

Presentations

EPA's scientists and engineers from across the Agency's laboratories, centers and offices will provide the following presentations at the American Water Works Association Conference on Nov. 16-20 in Cincinnati, Ohio.

National Exposure Research Laboratory

1. Ashbolt, N. In *Focusing on Hazardous Events to Assess and Manage the Real Risks from Drinking Water Outbreaks* AWWA WQTC, Cincinnati, OH, Wednesday, November 19, 2008, 9:30 AM, 2008; Cincinnati, OH, 2008.
2. Brinkman, N. In *Laboratory: Prepare reactions and begin runs*, AWWA WQTC, Cincinnati, OH, Sunday, November 16, 2008, 10:40 AM - 12:00 PM, 2008; Cincinnati, OH, 2008.
3. Brinkman, N.; Cashdollar, J.; Haugland, R.; Hayes, S.; Olszewski, J.; Pfaller, S.; Parshionikar, S.; Sen, K. In *Laboratory/Lecture: Review run results (all instructors for this session)*, AWWA WQTC, Cincinnati, OH, Sunday, November 16, 2008, 3:30 PM - 4:30 PM, 2008; Cincinnati, OH, 2008.
4. Grimmett, P.; Munch, J. In *Development of a U.S. EPA Drinking Water Method for the Analysis of Emerging Organic Contaminants by GC/MS* AWWA WQTC, Cincinnati, OH, Monday, November 17, 2008, 11:00 AM, 2008; Cincinnati, OH, 2008.
5. Haugland, R. In *Lecture: Data Analysis*, AWWA WQTC, Cincinnati, OH, Sunday, November 16, 2008, 2:30 PM - 3:30 PM, 2008; Cincinnati, OH, 2008.
6. Husby, P.; Ware, M.; Harris, S.; Haugland, R.; Ferretti, J.; O'Shea, M.; Landy, R.; Villegas, E. In *Development and Performance Evaluation of a Cryptosporidium Parvum and Cryptosporidium Hominis Specific Real-Time PCR Assays* AWWA WQTC, Cincinnati, OH, Wednesday, November 19, 2008, 2:30 PM, 2008; Cincinnati, OH, 2008.
7. Parshionikar, S.; Fout, S. In *A Molecular Method to Distinguish Between Infectious and Non-infectious Viruses* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 9:30 AM, 2008; Cincinnati, OH, 2008.
8. Pfaller, S. In *Lecture: Environmental Water Applications of qPCR*, AWWA WQTC, Cincinnati, OH, Sunday, November 16, 2008, 2:00 PM - 2:30 PM, 2008; Cincinnati, OH, 2008.
9. Sen, K.; Acosta, J. In *Development of "BioballTM" as Internal Control for Detection of Helicobacter Pylori by Quantitative PCR* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 11:00 AM, 2008; Cincinnati, OH, 2008.
10. Shoemaker, J. In *Development of a U.S. EPA Method of the Analysis of Selected Drinking Water Contaminants by LC/MS/MS* AWWA WQTC, Cincinnati, OH, Monday, November 17, 2008, 11:30 AM, 2008; Cincinnati, OH, 2008.
11. Speth, T.; Miltner, R.; Simmons, J.; Richardson, S.; Pressman, J. In *Bromine Incorporation in Regulated and Emerging DBPs and the Relative Predominance of Mono-, Di-, and Trihalogenated DBPs* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 9:30 AM, 2008; Cincinnati, OH, 2008.
12. Varma, M.; Haugland, R.; Field, R.; Stinson, M.; Wymer, L. In *QPCR Analysis of Total & Viable Enterococci in Wastewater Treatment: Comparison with Culture in*

Predicting Pathogen Reductions AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 9:00 AM, 2008; Cincinnati, OH, 2008.

13. Villegas, E.; Ware, M. In *Cryptosporidium Off-The-Slide Genotyping: Recovery of Oocysts Extracted from Slides Examined by Method 1623* AWWA WQTC, Cincinnati, OH, Wednesday, November 19, 2008, 2:00 PM, 2008; Cincinnati, OH, 2008.

14. Ware, M. In *Molecular Genotyping of Viable Cryptosporidium Oocysts* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 11:30 AM, 2008; Cincinnati, OH, 2008.

National Health and Environmental Effects Research Laboratory

1. Speth, T.; Miltner, R.; Simmons, J.; Richardson, S.; Pressman, J. In *Bromine Incorporation in Regulated and Emerging DBPs and the Relative Predominance of Mono-, Di-, and Trihalogenated DBPs* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 9:30 AM, 2008; Cincinnati, OH, 2008.

