



Tyler R. Laverty

Environmental Field Technician



Mr. Laverty joined Sonoma Technology in 2023 as an Environmental Field Technician. His primary duties are operating and maintaining open-path analyzers, including Ultraviolet Differential Optical Absorption Spectroscopy (UV-DOAS), Fourier Transform Infrared Spectroscopy (FTIR), and Tunable Diode Laser Absorption Spectroscopy (TDLAS) sensors, as well as meteorological sensors used to measure wind speed and direction, temperature, and relative humidity. He

supports Sonoma Technology's refinery fence-line monitoring program at various facilities across the San Francisco Bay Area in Northern California.

Prior to joining Sonoma Technology, Mr. Laverty studied at the University of Colorado, Boulder, where he received a Bachelor of Arts double major in Chemistry and Biochemistry. He then worked as an analytical chemist in the wine industry, focusing on headspace analysis of cork taint and performing instrument troubleshooting, before attending the University of California Davis Extension Master Brewers Program, where he won the Crisp Malting Award and passed the Institute of Brewing and Distilling's Diploma in Brewing exam. Mr. Laverty went on to brew professionally for 14 years and won 7 Great American Beer Festival and 6 World Beer Cup medals. He has worked extensively with steam boilers, glycol refrigeration systems, process controllers, and gas manifolds, and is excited to bring this expertise to new and exciting applications in air quality.

Education

BA, Chemistry, and BA, Biochemistry,
University of Colorado, Boulder

Certifications

Refinery Safety Certified, Occupational
Safety Councils of America