

Michelle L. Briscoe

President/CEO

Primary Responsibilities

Ms. Briscoe serves as the President and CEO of Brooks Applied Labs, a specialty analytical laboratory focusing on the analysis and speciation of trace metals in environmental (water, biota, soil, sediment, air, etc.), food & beverage, biomonitoring, and industrial samples. In this capacity, she is responsible for all aspects of company operations, including research & development, analytical services, business development, and administration. Brooks Applied Labs was formed through the 2015 merger of Brooks Rand Labs and Applied Speciation & Consulting.

Employment

President/CEO, *Brooks Applied Labs (formerly Brooks Rand Labs)*, 2013-Present
Vice President of Analytical Services/Technical Director, *Brooks Rand Labs*, 2004-2013
Vice President of Operations, *Frontier Geosciences*, 2001 – 2004
Laboratory Manager, *Frontier Geosciences*, 1998 - 2001
Trace Metals Group Leader, *Frontier Geosciences*, 1996 –1998
Trace Metals Analyst, *Frontier Geosciences*, 1995 –1996
Inorganics Department Supervisor, *Laucks Testing Labs*, 1994 –1995
Inorganics Analyst, *Laucks Testing Labs*, 1992 – 1994

Papers, Presentations, and Publications

Briscoe, M., 2020. “A Collaborative Approach to Updating EPA Method 3050” Platform presentation at the National Environmental Monitoring Conference (NEMC), August 12, 2020.
Briscoe, M., 2019. “Creating a Leadership Pipeline: Developing the Millennial Generation for Leadership and Growth” Invited panelist for the Environmental Industry Summit, March 21, 2019, San Diego, CA.
Briscoe, M., 2019. “How Corporate Culture Drives Growth” Invited panelist for the 2019 Culture Panel at the ACIL Annual Meeting, October 9, 2019, Nashville, TN.
Briscoe, M., 2018. “Determination of Heavy Metals in Food: AOAC First Action Method 2015.01 – An Update for Final Action Status Review” Platform presentation to the Heavy Metals Expert Review Panel at the AOAC Annual Meeting, August 26, 2018, Toronto, ON.
Fox, J., Briscoe, M., Carter, A., and Gürleyük, H. “Mercury Speciation in Tank Waste at the Savannah River Site” Invited platform presentation at the Department of Energy Analytical Services Provider Conference, September 22, 2016, Covington, KY.
Ugrai, T. and Briscoe, M., 2015. “Determination of Heavy Metals in Food: AOAC First Action Method 2015.01” Poster presentation at the 129th AOAC Annual Meeting, September 29, 2015, Los Angeles, CA.

Briscoe, M., 2015. *"Mercury Analysis: Past, Present, and Future..."* Invited platform presentation at the Department of Energy Analytical Service Providers Workshop, September 16, 2015, Charleston, SC.

Briscoe, M., Ugrai, T., Escarez, C., and Creswell, J., 2015. *"AOAC Official Method 2015.01 – Heavy Metals in Food"* AOAC International First Action Method 2015.01.

Briscoe, M., 2014. *"Metals Speciation as a Tool for Addressing Environmental Issues"* Invited platform presentation at the DOECAP ASP Workshop, September 17, 2014, Albuquerque, NM.

Briscoe, M. 2013. *"Selective Sequential Extraction for Mercury Speciation in Soil Samples"* Invited platform presentation at the DOECAP ASP Workshop, September 25, 2013, Asheville, NC.

Briscoe, M., 2013. *"2013 Brooks Rand Labs Interlaboratory Comparison Study for Arsenic Speciation in Food and Juice"* Invited platform presentation at the 127th AOAC Annual Meeting, August 27, 2013, Chicago, IL.

Briscoe, M., Ugrai, T., Escarez, C., Joslin, I., Setzer, B., Rankin, T., Thorsness, B., and Carter, A., 2012. *"Analysis of Arsenic Species and Low-Level Heavy Metals in Rice"* Poster presentation at the 126th AOAC Annual Meeting, October 1, 2012, Las Vegas, NV.

