**Wade Ivey**

(865) 406-1803 • [wade.ivey@comcast.net](mailto:wade.ivey@comcast.net) • [iveywp@ornl.gov](mailto:iveywp@ornl.gov)

**Summary of Qualifications**

Results-driven Laboratory Manager/Senior Radiochemist with a successful 23+ year record of experience, achievements, and promotions that is supported by the ability to leverage education, training, process improvements, and the ability to work in individual settings as well in group efforts to make improvements and advances for the laboratory. Success can be demonstrated by career growth from Chemist I to Laboratory Manager, along with a demonstrated ability to handle multiple responsibilities concurrently. Strengths, knowledge, and qualifications include:

• Managing laboratory operations • Developing new laboratory procedures and protocols

• Maintaining strict quality control compliance • Collaborating with external clients and stakeholders

• Participating in external lab compliance audits • Strong analytical, troubleshooting, and problem-solving skills

• Training new employees on lab procedures • Calibrating laboratory testing instrumentation/equipment

• Generating and maintaining technical reports • Optimizing lab efficiency and accuracy

• Radionuclide separations and measurements • Develop and implement data quality objectives

**Professional Experience**

**OAK RIDGE NATIONAL LABORATORY (ORNL)** *Oak Ridge, TN • 09/2019 - Present*

**Analytical Radiochemist** *(09/2019 – Present)*

• Serves as a radiochemist for ORNL’s Radioloactive Materials Analytical Laboratory.

• Prepare and analyze samples, including data interpretation, for alpha spectroscopy, gamma spectroscopy, liquid scintillation, and gas flow proportional counting.

• Maintain laboratory procedure certifications and required training to ensure timely completion of sample analyses with accompanying data reduction.

• Ensure quality control (QC) of radiochemical analyses is maintained at all times.

• Provides improvements, modifications, and development of radioanalytical procedures including job hazardous analyses (JHA’s).

• Train new lab employees on procedures, quality assurance (QA) and QC requirements. Assess and evaluate input needs with database programmers to maintain records per requirements by DOE, NRC, and commercial customers.

• Maintain, calibrate, and track performance of analytical instrumentation and equipment.

• Participate in external compliance audits.

• Prepares samples for total metals and isotopic radionuclides (Th, U, Pu, Am, Cm, Np) by ICPMS analyses.

**OAK RIDGE ASSOCIATED UNIVERSITIES (ORAU)** *Oak Ridge, TN • 05/1997 – 09/2019*

**Radiochemist** *(11/2017 – Present)*

• Serves as the senior chemist for ORAU’s Radiological and Environmental Analytical Laboratory.

• Prepare and analyze samples, including data interpretation, for alpha spectroscopy, gamma spectroscopy, liquid scintillation, and gas flow proportional counting.

• Maintain laboratory procedure certifications and required training to ensure timely completion of sample analyses with accompanying data reduction.

• Ensure quality control (QC) of radiochemical analyses is maintained at all times.

• Provides improvements, modifications, and development of radioanalytical procedures including job hazardous analyses (JHA’s).

• Train new lab employees on procedures, quality assurance (QA) and QC requirements. Assess and evaluate input needs with database programmers to maintain records per requirements by DOE, NRC, and commercial customers.

• Maintain, calibrate, and track performance of analytical instrumentation and equipment.

• Participate in external compliance audits performed by DOE, NRC, and the International Standard Organizations including ISO9001, ISO17025, and DoD ELAP accreditation.

• Perform total metals, TCLP metals, and isotopic uranium by ICPMS analyses.

• Perform radiological surveys for real and non-real land areas in support of reducing the DOE’s footprint in various locations.

**Laboratory Manager** *(06/2011 –11/2017)*

• Assisted in developing, implementing, and maintaining programs/procedures regarding sample collection, handling, and transportation. Interpreted sample and analysis plans (SAPs) to prepare statements of work for contract labs.

