

James Wentworth
Laboratory Manager, ExperTox, Inc.

EDUCATION: University of Louisiana Monroe, Monroe, Louisiana
Bachelor of Science, December, 2002
Major: Toxicology; Minor: Chemistry

EXPERIENCE: **ExperTox, Inc.**, Deer Park, Texas
October 2005 - Present
Laboratory Manager

- Conduct daily analysis of forensic, clinical toxicology analysis of specimens using GC/MS (EI & CI), LC/MS, ICP/MS, ELISA, EIA, colorimetry and other wet methods
- Implement proper documentation and QA/QC in accordance with CAP and CLIA regulations
- Provide research and development for analytical methods for production and peer review (SOFT '07)
- Oversee total performance of analytical equipment and laboratory staff in an effort to improve efficiency
- Perform daily, monthly, and annual maintenance of GC/MS, EIA, ELISA, LC/MS, ICP/MS with proper documentation
- Serve as technical/scientific liaison with clients and medical staff
- Maintain inventory for quantitative and screen labs, including verification of standards and controls
- Scope of work includes legal custody battles, drug and chemical screens and confirmations, analysis of substances of unknown origin, crime scene analysis, and post-mortem analysis

OMNlchem, LLC Nissan Automotive Plant, Canton, Mississippi
July 2004 – October 2005
Lead Chemical Representative

- Oversee five representatives with daily paint overspray treatment, cleanup and transfer
- Solely responsible for startup, maintenance and implementation of chemistry for water treatment system
- Responsible for chemical inventory, waste manifests, QC chemistry of paint spray booths, monitoring VOC levels and stack emissions while maintaining records on database
- Coordinate cleanup/maintenance projects with other contractors
- Confined Space, Lockout-Tagout, HAZCOM, PPE, Fall Protection Safety Training Certification

Nalco Chemical, Nissan Automotive Plant, Canton, Mississippi
March 2004 – July 2004, Part-time
Water Treatment Chemist

- Perform trace metal/mineral analysis using AA, ICP/OES
- Conduct lab analysis with wastewater using titration, colorimetry, fluorescence testing and other wet methods
- QA/QC chemistry in accordance with state and federal water regulations

University of Mississippi Medical Center, Jackson, Mississippi

October 2003 – July 2004

Lab Technician

- Responsible for management, maintenance and inventory of FDA regulated laboratory
- Perform *in vitro* experimentation models with patented drug formulations
- Monitor and harvest cell cultures for testing
- Isolation of human peripheral blood monocytes
- Solely accountable for all experimentation

SKILLS:

Quality and maintenance experience with GC/MS (EI & CI), LC/MS, ICP/MS, EIA, Spectrophotometry, Atomic Absorption

Working knowledge of College of American Pathologists' guidelines

Proficient with LIMS, Excel, Word, WinLab32, MSDChem

Experience with RT-PCR, ELISA, DNA/RNA extraction

Knowledge of ISO9001 procedures