

## **COURSE AGENDA - RADIOCHEMISTRY**

### **February 2, 2012**

08:00 AM Introductions & Logistics

08:15 AM Chapter 1: TNI Standards, PTs, Theory

- Review standard requirements, V1M1, V1M2, V1M6
- Review theory of radiochemistry
- Professional conducts and ethics refresher
- Interviewing techniques to gather objective evidence

10:00 AM Break

10:15 AM Chapter 2: GPC, gross alpha, beta

- Review technology including instrumentation and software
- Major sources of error, and how to assess them

### **12:00 Lunch (on your own)**

01:00 PM Chapter 3: Technologies

- Alpha Scintillation, Gamma spectroscopy
- EPA methods including DW criteria
- Writing deficiencies or findings

03:00 PM Break

03:15 PM Measurement Uncertainty or Propagation of Error

05:00 PM Course Ends for Day

### **February 3, 2012**

08:00 AM Review and Questions from Day 1

08:30 AM Chapter 4: Assessment Process review

- ICP/MS – related technologies
- Corrective Action/root cause review and evaluation of corrective actions

10:00 AM Break

10:15 AM Chapter 5: Laser Phosphorimetry, Alpha spectroscopy,

- Liquid scintillation, Strontium 89, 90
- Managing the assessment – Sampling and thoroughness site visit

### **12:00 Lunch (on your own)**

01:00 PM Chapter 6: Summary and Questions

- Data Exercise
- Answer questions related to technologies

02:00 PM Chapter 6: Final Examination

- Scoring

03:30 PM Break

03:45 PM Chapter 7: Wrap-up

- Review Examination Answers
- Evaluation Forms

04:30 PM Course End