• Responsible for all aspects of the radiochemistry laboratory becoming ISO17025 and DoD ELAP accredited under A2LA and achieving DOECAP approval for the DOE. Activities included the evaluation, planning, development, procedure writing, training, and implementation of all requirements for the accreditations.

• Responsible for lab and QA staff achieving greater than 99% acceptance on external quality control cross-check samples, for the DOE and the USNRC for over the last 15 years, with over 400 data points reported annually.

• Maintained communication with field survey, laboratory, project management, Environmental Safety and Health, Facilities and Transportation Department shipping, and administrative personnel to support planning and execution of environmental sampling and field inspection activities.

• Collaborated with contract labs to troubleshoot and resolve issues.

• Generate and interpret final reports including data tables, amendments to procedures, and laboratory narratives for specialized samples as required. Perform statistical analysis on data sets.

• Provide radiochemistry technical assistance to internal and external customers.

• Provide laboratory costing input to business development proposals and purchase orders.

• Provide Sample Process and Laboratory Design lectures for the ORAU’s Professional Training Program.

• Assured handling of hazardous and radioactive samples were in accordance with regulations.

• Verified that data quality objectives were fulfilled by laboratory analytical work.

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*ORAU – continued –*

• Provided technical input for SAPs. Coordinated field sampling events in conjunction with outside analytical lab work.

• Tracked and reported financial metrics associated with laboratory operations. Provided estimates for analytical requests and budget tracking.

• Provided oversight of QA and QC procedures to maintain legal chain-of-custody for sampling events, transportation and analysis.

**Chemist III** *(08/2001 – 06/2011)*

• Maintained laboratory procedure certifications and managed lab supply inventory.

• Ensured QC of radiochemistry analyses.

• Provided radiochemistry technical assistance to internal and external customers.

• Collaborated with the laboratory manager in the improvement, modification, and development of radioanalytical procedures for alpha, beta, and gamma emitting radionuclides.

• Provided training of new laboratory employees in radiochemistry and QC procedures.

• Performed operational analysis and resolution development for daily lab management.

• Served as Waste Accumulation & Spill Coordinator.

**Chemist II** *(06/1999 – 08/2001)*

• Maintained laboratory procedure certifications and managed lab supply inventory.

• Analyzed samples using approved procedures including instrument calibration within scope of role.

• Ensured QC of radiochemistry analyses.

• Provided training of new laboratory employees in radiochemistry and QC procedures.

**Chemist I** *(05/1997 – 06/1999)*

• Analyzed samples using approved procedures including instrument calibration within scope of role.

• Performed data review and interpretation.

• Monitored laboratory periodically to check for radionuclide contamination.

• Monitored routine QC activities to ensure on time performance and conformance to established limits.

• Provided operational support to Chemist II. Provided recommendations to protocols and procedures to optimize lab efficiency and accuracy.

**Education**

University of Tennessee, Knoxville, TN

**M.S., Analytical Chemistry**

Thesis: *Experimental Planning for Industrial Separation of Pure Lutetium*

Presbyterian College, Clinton, SC

**B.S., Chemistry**

**Awards & Certifications**

• Defense Logistics Agency Commendable Service Certificate, 09/18/2008, by Cornel A. Holder. In recognition of superb support of phase IV of the National Defense Stockpile's Thorium Nitrate Disposition Project (Decontamination and Decommissioning).

• Oak Ridge National Laboratory Holdup Measurement System 4 (HMS4) NDA training

• DOE Pollution Prevention Award—Award for the reduction of greater than 95% HClO4 used in the laboratory and eliminating two organic waste streams.

* Internal awards for the planning and implementing a new Laboratory Information Management System and the execution of achieving ISO 17025 and the DoD ELAP accreditations.
* Active DOE “L” clearance
* HAZWOPER 40 hour training
* Rad Worker II certified
* 40 hour gamma spectroscopy course
* 40 hour ICPMS course
* CPR/AED certified