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## Laboratory Technician Level 1 Job Description

The Water Tower, a nonprofit water innovation and research center in Buford, Georgia, is currently seeking a **Laboratory Technician Level 1** who can work in laboratory and field settings on a wide variety of water-related research projects.

### Mission

The mission of The Water Tower (TWT) is to be a hub for solutions in research, technology, training, and engagement for water utilities ensuring access to safe, affordable, and resilient water services. The Laboratory Technician 1 will directly contribute to the success of TWT through helping to conduct research studies involving drinking water, wastewater, water reuse, and source water quality issues.

### Duties and Responsibilities

The Laboratory Technician will be responsible for:

- Completing safety training and adhering to all safety-related protocols as described in the TWT Safety and Chemical Hygiene Plans
- Laboratory analyses including:
  - Ion chromatography for anions and inorganic disinfection by-products
  - Liquid chromatography/Mass Spectrometry for per- and poly-fluorinated alkyl substances (PFAS) and other contaminants of emerging concern.
  - Combustion ion chromatography for organic fluorine
  - Inductively Coupled Argon Plasma/Mass Spectrometry (ICP/MS) for metals and other elemental contaminants
  - Gas Chromatography/Mass Spectrometry for taste and odor compounds and other volatiles.
- General water quality analyses including pH, conductivity, hardness, alkalinity, turbidity, in the laboratory and field
- Conducting scheduled metrology measurements (e.g. checking balances and pipettors for accuracy on a regular basis)
- Performing regular laboratory safety checks (e.g. eyewash and shower stations)
- Conducting field sampling at water treatment plants, source water sites, and other water impoundments (e.g. stormwater control ponds)
- Performing other duties as assigned or directed to meet the goals and objectives of the organization
- Basic data analysis and management
- Applying Quality Assurance/Quality Control measures to sampling and analysis



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### Required Qualifications

- Proactive, motivated individual with excellent interpersonal skills
- Very detail-oriented and thorough
- Some experience in environmental/water laboratory settings
- Basic computer skills and familiarity with spreadsheet programs

### Minimum Requirements

Candidate must possess a relevant Bachelor of Science or Engineering Degree. BS degrees include Biology, Chemistry, Physical Sciences, Geology; Engineering Degree in Civil/Environmental, or other relevant degree, and 6 months-1 year laboratory experience. Master's Degree can count for years of experience.

### Additional Information

This is a full time, 40 hours/week salaried position. The compensation range for the position is \$50,000-60,000 per year based on education, background, and experience. The Water Tower provides benefits through TriNet with several options for medical, dental, and vision insurance, among other benefits.

Due to the nature of the position, the majority of the work (>90%) will be located at The Water Tower Laboratories and associated field sites. Occasional remote work will be possible.

### Apply

To apply for this position, send your resume to [cai@theh2otower.org](mailto:cai@theh2otower.org). Cover letters are optional but encouraged. This position announcement will close on April 11, 2024.

