

Brett Sampson

1209 Milner lane, Longmont, CO 80503

Brettcolorado99@gmail.com

720-487-3635

Eighteen years of experience in QC analytical chemistry in a chemical manufacturing plant and four years of experience in an industrial hygiene laboratory and two years in Pharmaceutical Research. Technical skill set of instrumentation has been built from a base of expertise in quality assurance, quality compliance and control.

Experience

Great Western Inorganics Arvada CO.
Analytical QC Chemist

November 2022-Present

ICP-OES trace metals. Potentiometric Titrations. Wet Chem Titrations. LOD, LOI gravimetric methods. Waste monitoring.

Corden Pharma Boulder CO.
Analytical Chemist. Temporary assignment.

January 2021- June 2022

ICP-MS Verifications, Validations, and Transfer Protocols. Microwave digestion of API substances. HPLC, GC, UV-Vis, KF Titrations. CGMP analysis for a wide range of pharmaceuticals. Worked with potent compounds. Development and Release testing. Forced degradation studies.

Fort Analytical Fort Collins, CO.
Chemist. - Temporary assignment.

September-November 2020

Temporary assignment covering for their chemist while they were out with COVID19. ICP-OES, Flame AA, Microwave Digestions.

Tolmar Windsor, CO.
QC Investigator, - Temporary assignment.

June 2020 to September 2020

Conducting laboratory investigations for QC of cancer drug manufacturing in CGNP laboratory. Documenting all OOC & anomalies for FDA audits. Creating and documenting deviations. Determining failure modes. Impact assessments. Archiving data. Root cause analysis. CAPA design and implementation. Teaching ICP-MS.

Origins Lab Denver, CO.
Metals Chemist - Temporary assignment.

Jan 2020 to Apr 2020

Metals digestions and extractions of organic and inorganic samples. ICP MS Agilent 7700 & 7900. Colorado MED badge. Lab temporarily closed due to Covid19. Temporary assignment to help the lab correct ongoing metals contamination issues.

Matheson Longmont, CO.
QA/QC Chemist / Metals Chemist.

May 2006 to Dec 2019
Jan 1996 to June 2001

High Resolution ICP-MS for comprehensive metals analysis, GC-PHDDID, CG-FID, FTIR, GFAA, FAA, Tekmar Purge and Trap. Coordination and management of the laboratory sample load and the laboratory chemists. Construction and maintenance of gas sampling manifolds. Generate and maintain quality records. Data review and approval. COA generation and approval. Development of Excel SPC worksheets. Developing spreadsheets, tracking and review of branch SPC program. Quarterly tracking of SQC data using Northwest analytical. Performed routine maintenance on all instruments. Purchase of supplies and parts for the analytical lab. Support of R&D research projects. KOH and Fluorides analysis of wastewater, KF titrations and ion specific electrode. Sampling liquid phase, residue, and hydrolysis of industrial gasses for metals impurities. Wrote SOPs, trainer in all analytical methodology. Trouble shoot problems with gas sampling systems. Periodic maintenance of and troubleshooting all instruments. HASMAT emergency response team member, response commander. Performed regular safety inspections, member of safety steering committee. Responsible for analytical calibration for data integrity. Responsible for Longmont analytical administrative practices. Longmont Quality representative. Storm water permit monitoring and reporting. Standards and solutions preparation for metals analysis. HF acid washing of sample tubes. Moisture analysis, Hydrocarbon analysis, and Oxygen capacity analysis. Control of nonconforming product. Raw materials testing, review, and acceptance. Product cylinder final inspection. Analytical management of change representative. Responsible for bi-annual Gauge R&R, Linearity, Accuracy, and reproducibility studies for instrument verification and new instrument qualification. QA-QC data integrity, Analytical corrective action and preventative action implementation. New methods development. Writing and updating analytical standard operating procedures.

ISO 9001 and 14001 QMS; ISO 9001 Branch Quality Rep. Assistant Branch Management Review Rep. ISO 9001 and customer audit representative. DHS Hazardous Materials Clearance. Six Sigma Yellow Belt. Semiconductor Standard - cGMP.

Johns Manville Littleton, CO. OCT 2002 to May 2006
Industrial Hygiene/materials senior research tech.

ICP-OES, GC-FID, GC-ECD, GC-MS, Scanning Electron Microscope, HPLC, Certification Instron, cGMP.

Materials physical analysis including fire testing, acoustical testing and structural testing. Compression and tensile strength testing. Organic Extractions. Microwave digestion and ICP-OES analysis for metals hygiene samples. Organic analysis of industrial hygiene samples by GC, GC-MS and HPLC. Client and accreditation audit representative.

Littleton-Englewood Wastewater Plant. Littleton, CO. Jan 2002 to Sept 2002
Chemical Technician.

ICP-MS, GC. Performed quantitative wet chemistry and materials testing according to EPA protocols. BOD, UV-VIS, Titrations.

Additional Skills:

Self-motivated worker, highly analytical and adaptable. Good attention to detail, creative and an excellent communicator.

Good at process improvement through application of knowledge and use of analytical techniques. Proficient in various analytical instrument programs and in Microsoft Office, have created hundreds of Excel workbooks.

Strong computer skills, including networking (CCNA) and Microsoft certified systems engineering experience.

Financed 100% of college education through part-time and full-time work, lab jobs, waiting tables and tending bar.

Works extremely well under pressure.

Education:

Arizona State University.

Tempe AZ, 1991

Bachelor of Science,

Relevant coursework includes Analytical Chemistry, Instrument Analysis, Physical Chemistry and Inorganic Chemistry.

University of Colorado.

Boulder Colorado. 1995-96