

**CLASS SPECIFICATION**  
**SAN DIEGO CITY CIVIL SERVICE COMMISSION**  
**ASSISTANT LABORATORY TECHNICIAN – 1160**

**DEFINITION:**

Under general supervision, to perform simple and routine chemical and bacteriological testing and sampling; and to perform related work.

**\* EXAMPLE OF DUTIES:**

- Collects various samples at treatment plants, water distribution systems, ocean waters, and/or from industrial wastewater discharges;
- Reads culture tubes and agar plates to determine the extent of bacterial growth;
- Reads results of basic chemical or bacteriological tests such as biological oxygen demands, chlorine field tests, pH values, and extent of dissolved oxygen;
- Independently collects various samples at designated sampling points located at beaches, bays, reservoirs, treatment plants, and drinking fountains while maintaining “chain of custody” requirements;
- Separates marine animals from sediments using a dissecting microscope;
- Collects and records routine data;
- Assists with basic chemical or bacteriological analyses of water, wastewater, and industrial wastes;
- Investigates sewage odor complaints;
- Maintains accurate inventories of sampling supplies, reagents, etc;
- Acid washes glassware for chemistry laboratory and fires glassware for organic analysis;
- Transports equipment, samples, and supplies;
- Logs and distributes incoming samples;
- Disposes of hazardous materials in a safe and legal manner;
- Performs related work as assigned.

**MINIMUM QUALIFICATIONS:**

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Description for updated minimum qualifications: <https://www.governmentjobs.com/careers/sandiego/classspecs>.

Two years of full-time general laboratory experience. Laboratory experience must include measuring and mixing chemicals or microbiological reagents and media; maintaining laboratory supplies; and operating laboratory equipment such as pipette machines, pH meters, balances, or sterilization equipment; **OR** satisfactory completion of at least one college-level course in both Biology and Chemistry, which must include one laboratory

- \* EXAMPLES OF DUTIES performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.**

course work; **OR** one year of full-time general laboratory experience, **AND** satisfactory completion of at least one college-level course in Biology or Chemistry which must include one laboratory course work; **OR** one year of full-time experience collecting samples from water, urban runoff/storm water, or wastewater facilities or the sites to fulfill regulatory requirements, **AND** satisfactory completion of at least one college-level course work in Biology or Chemistry which must include one laboratory course work. Experience must include field testing such as pH, conductivity, and temperature. Possession of a valid California Class C Driver's License.