluation of Two Different Metabolic Hypotheses for Dichloromethane Toxicity Using Physiologically Based Pharmacokinetic Modeling for In Vivo Inhalation Gas Uptake Exposure in Female B6C3F1 Mice Toxicology and Applied Pharmacology, 244(3):280-290 (2010) (2) Physiologically Based Pharmacokinetic (PBPK) Modeling of Metabolic Pathways of Bromochloromethane in Rats Journal of Toxicology, 2012(629781):1-14 (2012)	Marina V. Evans Jane C. Caldwell Christopher R. Eklund William S. Cuello (Non-EPA) Tyler A. Janes (Non-EPA) Jill M. Jessee (Non-EPA) Melissa A. Venecek (Non-EPA) Megan E. Sawyer (Non-EPA)	NHEERL, Research Triangle Park, NC	Testing of a Mechanistic Hypothesis for Volatile Methanes Using Computational Modeling and Sensitivity Analyses
evel 3	S13HE0018	Relative Bioavailability and Bioaccessibility and Speciation of Arsenic in Contaminated Soils Environmental Health Perspectives/Peer-reviewed, 119(11):1629-1634 (2011)	Karen D. Bradham Kirk G. Scheckel David J. Thomas Clay M. Nelson Michael F. Huges Aaron Yeow Sophia M. Serda Sharon Harper Paul E. Seales (Non-EPA) Grace E. Lee (Non-EPA) Bradley W. Miller (Non-EPA) Thomas Gilmore (Non-EPA)	NRMRL, Cincinnati, OH	Assessing and Predicting the Risk of Soil Arsenic on Human Health

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evel 3	S13HE0021	(1) Short-term Exposure to Triclosan Decreases Thyroxine in Vivo via Upregulation of Hepatic Catabolism Toxicological Sciences, 113(2):367-379 (2010) (2) Developmental Triclosan Exposure Decreases Maternal and Neonatal Thyroxine in Rats Environmental Toxicology and Chemistry, 29(12):2840-2844 (2010) (3) Developmental Triclosan Exposure Decreases Maternal, Fetal, and Early Neonatal Thyroxine: A Dynamic and Kinetic Evaluation of a Putative Mode-of-Action Toxicology, 300(1-2):31-45 (2012)	Kevin M. Crofton Joan M. Hedge Michael J. DeVito Katie B. Paul (Non-EPA) Ruby Bansal (Non-EPA) Robert Peter (Non-EPA) R. Thomas Zoeller (Non-EPA)	NHEERL, Research Triangle Park, NC	Characterization of an Adverse Outcome Pathway for the Thyroid-Disrupting Activity of Triclosan across Life-Stages
evel 3	S13HE0024	The Exposure Data Landscape for Manufactured Chemicals Science of the Total Environment, 414:159-166 (2012)	Peter P. Egeghy Elaine A. Cohen Hubal Richard Judson Sumit Gangwal Shad Mosher (Non-EPA) Doris Smith (Non-EPA) James Vail (Non-EPA)	NERL, Research Triangle Park, NC	Revealing the Paucity of Readily Accessible Human-Exposure Data on the Vast Majority of Chemicals in Commerce
evel 3	S13HE0027	Approaches to Cancer Assessment in EPA's Integrated Risk Information System Toxicology and Applied Pharmacology, 254(2):170-180 (2011)	Martin W. Gehlhaus, III Jeff Gift Karen Hogan Leonid Kopylev Paul Schlosser Abdel Kadry	NCEA, Washington, DC	Contributions to the Improved Transparency of Carcinogen Risk Assessment within IRIS Human-Health Assessments

