Ottoline Vasquez-Brannagh

Analytical Chemist
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SUMMARY

Analytical chemist with 6 years in pharmaceutical QC and contract testing, running HPLC, GC and LC-MS methods under GMP. Validated 11 methods to ICH Q2 and keeps investigation rates low through careful system suitability and data review. Comfortable with Empower, LabWare LIMS and audit-ready documentation.

EXPERIENCE

Analytical Chemist II — Pinecrest Biologics Manufacturing

Durham, NC · Apr 2022 – Present

- Test about 60 release and stability samples a month by HPLC and Karl Fischer, with 98% reported inside the 10-day target.
- Developed and validated 6 HPLC impurity methods to ICH Q2, each transferred to the night shift with no repeat failures.
- Led 9 out-of-specification investigations in 2025, finding a root cause in 8 and closing all within 30 days.
- Cut HPLC run time for one assay from 42 to 18 minutes by moving to a shorter column, saving about 70 instrument hours a year.
- Reviewed 400+ data packages a year in Empower as second reviewer, with 0 data integrity findings in 2 FDA inspections.

Chemist — Tarheel Analytical Services

Morrisville, NC · Jul 2019 – Mar 2022

- Ran GC-MS and ICP-OES analyses on about 35 client samples a week for residual solvents and elemental impurities.
- Wrote 14 SOPs and test methods for new client projects under ISO 17025 accreditation.
- Kept 5 instruments in calibration with 100% on-time preventive maintenance for 2 years.

SKILLS

Techniques: HPLC, UPLC, GC-MS, LC-MS, ICP-OES, FTIR, UV-Vis, Karl Fischer, dissolution

Quality and compliance: GMP, ICH Q2 validation, OOS investigations, ALCOA+ data integrity, ISO 17025

Software: Empower 3, Chromeleon, LabWare LIMS, MasterControl, Excel, JMP

Bench practice: Method transfer, system suitability, stability studies, reference standard control

CERTIFICATIONS

ASQ Certified Quality Auditor (CQA) coursework, 2024

Lab Safety and Chemical Hygiene Training, OSHA Lab Standard

EDUCATION

Bachelor of Science, Chemistry, North Carolina State University, 2019

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