National Risk Management Research Laboratory

1. Brinkman, N.; Cashdollar, J.; Haugland, R.; Hayes, S.; Olszewski, J.; Pfaller, S.; Parshionikar, S.; Sen, K. In *Laboratory/Lecture: Review run results (all instructors for this session)*, AWWA WQTC, Cincinnati, OH, Sunday, November 16, 2008, 3:30 PM - 4:30 PM, 2008; Cincinnati, OH, 2008.

2. Domingo, J. S. In *Evaluation of Two PCR-based Swine-specific Fecal Source Tracking Assays* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 10:00 AM, 2008; Cincinnati, OH, 2008.

3. Domingo, J. S.; Revetta, R. In *Molecular Diversity of Drinking Water Bacterial Communities using 16S rRNA Gene Sequence Analyses* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 10:30 AM, 2008; Cincinnati, OH, 2008.

4. Hayes, S. In *Welcome, Introduction to ETC Logistics* AWWA WQTC, Cincinnati, OH, Sunday, November 16, 2008, 9:00 AM - 9:10 AM, 2008; Cincinnati, OH, 2008.

5. Lytle, D. In *The Relationship Between Redox Stability, and Corrosion and Metal Release.*, AWWA WQTC, Cincinnati, OH, Sunday, November 16, 2008, 10:15 AM - 10:45 AM, 2008; Cincinnati, OH, 2008.

6. Lytle, D. In *Additional USEPA Accumulation and Release Studies* AWWA WQTC, Cincinnati, OH, Monday, November 17, 2008, 4:00 PM, 2008; Cincinnati, OH, 2008.

7. Lytle, D. In *Impact of Water Chemistry on Synthetically Precipitated Copper Particles* AWWA WQTC, Cincinnati, OH, Monday, November 17, 2008, 4:00 PM, 2008; Cincinnati, OH, 2008.

8. Lytle, D.; Schock, M. In *Comparison Between Synthesized Lead Particles and Lead Solids Formed on Surfaces in Real Drinking Water Distribution Systems* AWWA WQTC, Cincinnati, OH, Monday, November 17, 2008, 10:00 AM, 2008; Cincinnati, OH, 2008.

9. Lytle, D.; Sorg, T. In *Oxidant Selection for the Treatment of Manganese (II) Iron (II) and Arsenic (III) in Groundwaters* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 10:00 AM, 2008; Cincinnati, OH, 2008.
10. Nietch, C.; Brown, D. In *Monitoring, Modeling & Emergent Toxicology in the East Fork Watershed: Developing a Test Bed for Water Quality Management* AWWA WQTC, Cincinnati, OH, Wednesday, November 19, 2008, 11:30 AM, 2008; Cincinnati, OH, 2008.
11. O'Donnell, A.; Lytle, D. In *The Impact of Hexametaphosphate, pH, and Temperature on Copper Corrosion and Release* AWWA WQTC, Cincinnati, OH, Monday, November 17, 2008, 2:30 PM, 2008; Cincinnati, OH, 2008.
12. Olszewski, J. In *Lecture: Different Platforms and set up* AWWA WQTC, Cincinnati, OH, Sunday, November 16, 2008, 9:40 AM -10:10 AM, 2008; Cincinnati, OH, 2008.
13. Patterson, C.; Haught, R. In *Comparison of Garnet Bead Media Filtration and Multimedia Filtration for Turbidity and Microbial Pathogen Removal* AWWA WQTC, Cincinnati, OH, Wednesday, November 19, 2008, 3:30 PM, 2008; Cincinnati, OH, 2008.
14. Pressman, J.; Wahman, D. In *Monochloramine Microelectrode for In-Situ Application Within Chloraminated Distribution System Biofilm* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 4:30 PM, 2008; Cincinnati, OH, 2008.
15. Schock, M. In *Trace Metal and Rare-earth Element Contaminant Accumulation in Lead Pipe Scale from Domestic Drinking-Water Distribution Systems* AWWA WQTC, Cincinnati, OH, Monday, November 17, 2008, 3:30 PM, 2008; Cincinnati, OH, 2008.
16. Speth, T. In *EPA's Drinking Water Treatment Research: Looking to the Future* AWWA WQTC, Cincinnati, OH, Monday, November 17, 2008, 9:30 AM, 2008; Cincinnati, OH, 2008.
17. Speth, T.; Miltner, R.; Simmons, J.; Richardson, S.; Pressman, J. In *Bromine Incorporation in Regulated and Emerging DBPs and the Relative Predominance of Mono-, Di-, and Trihalogenated DBPs* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 9:30 AM, 2008; Cincinnati, OH, 2008.
18. Varma, M.; Haugland, R.; Field, R.; Stinson, M.; Wymer, L. In *QPCR Analysis of Total & Viable Enterococci in Wastewater Treatment: Comparison with Culture in Predicting Pathogen Reductions* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 9:00 AM, 2008; Cincinnati, OH, 2008.
19. Wahman, D.; Kleier, K.; Pressman, J. In *Monochloramine Disinfection Kinetics of Nitrosomonas Europaea Using Propidium Monoazide Quantitative Real-Time PCR (PMA-qPCR)* AWWA WQTC, Cincinnati, OH, Monday, November 17, 2008, 11:30 AM, 2008; Cincinnati, OH, 2008.
20. White, C.; Lytle, D. In *Morphological Analysis and Solubility of Lead Particles: Effect of Phosphates and Implications to Drinking Water Distribution*, AWWA WQTC, Cincinnati, OH, Wednesday, November 19, 2008, 2:00 PM, 2008; Cincinnati, OH, 2008.
21. Williams, D.; Lytle, D.; White, C. In *A Simple Approach to Assessing Copper Pitting Corrosion Tendencies and Developing Control Strategies* AWWA WQTC, Cincinnati, OH, Monday, November 17, 2008, 10:00 AM, 2008; Cincinnati, OH, 2008.