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evel 3	S13HE0032	(1) Subchronic Pulmonary Pathology, Iron Overload, and Transcriptional Activity after Libby Amphibole Exposure in Rat Models of Cardiovascular Disease Environmental Health Perspectives, 120(1):85-91 (2012) (2) The role of iron Libby amphibole-induced acute lung injury and inflammation Inhalation Toxicology, 23(6):313-323 (2011) (3) Transcriptional activation of inflammasome components by Libby amphibole and the role of iron Inhalation Toxicology, 24(1):60-69 (2012)	Urmila P. Kodavanti Matte C. Schladweiler Stephen H. Gavett Andrew J. Ghio Beena D. Vallanat William O. Ward John K. McGee Debora Andrews Judy E. Richards Jonathan H. Shannahan (Non-EPA) Mark Cesta (Non-EPA) Abraham Nyska (Non-EPA)	NHEERL, Research Triangle Park, NC	Unraveling the Role of Iron in Asbestos Toxicity and Susceptibility of Those with Disease-Related Iron Overload
evel 3	S13HE0033	(1) Application of WWTP Biosolids and Resulting Perfluorinated Compound Contamination in Surface and Well Water in Decatur, Alabama, USA Environmental Science & Technology, 45(19):8015-8021 (2011) (2) Determination of Perfluorinated Compounds in the Upper Mississippi River Basin Environmental Science & Technology, 44(11):4103-4109 (2010) (3) Geographical Distribution of Perfluorinated Compounds in Fish From Minnesota Lakes and Rivers Environmental Science & Technology, 44(7):2549-2554 (2010)	Andrew B. Lindstrom Mark J. Strynar E. Laurence Libelo Michael Neill Amy D. Delinsky (Non-EPA) Shoji F. Nakayama (Non-EPA) Larry McMillan (Non-EPA) Jerry Varns (Non-EPA) Patricia McCann (Non-EPA) Jessica Reiner (Non-EPA)	NERL, Research Triangle Park, NC	Research Characterizing the Transport and Fate of Persistent Perfluorinated Compounds in the Environment

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evel 3	S13HE0040	(1) An Integrated Imaging Approach to the Study of Oxidative Stress Generation by Mitochondrial Dysfunction in Living Cells Environmental Health Perspectives, 118(7):902-908 (2010) (2) Linking Oxidative Events to Inflammatory and Adaptive Gene Expression Induced by Exposure to an Organic Particulate Matter Component Environmental Health Perspectives, 120(2):267-264 (2112) (3) Monitoring Intracellular Redox Changes in Ozone-Exposed Airway Epithelial Cells Environmental Health Perspectives, : (2012)	James M. Samet Steven O. Simmons Robert M. Zucker Robert Silbajoris Haiyan Tong Wan-Yun Cheng (Non-EPA) Eugene Gibbs-Flournoy (Non-EPA) Philip Bromberg (Non-EPA) Thomas Hofer (Non-EPA) Evan W. Miller (Non-EPA) Christopher Chang (Non-EPA) James Remington (Non-EPA) Tobias P. Dick (Non-EPA) Jenna Currier (Non-EPA)	NHEERL, Research Triangle Park, NC	Implementation of an Advanced Molecular-Imaging Approach to the Study of Environmental Oxidant Stress
evel 3	S13HE0041	(1) Simulating Quantitative Cellular Responses Using Asynchronous Threshold Boolean Network Ensembles BMC Systems Biology, 5(109): (2011) (2) Simulating Microdosimetry in a Virtual Hepatic Lobule PLoS Computational Biology, 6(4):e1000756 (2010) (3) Virtual Tissues in Toxicology Journal of Toxicology and Environmental Health B Crit Rev, 13:314-328 (2010)	Imran Shah John F. Wambaugh John Jack	NCCT, Research Triangle Park, NC	Innovations Allowing the Creation of Virtual Liver Tissues for Predicting In Vivo Effects From In Vitro Data
evel 3	S13HE0043	Benchmark Dose Analysis for Bacillus anthracis Inhalation Exposures in the Nonhuman Primate Risk Analysis, An International Journal, 32(10):1750-1768 (2012)	Sarah C. Taft Stephanie A. Hines (Non-EPA)	NHSRC, Cincinnati, OH	Benchmark Dose Analysis for Bacillus Anthracis to Inform Clearance Goals

