



Associate Chemist

Position Summary

An Associate Chemist at Virent has a developed understanding of chemical principles with additional analytical chemistry experience and knowledge. He/she will independently conduct routine analyses and perform unique analyses in consultation with senior personnel utilizing a variety of analytical instrumentation on samples related to the conversion of biomass to fuels and chemicals. She/he will establish productive working relationships within Virent that contribute to meeting group and company objectives. He/she will, in consultation with senior personnel, develop and implement new quality metrics, methods and instrumentation and provide training and assistance to junior personnel. She/he will initiate appropriate documentation of methods, processes and procedures, contribute to or lead analytical team efforts, and contribute to corporate technical project teams.

Essential Technical Responsibilities and Duties

- Appropriately apply general chemical, analytical and quality principles to sample analysis and correctly execute advanced laboratory procedures.
- Can prepare samples for and conduct the majority of standard analyses in the lab and perform non-standard/one-off/special analyses with minimal supervision.
- Responsible for operation, calibration, advanced maintenance, troubleshooting, repair and upkeep of analytical instrumentation as assigned.
- Contribute to set up and implementation of new equipment within the Analysis Lab.
- Accurately collect, record, and review information in spreadsheets, notebooks, and logs, and communicate conclusions to appropriate parties in suitable format.
- Provide instruction and training of analysts on processes and procedures in the Analysis Lab.
- Contribute modification to existing analyses and develop and implement new assays under guidance of senior personnel.
- Work on and complete multiple assignments within agreed upon timeframes and self schedule daily activities.
- Write work instructions, procedures, protocols, and JSA's with minimal oversight from senior personnel.
- Maintain a detailed notebook of experimental work, prepare presentations, and submit written documentation of results and future plans for review by senior personnel.
- Keep Analysis Lab colleagues/management, Operations, and Research abreast of experimental details and issues.
- Contribute to development of new processes/systems that enhance the effectiveness and efficiency of the Analysis Lab.
- Work with Researchers and Operators by directing them to the appropriate analytical techniques/personnel to achieve successful completion of pilot plant experiments.
- Perform all work in a safe and environmentally conscious manner by following all EHS policies/procedures/programs.
- Work early morning or evening shifts, weekends/holidays as necessary.

Education and Experience Requirements

EDUCATION: Bachelors Degree in Chemistry or advanced degree in other science. AND

EXPERIENCE: 5 years of experience with similar job responsibilities. AND

SKILLS/KNOWLEDGE: Mastery of basic chemistry laboratory procedures. Proficiency in a subset of analytical methods/instrumentation. Worked independently to perform analyses and initiated adaptations to standard lab methods and procedures. Contributed to novel approaches to complex analyses in collaboration with senior personnel. Capable of effective oral and written communication. Proficiency with Excel, Word and PowerPoint.

APPLICATION INSTRUCTIONS
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