



Alexander G. Boenig

Instrument Technician/Specialist

Mr. Boenig joined Sonoma Technology as an Instrument Technician in 2023. His primary duties include performing maintenance on open-path monitoring and meteorological instruments at petroleum refineries in northern California. These instruments include Ultraviolet Differential Optical Absorption Spectroscopy (UV-DOAS), Fourier Transform Infrared Spectroscopy (FTIR), Tunable Diode Laser Absorption Spectroscopy (TDLAS), anemometers, temperature sensors, and rain gauges. Mr. Boenig is also involved with managing warehouse operations to support Sonoma Technology's team of field

technicians, ensuring instruments are in working order prior to deployment, and performing routine maintenance and testing procedures on instruments when they return from various monitoring sites. Since joining the team, Mr. Boenig has optimized inventory procedures for gas cylinders and instrument consumables at Sonoma Technology's northern California location.

Prior to Sonoma Technology, Mr. Boenig spent his undergraduate years at the University of San Francisco where he received his Bachelor of Science in Environmental Science and a Minor in Chemistry. His capstone project focused on monitoring the ecological restoration of Muir Beach following the completion of a project that restored Coho salmon's ability to swim upstream and reproduce. After graduating, he pursued a number of opportunities, including auditing Alcatraz Island's solar panel project, testing methane analyzers in customized Picarro vehicles in the South Bay, and co-founding a robotics hydroponics farm designed to reduce food costs, eliminate pesticide use, and generate data for increasing crop yields over time.

Education

BS, Environmental Science, University of San Francisco with a minor in Chemistry

Certifications

Refinery Safety Certified, Occupational Safety Councils of America