

CLASS SPECIFICATION
SAN DIEGO CITY CIVIL SERVICE COMMISSION
LABORATORY TECHNICIAN

DEFINITION:

Under general supervision, to perform sub-professional chemical, bacteriological, or forensic evidence testing of average difficulty.

*** EXAMPLES OF DUTIES:**

- Assists in the chemical analysis of water, sewage and industrial waste streams;
- Reads culture tubes and agar plates to determine extent of bacterial growth;
- Performs non-standard media and culture preparation;
- Collects and classifies invertebrates, mosquito larvae and other biological specimens;
- Independently collects water, sewage and industrial waste samples from appropriate sampling points while maintaining "chain of custody" requirements;
- Performs analyses of sewage, including total solids, suspended solids, pH values, sulfides, alkalinity, and biochemical oxygen demand, carbon oxygen demand, gravimetric analysis of grease and oil, and nitrogen analysis;
- Performs field investigations and chemical analyses of water supplies and industrial wastes;
- Assists in investigation of water treatment methods;
- Prepares solutions, stains, sterilizers;
- Sets up, calibrates and troubleshoots the more complex testing equipment;
- Files and disposes of blood and urine specimens;
- Prepares chemical reagents and narcotics testing;
- Picks up and delivers specimens;
- Prepares required reports for monitoring agencies;
- Maintains inventory and orders supplies and media for the labs;
- Performs related duties.

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 Announcement for updated minimum qualifications.

Satisfactory completion of 14 semester/21 quarter college units in one of the following: Chemistry (which must include coursework in Organic or Inorganic Chemistry, and at least one Chemistry laboratory course), Biology and/or Microbiology (including at least one laboratory course), Entomology and/or Invertebrate Zoology; **OR** two years of experience in a laboratory performing a variety of chemical and biological tests such as pH, metal analysis, suspended solids, alkalinity, volatile solids using spectrophotometric, titrimetric, or similar measurements, aquatic bioassays, microbiological analyses, or identification of aquatic invertebrates. Possession of a valid California Class C Driver's License.

- * **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.