1. Fox, K. In *Overview of EPA Water Security Research* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 1:30 PM, 2008; Cincinnati, OH, 2008.
2. Gallardo, V.; Lindquist, A. In *Field Testing of a Semi-Automatic Ultrafiltration Device for the Concentration of Microorganisms in Large Volume Drinking Water* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 3:30 PM, 2008; Cincinnati, OH, 2008.
3. Janke, R.; Baranowski, T.; Murray, R. In *Application of TEVA-SPOT for Distribution System Water Quality Sensor Placement in the City of Avondale* AWWA WQTC, Cincinnati, OH, Monday, November 17, 2008, 10:00 AM, 2008; Cincinnati, OH, 2008.
4. Janke, R.; Baranowski, T.; Murray, R. In *Sensor Network Design for Drinking Water Distribution Systems to Help Maintain Water Quality* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 4:30 PM, 2008; Cincinnati, OH, 2008.
5. Magnuson, M.; Minamyers, S.; Rees, M.; Hedrick, E. In *Detecting Water Quality Changes in the Field: Lessons from Water Security Initiative* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 2:00 PM, 2008; Cincinnati, OH, 2008.
6. Schaefer, F.; Lindquist, A. In *Detecting Biological Agents in Drinking Water Using Culture- or Microscopic-Based and Molecular Methods* AWWA WQTC, Cincinnati, OH, Monday, November 17, 2008, 1:30 PM, 2008; Cincinnati, OH, 2008.

Office of Water

1. Allgeier, S. In *Water Security Initiative Overview and Update*, AWWA WQTC, Cincinnati, OH, Sunday, November 16, 2008, 8:45 AM - 9:00 AM, 2008; Cincinnati, OH, 2008.
2. Allgeier, S.; Umberg, K. In *Operational Experience with Water Quality Anomaly Detection During the Cincinnati Water Security Initiative Pilot* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 2:30 PM, 2008; Cincinnati, OH, 2008.
3. Brinkman, N.; Cashdollar, J.; Haugland, R.; Hayes, S.; Olszewski, J.; Pfaller, S.; Parshionkar, S.; Sen, K. In *Laboratory/Lecture: Review run results (all instructors for this session)*, AWWA WQTC, Cincinnati, OH, Sunday, November 16, 2008, 3:30 PM - 4:30 PM, 2008; Cincinnati, OH, 2008.
4. Denis, F. S. In *Changes in Water Quality in Premise Plumbing: Cold Water vs Hot Water* AWWA WQTC, Cincinnati, OH, Wednesday, November 19, 2008, 8:30 AM, 2008; Cincinnati, OH, 2008.
5. Hedrick, E.; Pulz, J. In *Baseline Monitoring for Priority Contaminants at EPA's First Water Security Initiative Pilot* AWWA WQTC, Cincinnati, OH, Monday, November 17, 2008, 4:30 PM, 2008; Cincinnati, OH, 2008.
6. Hedrick, E.; Umberg, K. In *Panel Discussion*, AWWA WQTC, Cincinnati, OH, Sunday, November 16, 2008, 4:00 PM - 4:30 PM, 2008; Cincinnati, OH, 2008.
7. Magnuson, M.; Minamyers, S.; Rees, M.; Hedrick, E. In *Detecting Water Quality Changes in the Field: Lessons from Water Security Initiative* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 2:00 PM, 2008; Cincinnati, OH, 2008.

