Analytical Toxicologist 2 (AT2) - Method Development / Bench Analyst

Forensic Dover, Delaware

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Description

SNA International seeks a bright, collaborative Analytical Toxicologist (AT2) – Method Development / Bench Analyst with a strong work ethic to join our team. SNA International’s team works together in pursuit of the same cause:  build a safe and just world by empowering organizations in the use of forensics, biometrics and identity intelligence.

The position is assigned to the Division of Forensic Toxicology and will serve as a bench level analyst for the Division of Forensic Toxicology. The position will provide method development and validation data, confirmation data, full scan mass spectra analysis, corrective action measures, standard operating procedures (SOP) improvements and revisions, participate in research programs, and perform all special testing as directed by laboratory management.

**Critical Work Responsibilities:**

* Evaluation of instruments, extractions, analysis protocols, and data review
* Maintain an accurate written record of all analyses performed and ensure proper archiving of records
* Calibrate instruments, prepare reagents and samples for testing, complete testing, and prepare written reports for supervisory staff
* Complete research projects as assigned
* Analysis of biological specimens using the following techniques:
  + Spectrophotometric Carbon Monoxide analysis
  + Color tests for Cyanide, Salicylate, and Acetaminophen
  + Gas Chromatography screening techniques including Basic Drugs, Carbon Monoxide, Cyanide and Headspace Volatiles analyses
  + Basic, Acidic and Neutral Drug Extractions (via Solid Phase or Liquid/ Liquid)
  + Intermediate Knowledge of mass spectrometry and compound fragmentation
  + Intermediate Knowledge of Quantitative Analysis
  + Intermediate Knowledge of Instrumental Analysis
  + Mass Spectrometry (Intermediate)
    - Gas Chromatography/Mass Spectrometry (Intermediate)
    - Liquid Chromatography/Mass Spectrometry (Intermediate)
    - Tandem Mass Spectrometry (Intermediate)
* Participates in laboratory analysis programs including:
  + Routine instrument maintenance
  + Analysis of quality control specimens
  + Preparation for laboratory inspections by inspectors from certifying and accrediting agencies
  + Responsible for maintaining laboratory facilities and equipment in operating condition and reporting problems and possible solutions to supervisory staff
  + Evaluation of laboratory Standard Operating Procedures (SOP) and ensuring laboratory compliance with those standards. This involves reporting SOP discrepancies to the supervisory staff.
* Maintain logs of analyses performed, equipment problems and solutions, freezer and refrigerator temperature logs, and equipment operation logs
* Maintain the laboratory in a mission readiness status at all times; this requires the analyst to be aware of existing and potential problems concerning laboratory safety, equipment operation, maintain supply readiness, and other critical laboratory functions.
* Handle hazardous materials and waste, ensuring proper safety precautions are taken in storing and disposition of these materials.
* Authorship in peer reviewed journal and/or presentation of scientific data.
* Perform other job-related duties appropriate to the Division mission as assigned.

**Minimum Requirements:**

* Master of Science in Science related field (e.g. Chemistry, Forensic Science)
* Bachelor of Science in Science related field and 3 years of job experience preferred

**TO APPLY:**

Please submit a cover letter along with your CV. CVs without a cover letter will not be considered.

*SNA International is an Equal Opportunity Employer.*

*All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, or protected veteran status and will not be discriminated against on the basis of disability.*

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