Briscoe, M., Ugrai, T., Escarez, C., Setzer, B., Madonick, E., and Carter, A., 2012. *"Quantifying Micronutrients to Determine Accuracy of Metals Concentrations in Supplements and Nutraceuticals"* Poster presentation at the 126th AOAC Annual Meeting, October 1, 2012, Las Vegas, NV.

Briscoe, M., and Ugrai, T., 2012. *"Analysis of Saline/Brine Water Samples for Low-Level Trace Metals: Overcoming Matrix Effects"* Invited presentation at the Department of Energy Analytical Service Providers Workshop, September 17, 2012, Idaho Falls, ID.

Briscoe, M., and Ugrai, T., 2012. *"Analysis of Low-Level Metals in Seawater by ICP-MS: Overcoming Matrix Effects"* Invited presentation at the Perkin Elmer Inspiring Innovation Nation Tour, May 3, 2012, Lynnwood, WA.

Briscoe, M., 2012. *"Arsenic Speciation in Water, Soil/Sediment, & Tissue Samples"* Invited presentation at the DoD Environmental Monitoring and Data Quality Workshop, March 29, 2012, La Jolla, CA.

Briscoe, M., 2011. *"Analytical Methods and Associated Challenges for Trace Metals Speciation"* Invited presentation at the Symposium on Modern Analytical Techniques Used in Evaluating the Concentration of Trace Metals in Foods and Dietary Supplements, Annual Meeting of AOAC International, September 20, 2011, New Orleans, LA.

Briscoe, M., 2011. *"A Brief History of Metals Speciation Method Development and Analysis in the Pacific Northwest"* Invited presentation at the National Environmental Monitoring Conference, August 17, 2011, Bellevue, WA.

Briscoe, M., 2010. *"Complying with Wet FGD Wastewater Discharge Regulations for Metals"* Invited presentation at Babcock & Wilcox Environmental Technologies Users Conference, July 21, 2010, Baltimore, MD.

Briscoe, M., 2010. *"Analyzing Flue Gas Desulfurization Wastewaters for Low-Level Trace Metals using ICP-DRC-MS: Overcoming Matrix Interferences"* Invited presentation at Pittcon Conference (Perkin Elmer Lecture Series), March 3, 2010, Orlando, FL.

Briscoe, M., 2010. *"Complying with FGD Wastewater Discharge Regulations for Metals"* Presented at the Electric Utility Environmental Conference (EUEC), February 3, 2010, Phoenix, AZ.

Briscoe, M., 2009. "*Trace Metals Determination in Flue Gas Desulfurization Water: Optimization of Dynamic Reaction Cell ICP-MS.*" EPRI, Palo Alto, CA: 2009. 1017978.

Briscoe, M., 2009. "Trace Metals Analysis and Speciation QA/QC," invited presentation at the SFEI QA/QC Seminar, October 7, 2009, Oakland, CA.

Briscoe, M., 2009. "*Analyzing Flue Gas Desulfurization Wastewaters for Low-Level Trace Metals using ICP-DRC-MS: Overcoming Matrix Interferences*" invited presentation at the Perkin Elmer Northwest User's Group Meetings, September 29-30, 2009, Portland, OR, and Seattle, WA.

Fawley, A., and Briscoe, M., 2009. "Collecting & Handling Water Samples for Trace Metals Analyses," full-day workshop presented by Brooks Rand Labs, September 25, 2009, Seattle, WA.

Fawley, A., Briscoe, M., and Durdle, A., 2008. "Collecting & Handling Water Samples for Trace Metals Analyses," full-day workshop for the Northwest Environmental Training Center, Course ID: CHEM-305, August 1, 2008, Seattle, WA.

Fawley, A., and Briscoe, M., 2008. "Collecting & Handling Water Samples for Trace Metals Analyses," full-day workshop for the Northwest Environmental Training Center, Course ID: CHEM-305, June 27, 2008, Seattle, WA.

Briscoe, M., 2007. "Advances in Analytical Methods for Trace Metals Analyses," invited presentation at the SFEI Regional Monitoring Program Laboratory Meeting, October 3, 2007, Oakland, CA.

