NEW TO INDUSTRIAL HYGIENE: MONITORING WORKSHOP

This one-day, hands-on course teaches essential field industrial hygiene monitoring methods. The basic science behind these methods and the "tricks of the trade" are demonstrated by experienced industrial hygienists and practiced by the students. Topics include real-time and integrated chemical and noise sampling techniques, assembling and calibrating sampling trains, and interacting with industrial hygiene laboratories.

Course fee includes a comprehensive resource manual, refreshments, and lunch.

AGENDA: Registration and Coffee at 7:45 a.m.
Course Adjourns: 5:00 p.m.

COURSE TOPICS:

- ***Sampling trains***
  - Calculations
  - Pumps and size selective samplers
  - Sampling media
  - Calibrations
- ***Sampling and Analytical Methods***
  - Limits of detection and quantitation
  - Types of sampling media
  - Understanding analytical parameters
- ***Storing, shipping, and handling samples***
  - Chain of custody
  - Storage and shipping conditions
  - Blanks
- ***Field conditions***
  - Selecting workers and sampling locations
  - Dealing with varying sampling conditions
  - Overloading and breakthrough
  - Field safety basics
- ***Real-time instrumentation***
  - Single and "4-gas" meters
  - Photo- and flame-ionization detectors
  - Particle counters
  - Other technologies
- ***Noise monitoring***
  - Dosimetry
  - Sound level meters and octave bands

About SafeBridge Consultants
SafeBridge Consultants, Inc., a Trinity Consultants company, is composed of board-certified health and safety professionals with years of experience in a variety of industries, with a focus on chemical, pharmaceutical and laboratory workplaces. The SafeBridge team includes toxicologists capable of determining and documenting safe workplace exposure levels for new chemicals, industrial hygienists to assess worker exposure and recommend controls, safety professionals to develop regulatory compliance programs and on-site inspection services and chemists knowledgeable in analytical techniques capable of detecting novel chemical materials at extremely low levels.

Course Director: Brent Altemose, Ph.D., CIH, CSP
Since beginning his career as a ventilation engineer, Brent Altemose has worked for over 20 years in the fields of industrial hygiene and occupational safety. Dr. Altemose has particular expertise in exposure control, exposure assessment strategies, analysis of industrial hygiene data, local exhaust ventilation, and indoor air quality.

For additional information, call Allison McCarthy at (212) 727-0717 x2407 or register online.