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evel 3	S13HE0044	Evaluation of Deltamethrin Kinetics and Dosimetry in the Maturing Rat using a PBPK Model Toxicology and Applied Pharmacology, 244(2):208-217 (2010)	Rogelio Tornero-Velez Ahmad Mirfazaelian (Non-EPA) Jeffrey W. Fisher (Non-EPA) James V. Bruckner (Non-EPA) Kyu-Bong Kim (Non-EPA) Sathanandam S. Anand (Non-EPA) Hyo J. Kim (Non-EPA) Wendy T. Haines (Non-EPA)	NERL, Research Triangle Park, NC	Accounting for Age Dependence in Pyrethroid Pharmacokinetics
evel 3	S13IE0050	Near-Real-Time Combustion Monitoring for PCDD/PCDF Indicators by GC-REMPI-TOFMS Environmental Science & Technology (Sci. Journal), 46(2):923-928 (2012)	Lukas Oudejans Brian Gullett Dennis Tabor Shawn Ryan Abderrahmane Touati (Non-EPA)	NRMRL, Cincinnati, OH	Advancing State-of-the-Art Technology to Measure Diox/Furan Emmissions from Combustion Sources in Near Time
evel 3	S13IR0054	Direct Application of Biota-Sediment Accumulation Factors Environmental Toxicology and Chemistry, 29(1):230-236 (2010)	Lawrence P. Burkhard Philip M. Cook Marta T. Lukasewycz	NHEERL, Duluth, MN	Understanding the Uncertainties in Applying Biota-Sediment Accumulation Factors at Superfund Sites
evel 3	S13MM0056	Development and Evaluation of EPA Method 1615 for Detection of Enterovirus and Norovirus in Water Applied and Environmental Microbiology, 79(1):215-223 Applied and Environmental Microbiology, 79(1):215-223 (2013)	Jennifer L. Cashdollar Nichole E. Brinkman Shannon M. Griffin Brian R. McMinn Eric R. Rhodes Eunice A. Varughese G. Shay Fout Ann C. Grimm Sandhya U. Parshionikar Larry Wymer	NERL, Cincinnati, OH	Development and Evaluation of EPA Method 1615

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evel 3	S13MM0059	(1) Metagenome Analyses of Corroded Concrete Wastewater Pipe Biofilms Reveal a Complex Microbial System BioMed Central Microbiology, 12(122):1-14 (2012) (2) Metagenomic Analyses of Drinking Water Receiving Different Disinfection Treatments Applied and Environmental Microbiology, 78(17):6095-6102 (2012)	Jorge W. Santo Domingo Randy P. Revetta Vicente Gomez-Alvarez	NRMRL, Cincinnati, OH	Characterization of Microbial Functional Networks of Drinking Water and Wastewater Systems via Metagenome Analysis
evel 3	S13OR0063	Effects from Filtration, Capping Agents, and Presence/Absence of Food on the Toxicity of Silver Nanoparticles to Daphnia magna Environmental Toxicology and Chemistry, 29(12):2742-2750 (2010)	H. Joel Allen Christopher A. Impellitteri Dana A. Macke Deborah L. Roose Helen C. Poynton James M. Lazorchak J. Lee Heckman (Non-EPA) Shekar Govindaswamy (Non-EPA) Mallikarjuna N. Nadagouda (Non-EPA)	NRMRL, Cincinnati, OH	Research Regarding the Toxicity of Silver Nanoparticles
evel 3	S13OR0065	Post-processing Method to Reduce Noise while Preserving High Time Resolution in Aethalometer Real-time Black Carbon Data Aerosol and Air Quality Research (Scientific Journal, 11:539-546 (2011)	Gayle S.W. Hagler Tiffany L.B. Yelverton Ram Vedantham Anthony D.A. Hansen (Non-EPA) Jay R. Turner (Non-EPA)	NRMRL, Cincinnati, OH	A Noise-Reduction Algorithm to Improve the Utility of Black-Carbon Data - a Key Pollutant of Concern for Health and Climate