Bloom, N., Bollen, A., Briscoe, M., Hall, G., Horvat, M., Kim, C., Lasorsa, B., Marvin-Dipasquale, M., and Parker, J. 2006. "International Solid Phase Mercury Speciation Exercise (ISPMSE): Introduction and Preliminary Results," invited paper for the 8th International Conference on Mercury as a Global Pollutant, August 10, 2006, Madison, WI.

Briscoe, M., 2006. "Ultra-Trace Level Sampling for Methyl Mercury," invited presentation at Bay Area Methyl Mercury Workshop, May 31, 2006, San Jose, CA.

****Please note: In August 2005, last name changed to Briscoe from Gauthier****

Gauthier, M.L., 2005. "Analysis of High-Saline Aqueous Samples by ICP-MS using Co-precipitation Techniques," invited presentation for the Pacific Northwest Section Meeting of AOAC International, Tacoma, WA, June 23, 2005.

Gauthier, M., 2004. "The Beautiful Complexity of Methyl Mercury Analysis," invited presentation at CalTest, September 9, 2004, Napa, CA.

Vandervort, A.F., and Gauthier, M.L., 2000. "A Comparison of Different Sediment Digestion Techniques," invited presentation for NOAA Quality Assurance Workshop, Washington, D.C., April 10, 2000.

Litten, S., Fowler, B., Gauthier, M., and Bloom N. 1999. "Containment Assessment and Reduction Project: Toxic Chemicals in New York Harbor and Vicinity – Sources and Ambient Concentrations of Pesticides, PAHs, Mercury and Cadmium," poster presentation at CETAC Conference, November 15-19, 1999, Pittsburgh, PA.

Gauthier, M.L., and Bloom, N.S. 1999. "ICP-MS as an Effective Screening Technique for Total Mercury Determination by CV-AFS (EPA Method 1631)," invited presentation for NOAA Quality Assurance Workshop, Richmond, CA, February 2, 1999.

Bloom, N.S., and Gauthier, M.L. 1998. "Lower MDLs and Better Accuracy for 'Total Recoverable Metals' in Water through the Use of Dilute HF/HNO₃ Digestion at 85°C in Sealed

Teflon Bottles,” invited presentation for EPA Conference on the Analysis of Water, Washington D.C., May 5-6, 1998.

Bloom, N.S, Gauthier, M.L., and Wallschläger, D. 1997. “Ultra-Trace Speciation of Selenium by Automated Hydride Generation-Flame Atomic Fluorescence Spectrometry (HG-AFS),” poster presentation for Geoanalysis '97, June 2-5, 1997, Vail, CO.

Gauthier, M.L., Brunette, R.C., and Bloom N.S. 1997. “A Preliminary Comparison of Mercury, Arsenic, and Selenium in Two Adjacent Geothermally-Impacted Seepage Lakes,” poster presentation at the Fourth International Conference on the Biogeochemistry of Trace Elements, June 23, 1997, Berkeley, CA.

Education

B.S. in the Natural Sciences awarded June 1992
Western Oregon University, Monmouth, OR
Major: Chemistry and Physics
Minor: Biology

Numerous professional development and technical courses (details provided upon request)

Memberships

Healthcare Businesswomen’s Association (2020-present)
Vistage (2016 – present)
AOAC International (2010 – 2016)
American Council of Independent Laboratories, ACIL (2010 – present)
Society for Environmental Toxicology and Chemistry, SETAC (2002 – 2012)
American Chemical Society, ACS (1995 – 2005)
Analytical Laboratory Managers Association, ALMA (1999 – 2004)
Society for Applied Spectroscopy, SAS (2000 – 2004)
Northwest Forum of Woman Entrepreneurs (2002 – 2004)

Board of Directors

American Council of Independent Laboratories, ACIL (2018 – present)
Brooks Applied Labs, LLC (2015 – present)
Brooks Rand Labs, LLC (2004 – 2015)
Frontier Geosciences, Inc. (1997 - 2004)