

MAJOR FUNCTION

This is technical work performing routine physical, chemical, or biological analysis on water, wastewater, and/or other environmental samples. Duties are performed in accordance with established EPA procedures with instructions given by the section chief. An employee is responsible for following standard procedures and for applying proper laboratory methods to perform analysis. Work is reviewed through observation, conferences, reports, and by results obtained.

ESSENTIAL AND OTHER IMPORTANT JOB DUTIES**Essential Duties**

Conducts a variety of water quality chemical, physical, and or bacteriological tests, such as: biochemical oxygen demand, dissolved oxygen, chlorine residual, suspended, volatile and fixed solids, pH, turgidity. Records the results of various chemical, bacteriological, and biochemical tests and keeps records as required. Responsible for the care and cleaning of equipment used in testing. May collect samples in the field. Makes up standard solutions and reagents. Performs related work as required.

Other Important Duties

Creates charts, and graphs for use in reports or presentations. Reads reference materials and other similar literature to keep abreast of developments in area of focus. Performs related work as required.

DESIRABLE QUALIFICATIONS**Knowledge, Abilities and Skills**

Knowledge of standard laboratory procedures, hazards, and safety precautions in using chemicals and laboratory equipment. Knowledge of laboratory terminology and principles of bacteriology, chemistry, and microbiology. Knowledge of mathematics sufficient for laboratory calculations. Ability to understand oral and written technical instructions and perform accurate analysis.

Minimum Training and Experience

Possession of a high school diploma or an equivalent recognized certificate and two years of technical water quality laboratory experience in a public health, environmental, testing, or research laboratory. Successful completion of 26 semester hours in a physical or natural science may be substituted for the two years of required experience; or an equivalent combination of training and experience.

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