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evel 3	S13OR0069	Human and Rat ABC Transporter Efflux of Bisphenol A and Bisphenol A Glucuronide: Interspecies Comparison and Implications for Pharmacokinetic Assessment Toxicological Sciences, 128(2):317-325 (2012)	Christopher S. Mazur Satori Marchitti John Kenneke Mira Dimova (Non-EPA) Annie Lumen (Non-EPA) Jeff Fisher (Non-EPA)	NERL, Athens, GA	Providing Critical Pharmacokinetic Data Needed for Human-Health Risk Assessment of BPA
evel 3	S13OR0072	Production and Consumption of Reactive Oxygen Species by Fullerenes Environmental Toxicology & Chemistry, 31(1):136-143 (2012)	Richard G. Zepp Lingjun Kong (Non-EPA)	NERL, Athens, GA	Creative Research on Data and Relationships for Evaluating Environmental Production of ROS by Carbon Nanoparticles
evel 3	S13RA0077	Active Pharmaceutical Ingredients and Aquatic Organisms Environmental Contaminants in Biota: Interpreting Tissue Concentrations, W. Nelson Beyer and James P. Meador (Eds.), 2nd, ch. 8:287-347 (2011)	Christian G. Daughton Bryan W. Brooks (Non-EPA)	NERL, Las Vegas, NV	First Synoptic Review of Aquatic Biota Exposure to Pharmaceutical Residues: Tissue Levels and Bioconcentration
evel 3	S13RA0079	(1) U.S. Environmental Protection Agency Radiogenic Risk Models and Projections for the U.S. Population Health Physics / Print, : (2012) (2) U.S. Environmental Protection Agency Radiogenic Risk Projections: Uncertainty Analysis Health Physics / Print, : (2012)	David J. Pawel Jerome S. Puskin	ORIA, Washington, DC	Outstanding Papers on EPA's Radiogenic Cancer Risk Projections and Their Uncertainties
evel 3	S13SI0088	Green Pharmacy and Pharm Ecovigilance: Prescribing and the Planet Expert Review of Clinical Pharmacology, 4(2):211-232 (2011)	Christian G. Daughton Ilene S. Ruhoy (Non-EPA)	NERL, Las Vegas, NV	Sustainable Solutions in Healthcare to Prevent Medication Waste and Environmental Contamination by Pharmaceuticals

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evel 3	S13SI0090	(1) Ecological Periodic Tables for Benthic Macrofaunal Usage of Estuarine Habitats in the US Pacific Northwest Estuarine, Coastal and Shelf Science, 94:36-47 (2011) (2) Ecological Periodic Table for Benthic Macrofaunal Usage of Estuarine Habits: Insights from a Case study in Tillamook Bay, Oregon, USA Estuarine, Coastal and Shelf Science, 102-103:70-83 (2012)	Steven P. Ferraro Faith A. Cole	NHEERL, Corvallis, OR	Groundbreaking Research and Development on Ecological Periodic Tables

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evel 3	S13TF0096	(1) Incremental Testing of the Community Multiscale Air Quality (CMAQ) Modeling System Version 4.7 Geoscientific Model Development, 3(1):205-226 (2010) (2) Model Representation of Secondary Organic Aerosol in CMAQv4.7 Environmental Science and Technology, 44(22):8553-8560 (2010) (3) Simulating Emission and Chemical Evolution of Coarse Sea-Salt Particles in Community Multiscale Air Quality (CMAQ) Model Geoscientific Model Development, 3(1):257-273 (2010)	Kristen Foley Shawn Roselle Keith Wyat Appel Prakash Bhave Ann Marie Carlton James Kelly Jonathan Pleim Golam Sarwar Robert Gilliam Christopher Nolte Sergey Napelenok Tanya Otte Jeffrey Young David Wong Rohit Mathur Alice Gilliland Edward Edney George Pouliot William Hutzell Jesse Bash Robert Pinder Deborah Luecken Russell Bullock Donna Schwede Marc Houyoux Uma Shankar (Non-EPA)	NERL, Research Triangle Park, NC	The Development and Systematic Evaluation of a Substantially Upgraded Air-Quality Modeling System
evel 3	S13TF0097	Use of Spatially Explicit Physicohemical Data to Measure Downstream Impacts of Headwater Stream Disturbance Water Resources Research, 46(W09526): (2010)	Brent R. Johnson Ken M. Fritz Adam Haas (Non-EPA)	NERL, Cincinnati, OH	Predicting Effects of Headwater Stream Disturbance on Downstream Water Quality

