



Eric D. Winegar, PhD

Director of Industrial Services

Dr. Winegar joined Sonoma Technology in 2021. He has 35 years of experience providing data-oriented solutions to air quality problems and challenges. As Director of Industrial Services, Dr. Winegar leads Sonoma Technology's industrial air quality monitoring efforts across the United States and internationally, and works with our team of measurements professionals, modeling scientists, and other technical experts to identify and develop new measurement products and services. He has extensive experience with industrial monitoring instruments, measurement technology evaluation, source and ambient air sampling and analysis, on-site analysis, data review and interpretation, and quality assurance best practices.

Dr. Winegar is currently involved in a mobile monitoring project to map community-scale air pollution and identify priority air pollution hotspots of criteria air pollutants, greenhouse gases, and toxic air contaminants in Sacramento, CA. Prior to joining Sonoma Technology, Dr. Winegar managed a mobile air toxics laboratory at a large industrial remediation site for over a year, developed and operated a mobile lab measuring hydrogen sulfide with high sensitivity throughout California for over a year, and has conducted multiple short-term mobile investigations.

In addition to his role at Sonoma Technology, Dr. Winegar is an Associate Researcher for the University of California Air Quality Research Center, and from 2012 to 2015, he served as Co-Director of the University of California Davis' Detection and Evaluation of the Long-Range Transport of Aerosols (DELTA) group. Most recently, Dr. Winegar was a Senior Managing Scientist at Exponent, Inc., where he conducted multiple ambient air measurement and emission testing projects, particularly in the metals industry. Prior to Exponent, he was the Principal at Applied Measurement Science/Winegar Air Sciences for 19 years as an independent air measurement consultant, where he conducted fence-line and other measurement and monitoring programs at mine sites, schools, fumigation operations, confined animal operations, a wastewater plant, and many other facilities. He also worked as Director of Research and Technical Services at Air Toxics Limited (currently Eurofins Air Toxics), where he formed an internal consulting group and developed multiple field analytical capabilities.

For the last 20 years, Dr. Winegar has chaired or co-chaired the Air & Waste Management Association's (A&WMA) specialty conference "Air Quality Measurement Methods and Technology." From 1991 to 1996, he chaired the A&WMA Mother Lode Chapter's conference "Current Issues in Air Toxics." He has also been an organizer, a session-chair, or a speaker at dozens of technical conferences.

Dr. Winegar was an editor on *Sampling and Analysis of Airborne Pollutants*, which was published in 1993 by Lewis Publishers. He also co-authored a chapter in *Principles of Environmental Analysis, Second Edition*, titled *Current Sampling and Analytical Methods for Point and Area Source Emission Measurements*. He has over 60 professional presentations and publications.

Education

- PhD, Physical and Environmental Chemistry, University of California at Davis
- MS, Physical Chemistry, Brigham Young University
- BA, Chemistry, Brigham Young University

Memberships and Professional Positions

- Board of Directors, Air and Waste Management Association Mother Lode Chapter
- Technical Council, Air and Waste Management Association
- Advisor, U.S. EPA Science Advisory Panel
- Associate Researcher, University of California Air Quality Research Center
- American Chemical Society
- Qualified Environmental Professional

For a list of publications, see sonomatech.com/ResPub/EDWpub.pdf.