8. Mapp, L.; Mudambi, A. In *Water Laboratory Alliance: WCIT and NEMI-CBR, Secure Databases for Laboratory Analysis During Incident Response* AWWA WQTC, Cincinnati, OH, Monday, November 17, 2008, 4:00 PM, 2008; Cincinnati, OH, 2008.
9. Messner, M. In *Total Coliform and E.coli Occurrence: Site Specific, But What Does a National Database Show?* , AWWA WQTC, Cincinnati, OH, Wednesday, November 19, 2008, 2:00 PM, 2008; Cincinnati, OH, 2008.
10. Munch, D.; Pepich, B. In *Validation of Proposed EPA Method 524.3 for the Determination of Volatile Organic Compounds in Drinking Water* AWWA WQTC, Cincinnati, OH, Monday, November 17, 2008, 2:30 PM, 2008; Cincinnati, OH, 2008.
11. Munch, D.; Pepich, B. In *An Alternative Statistical Procedure for Determination of Lowest Quantitation Levels for US EPA Drinking Water Methods* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 10:00 AM, 2008; Cincinnati, OH, 2008.
12. Parshionikar, S. In *Lecture: QA/QC* AWWA WQTC, Cincinnati, OH, Sunday, November 16, 2008, 10:10 AM -10:40 AM, 2008; Cincinnati, OH, 2008.
13. Parshionikar, S. In *USEPA Guidance Document for Microbiological Methods Validation* AWWA WQTC, Cincinnati, OH, Wednesday, November 19, 2008, 8:30 AM, 2008; Cincinnati, OH, 2008.
14. Parshionikar, S.; Fout, S. In *A Molecular Method to Distinguish Between Infectious and Non-infectious Viruses* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 9:30 AM, 2008; Cincinnati, OH, 2008.
15. Pepich, B.; Munch, D. In *Determination of Haloacetic Acids, Brom & Dalapon Using a Direct-Inject Ion Chromatography/Tandem Mass Spectrometry-Based Method* AWWA WQTC, Cincinnati, OH, Monday, November 17, 2008, 10:00 AM 2008; Cincinnati, OH, 2008.
16. Pulz, J. In *Overview of Water Security Initiative Tools and Resources*, AWWA WQTC, Cincinnati, OH, Sunday, November 16, 2008, 9:00 AM - 9:20 AM, 2008; Cincinnati, OH, 2008.
17. Pulz, J. In *Public Health Surveillance Demonstration*, AWWA WQTC, Cincinnati, OH, Sunday, November 16, 2008, 2008; Cincinnati, OH, 2008.
18. Pulz, J. In *Analysis of 911 Calls and Emergency Medical Service Logs as Part of a Contamination Warning System for Drinking Water* AWWA WQTC, Cincinnati, OH, Monday, November 17, 2008, 2:00 PM, 2008; Cincinnati, OH, 2008.
19. Regli, S. In *Moving to Investigation and Action: Anticipated Impact of Revising TCR* AWWA WQTC, Cincinnati, OH, Wednesday, November 19, 2008, 2:30 PM, 2008; Cincinnati, OH, 2008.
20. Rotert, K. In *TCRDSAC TCR Framework and Next Steps for EPA* AWWA WQTC, Cincinnati, OH, Wednesday, November 19, 2008, 1:30 PM, 2008; Cincinnati, OH, 2008.
21. Sekhar, M. In *Distribution System Optimization – History and Recent Field Studies.*, AWWA WQTC, Cincinnati, OH, Sunday, November 16, 2008, 11:15 AM - 11:45 AM, 2008; Cincinnati, OH, 2008.
22. Sen, K. In *Lecture: An introduction to qPCR*, AWWA WQTC, Cincinnati, OH, Sunday, November 16, 2008, 9:10 AM - 9:40AM, 2008; Cincinnati, OH, 2008.
23. Sen, K.; Acosta, J. In *Development of "Bioball™" as Internal Control for Detection of Helicobacter Pylori by Quantitative PCR* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 11:00 AM, 2008; Cincinnati, OH, 2008.

24. Shaw, N.; Miller, C. In *LT2 Laboratory Demonstration of Improved Method 1623 Recovery & Better Microscopic Detection of Cryptosporidium Oocysts* AWWA WQTC, Cincinnati, OH, Tuesday, November 18, 2008, 10:00 AM, 2008; Cincinnati, OH, 2008.
25. Sinclair, J. In *Laboratory time: Sample Preparation and HPLC*, AWWA WQTC, Cincinnati, OH, Sunday, November 16, 2008, 10:15 AM -12:00 PM, 2008; Cincinnati, OH, 2008.