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evel HM	S13CS0001	(1) Emissions of PCDD/Fs, PCBs, and PAHs from a Modern Diesel Engine Equipped with Catalyzed Emission Control Systems Environmental Science & Technology, 45(15):6420-6428 (2011) (2) Emissions of PCDD/Fs, PCBs, and PAHs from legacy on-road heavy-duty diesel engines Chemosphere, 89(11):1287-1294 (2012)	Christopher A. Laroo Charles R. Schenk L. James Sanchez Joseph McDonald Peter L. Smith (Non-EPA)	OTAQ, Ann Arbor, MI	Innovative Emissions Research and Development of Sampling Methods to Advance the EPA's Understanding of Diesel Emissions
evel HM	S13EE0003	(1) Emissions Characterization of Residential Wood-Fired Hydronic Heater Technologies Atmospheric Environment, 63:239-249 (2012) (2) Characterization of Carbonaceous Aerosols Emitted from Outdoor Wood Boilers Energy and Fuels, 25(12):5632-5638 (2011)	John S. Kinsey Michael D. Hays William P. Linak Brian K. Gullett Charly J. King Tiffany L.B. Yelverton Abderrahmane Touati (Non-EPA) Johanna Aurell (Non-EPA) James Robinson (Non-EPA) Seung-Hyun Cho (Non-EPA) William Preston (Non-EPA)	NRMRL, Cincinnati, OH	Characterization of the Air-Pollutant Emissions from Wood-Fired Hydronic Heaters
evel HM	S13EP0004	Management Relevance of Benthic Biogeography at Multiple Scales in Coastal Waters of the Northeast US Environmental Management, DOI 10.100:1-13 (2012)	Stephen S. Hale Melville P. Cote, Jr. Renee Searfoss Mark A. Tedesco	NHEERL, Narragansett, RI	Describing the Relevance of Biogeographic Data to the EPA and the Effects of New Sustainability Initiatives on the EPA
evel HM	S13EP0005	Recreation Demand Estimation and Valuation in Spatially Connected Systems Resource and Energy Economics, 32(2 SI):222-240 (2010)	Stephen C. Newbold D. Matthew Massey	NCEE, Washington, DC	Advancing Recreational Demand Modeling by Accounting for Species Population Dynamics and Habitat Selection

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evel HM	S13EP0006	A Demonstration of the Necessity and Feasibility of Using a Clumsy Decision Analytic Approach on Wicked Environmental Problems Integrated Environmental Assessment and Management, 9(1):17-30 (2012)	Cynthia Stahl Alan Cimorelli	Region 3, Philadelphia, PA	Recognition of Wicked Problems and Helping to Advance Science-Based and Solutions-Oriented Environmental Policy Decision Making at the EPA through the Development and Demonstration of a Stakeholder-Driven, Transparent and Learning-Focused Approach
evel HM	S13ER0009	(1) Assessment of Probable Causes of Reduced Aquatic Life in the Touchet River, Washington, USA Human and Ecological Risk Assessment, 16:87-115 (2010) (2) Causal assessment of biological impairment n the Little Floyd River, Iowa, USA Human and Ecological Risk Assessment, 16:116-148 (2010) (3) An Iterative Approach for Identifying the Causes of Reduced Benthic Macroinvertebrate Diversity in the Williamatic River, Connecticut Government Report, :121 (2010)	Susan M. Cormier Michael LeMoine Chad D. Wiseman (Non-EPA) Danelle Haake (Non-EPA) Christopher Bellucci (Non-EPA) Guy Hoffman (Non-EPA) Arthur Stewart (Non-EPA) Tom Wilton (Non-EPA) Ken Krier (Non-EPA)	NCEA, Cincinnati, OH	A Collection of Ecological Studies Using Epidemiological Methods

