Lauren Pierce

Laboratory Analyst

Laboratory analyst with 4 years of trace metals and water testing in ISO/IEC 17025 accredited labs. Runs ICP-MS analysis and microwave digestion for food, supplement and water samples, validates new matrices, and reports results through LIMS and Microsoft Office with full traceability. B.S. in Chemistry from the University of Utah.

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Experience

Laboratory Analyst

01/2024 - Present

Wasatch Analytical Labs

Salt Lake City, UT

Analyst in the metals group of an accredited contract testing lab.

- Run ICP-MS analysis for arsenic, cadmium, lead and mercury on 250+ samples a week.
- Handle microwave digestion for every batch, cutting digestion reruns from 6% to **2%** with a revised vessel cleaning step.
- Validate 2 new matrices for ISO/IEC 17025 scope extensions, writing reports the assessor accepted without findings.
- Review QC data in Excel and LIMS before release, reporting 95% of client orders within 5 business days.
- Identify matrix interferences on high-salt samples and apply dilution and internal standard fixes the method allows.

Lab Technician

06/2022 - 12/2023

Great Basin Water Testing

Ogden, UT

Technician at a state-certified drinking water lab.

- Tested 60 drinking water samples a day for pH, conductivity, nitrate and hardness.
- Prepared ICP calibration standards and checked each against a second-source standard.
- Maintained sample logs for 300 municipal and private well clients.
- Partnered with 2 senior analysts on monthly proficiency test samples, passing all 18.

Certificates

ISO/IEC 17025 Internal Auditor Training

06/2024

A2LA

Skills

- ICP-MS
- Microwave Digestion
- Sample Preparation
- ISO/IEC 17025
- Method Validation
- Water Testing
- LIMS
- Microsoft Office
- Excel
- Attention to Detail

Education

Bachelor of Science

05/2022

University of Utah

Salt Lake City, UT

Chemistry