



AIR QUALITY & CONTAMINATE EXPOSURE ASSESSMENT

Protect Your Workforce With Comprehensive Air Sampling Services

Safety Solutions and Supply is a leading provider of air sampling services designed to help businesses determine what particulates are in their air and the potential impacts on their workers' health. Our team of experienced professionals and state-of-the-art equipment offer a convenient and reliable way to assess air quality and obtain the necessary data to maintain a safe and healthy work environment.

Air Quality Testing

Air sampling is essential to measuring worker exposure to air contaminants and protecting the health of your workers. Our air sampling service is designed to help you identify airborne contaminants in your workplace, determine their concentration levels, and implement effective safety measures to protect your workforce.

Our air analysis service is comprehensive, reliable, and efficient. We offer regular air quality monitoring or a one-time assessment, depending on your needs. Our team of experts will work with you to understand your requirements and objectives and design a customized sampling plan that meets your specific needs.

Our air sampling methodology is based on the latest industry standards and guidelines established by **OSHA, NIOSH, and ACGIH**. We use various methods to identify and measure airborne pollutants, including static and personal sampling. Our sampling methods are designed to capture a representative sample of encountered particles, ensuring that the data we obtain is accurate and reliable when compared against applicable permissible exposure limits (PELs).

Our air quality testing service can help businesses in various industries, including power generation, manufacturing, construction, and mining. We can detect and measure airborne pollutants like **gases, vapors, specks of dust, fumes, mists, and fibers**, helping you identify harmful substances and evaluate air quality. By monitoring employee exposure to contaminants, you can implement effective safety measures and protect the health of your workers.

Air Sampling Devices

Various sampling devices are used to assess air quality, each with unique capabilities and limitations. Below is a list of the most common equipment for collecting and analyzing air samples for different applications.

- **Cassette air samplers:** Collect contaminants through a pump and effectively capture mold.
- **Cyclone assemblies:** Use centrifugal force to separate and concentrate particles of a specific size from the air.
- **Filters:** Commonly used for capturing particles, HEPA filters best for large particles, activated charcoal filters for gases, and glass fiber filters for smaller particles.
- **Impingers and bubblers:** Available for capturing and quantifying airborne contaminants, with impingers using liquid to trap particles and bubblers using liquid to absorb gases and vapors.
- **Inhalable samplers:** Worn as badges by workers for personal exposure assessment.
- **Pumps:** Draw air through a filter to collect particles or gases for analysis, and vary in size and flow rate depending on the application.

Our team can help you select the most effective air sampling methods and tools suited to your needs.

If you would like to learn more about our air sampling service and how we can assist you in reaching your safety goals, contact us at 866-537-2262.