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evel HM	S13ER0012	(1) Effects of a Glucocorticoid Receptor Agonist, Dexamethasone, on Fathead Minnow Reproduction, Growth, and Development Environmental Toxicology and Chemistry, 31(3):611-622 (2012) (2) Effects of Gemfibrozil on Lipid Metabolism, Steroidogenesis, and Reproduction in the Fathead Minnow (Pimephales promelas) Environmental Toxicology and Chemistry, 31(11):2615-2624 (2012) (3) Short-Term Study Investigating the Estrogenic Potency of Diethylstilbesterol in the Fathead Minnow (Pimephales promelas) Environmental Science & Technology, 46:7826-7835 (2012)	Carlie A. LaLone Gerald T. Ankley Daniel L. Villeneuve Michael D. Kahl Kathleen M. Jensen Elizabeth M. Durhan Elizabeth A. Makynen Rodney D. Johnson Allen W. Olmstead Sarah Y. Skolness (Non-EPA) Olufemi B. Adedeji (Non-EPA) Chad A. Blanksma (Non-EPA) Jenna E. Cavallin (Non-EPA) Linnea M. Thomas (Non-EPA) Sara M. Seidl (Non-EPA) Leah C. Wehmas (Non-EPA) Natália Garcia-Reyero (Non-EPA) Edward J. Perkins (Non-EPA) Elizabeth K. Medlock (Non-EPA)	NHEERL, Duluth, MN	Novel Strategies for Evaluating Toxic Effects of Pharmaceuticals Commonly Detected in the Environment

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evel HM	S13ER0013	In Vivo Assessment and Potential Diagnosis of Xenobiotics that Perturb the Thyroid Pathway: Proteomic Analysis of Xenopus Laevis Brain Tissue Following Exposure to Model T4 Inhibitors Comparative Biochemistry and Physiology, Part D, Genomics and Proteomics, 5(2):138-150 (2010)	Jose A. Serrano Sigmund J. Degitz Gary W. Holcombe Joseph E. Tietge Joseph J. Korte Patricia A. Kosian LeeAnn Higgins (Non-EPA) Bruce A. Witthuhn (Non-EPA) Lorraine B. Anderson (Non-EPA) Todd W. Markowski (Non-EPA)	NHEERL, Duluth, MN	Development of Efficient Tools to Assess the Potential of Differential-Protein Profiling for Diagnosis of T4 Inhibition

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evel HM	S13HE0019	Predicting Residential Air Exchange Rates from Questionnaires and Meteorology: Model Evaluation in Central North Carolina Environmental Science & Technology (ES&T), 44(24):9349-9356 (2010)	Michael S. Breen Ronald W. Williams Bradley D. Schultz Miyuki Breen (Non-EPA)	NERL, Reseach Triangle Park, NC	Modeling Residential Air-Exchange Rates to Support Air-Pollution Risk Assessments

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evel HM	S13HE0025	Allergens in Household Dust and Scrological Indicators of Atopy and Sensitization in Detroit Children with History-Based Evidence of Asthma Journal of Asthma, 48(7):674-684 (2011)	Ann H. Williams Jane E. Gallagher James Travis Smith Edward E. Hudgens Haluk A. Ozkaynak Scott W. Rhoney Robert G. Hamilton (Non-EPA)	NHEERL, Chapel Hill, NC	Associations between Self-Collected Dust Allergens and Serological Measures of Childhood Allergy and Asthma
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evel HM	S13HS0047	Laboratory Evaluation of Large-Scale Decontamination Approaches Journal-Journal of Applied Microbiology, 112(5):874-882 (2012)	Michael Worth Calfee Shawn P. Ryan Joseph P. Wood Leroy Mickelsen Carlton Jeff Kempter Lori Miller (Non-EPA) Michele Colby (Non-EPA) Abderrahamane Touati (Non-EPA) Matthew Clayton (Non-EPA) Nicole Griffin-Gatchalian (Non-EPA) Francis Delafield (Non-EPA)	NHSRC, Cincinnati, OH	Research to Support Wide-Area Decontamination

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