

Position	Water Quality Specialist I
Facility	Monterey Bay Aquarium
Location	Monterey, CA
Job Summary	The water quality specialist performs physical and chemical analyses of seawater and freshwater samples for water quality monitoring, life support system evaluation, and experimentation at the Monterey Bay Aquarium. The specialist performs sample collection, chemistry testing, quality control, data entry, and troubleshooting, as well as interpretation of acquired data. This position supports daily Aquarium system monitoring, projects related to exhibit design, veterinary requests, and environmental and regulatory testing.
Essential Functions	Performs bench-top laboratory analyses of Aquarium system water, including physical chemistry parameters (such as pH and dissolved oxygen) and nutrients (such as nitrogen and phosphate). Techniques utilized include spectrophotometry, titrations, and use of handheld meters. Performs water sample collection and tank-side water quality assessments throughout the main Aquarium and support buildings Performs data entry, maintenance of water quality databases, and data analysis Mixes reagents and standards and is accountable for proper quality controls Interfaces with other departments, including Facilities, Veterinary Services and Husbandry Operations, to maintain proper water quality parameters in all aquarium systems and to collaborate on projects to further animal care knowledge and/or exhibit design Assists in maintenance of analytical and laboratory equipment, including calibrations, preventative maintenance, and minor repairs Under supervision of the laboratory manager, maintains department chemical inventory, including chemical inventory database and Safety Data Sheet files, and assists with ordering of supplies and chemicals Provides support for other lab efforts as needed, including sample collection, storm water monitoring, instrument calibration, research projects, emergency testing, and microbiological analyses
Other Duties and Responsibilities	Assists with storm water and regulatory sample collection, projects, and testing Assists with routine calibration, maintenance, and minor repairs of water quality sensors located in Aquarium systems Performs chromatography (HPLC) analyses, as needed Assists with projects and auxiliary water system monitoring, as needed Assists with MBA public relations and educational activities, such as providing lab tours and/or information related to water quality and life support systems Assists with the monitoring of the Splash Zone Water Play system Assists with projects related to water system maintenance or exhibit design Assists with development of new techniques in support of departmental goals
Knowledge, Skills and Abilities	Understanding of the chemical and nutrient components and processes of seawater, including pH, alkalinity, and the nitrogen cycle Excellent attention to detail, organization, problem solving abilities, and planning skills Excellent communication and interpersonal skills. Ability to work independently and as part of a team Ability to work within and maintain Monterey Bay Aquarium's Core Values
Education & Experienced Required	Bachelor's degree or equivalent experience in biology, chemistry, environmental science, hydrology, engineering, or a related field. Minimum one-year practical experience in a laboratory, with a working knowledge of techniques and instrumentation used in analytical water chemistry.
Licenses and Certifications Required	AALSO Water Quality Technician I or higher is desirable
Physical Requirements	
Working Conditions	
Salary	

Respond To

Apply on Monterey Bay Aquarium's Website:

<https://montereybayaquarium.snaphire.com/jobdetails?ajid=fcjf8>

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