

April Hall

Chemist

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Berthoud, CO, 80513

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SKILLS

- 10+ years of lab experience and a wide variety of leadership, chemical, quality, and instrument expertise
- Extensive distillation and purification experience
- Proficient in process safety instrumentation including high pressure hydrogenation reactors, RC1, DSC, TGA, and Optimax reactors
- Proficient with analytical lab instrumentation and maintenance including ICP-MS, ICP-OES, GC-FID, GC-MS, HPLC, UV-VIS, IC, FTIR, auto titrator, KF, colorimeter, particle size analyzer, gloveboxes, and NMR
- Proficient with Microsoft Word, Excel, PowerPoint, Chemdraw, LIMS, Chempax, and ERP systems
- American Chemical Society, member
- Certified in First Aid, CPR, and AED by the American Heart Association
- Certified as an ISO 9001 Lead Auditor by Axeon
- Transition to Leadership training through Employers Council
- Agilent ICP-MS Techniques and Operations external training course through Agilent
- Member of the Safety Committee, Events Committee, and Internal Audit Committee at Boulder Scientific Company

EXPERIENCE

Boulder Scientific Company, Longmont, CO – *Research and Development Chemist I, II*
June 2019 - February 2024

- Conducted experiments and syntheses of complex organometallic compounds for the polyolefins industry and electronic precursors
- Experience in air free chemistry with handling air sensitive and pyrophoric compounds
- Developed accurate and detailed observations leading to informative data and innovative ideas
- Performed multi-step synthesis from 100 mL to 12 L scale
- Assisted team with design of experiments and scale-up operations
- Performed process optimization and process improvement tasks for new and existing products
- Provided technical support to plant operations
- Acquired and interpreted analytical and process safety data from NMR, GC, RC1, DSC, TGA, and Optimax reactor
- Summarized results, wrote technical reports and procedures, and presented information to the technical and commercial teams
- Served as analytical subject expert for department for improved analytical checks and method development

Boulder Scientific Company, Mead, CO - *Quality Assurance Associate V*
May 2018 - June 2019

- Reviewed analytical data
- Approved intermediates and finished goods for internal use or for sale
- Coordinated failure investigations and material dispositions
- Prepared Certificates of Analysis for shipments
- Managed batch reactor testing and external testing requirements
- Managed records to ensure organization and retrievability
- Coordinated between departments to create and revise product and intermediate specifications
- Participated in internal and external audits

Boulder Scientific Company, Mead, CO - *Analytical Chemist I, II, III*
March 2014 - May 2018

- Supervised analytical lab
- Supported analytical department as the lead chemist to train new employees and provide support to chemists on all analyses, calculations, instrumentation, software, sample prep, chemical handling, and equipment related issues
- Performed method development and method validation tasks
- Performed analytical instrument performance verifications and all preventative maintenance
- Excelled at instrument troubleshooting and repair
- Created new instrument methods as needed
- Provided and maintained a safe work environment for all chemists
- Provided HF training and proper handling to all chemists
- Wrote analytical work instructions, test methods, and SOPs
- Prioritized sample testing, standards, and general lab duties to be completed
- Developed and implemented a training plan for new chemists
- Reviewed final and in-process analytical results to ensure accuracy and completeness
- Prepared standards and reagents
- Provided quality control and analytical data to support production, pilot plant, and R&D

ALS Environmental Laboratory, Fort Collins, CO - *Radiochemical Analyst*
March 2013 - March 2014

- Prepped and analyzed environmental samples for radioactivity under EPA regulations
- Prepared standards and reagents for laboratory use
- Trained new analysts
- Obtained and secured legally defensible data
- Maintained and documented a chain of custody for samples
- Assigned to be a first responder in the lab for emergencies

EDUCATION

Colorado State University, Fort Collins - *B.S. Chemistry, ACS certified*
May, 2012