VOCS and the Environment

Volatile organic compounds, or VOCs, are a class of carbon-based chemicals that are gaseous under ambient conditions. VOCs are emitted from many sources, including natural gas production, mining, manufacturing processes, and vehicle exhaust. Long-term exposure to VOCs can affect human health and the environment, requiring accurate, efficient air quality monitoring that can be performed quickly on-site.

RJ Lee Group, Inc. has combined state-of-the-art trace gas detection instrumentation with a commercial van to create the Mobile Organic Monitoring Laboratory. This is the first commercially available mobile technology that can identify and measure part-per-trillion concentrations of volatile organic compounds in real time. The unit uses a Proton Transfer Reaction Mass Spectrometer, or PTR-MS, to screen indoor and outdoor air quality to detect VOCs and select inorganic pollutants.

Contact our experts today to learn more about the Mobile Organic Monitoring Laboratory when you need remote air quality testing with fast, accurate results.

The PTR-MS van can monitor airborne pollutants wherever it can be driven.

Direct Air Sampling

» No sample preparation
» Instant quantification
» Real-time sampling from continuous air flow

Accuracy

» Very low limit of detection (LoD - 5 ppt) of VOCs

Mobile

» Allows monitoring of any indoor/outdoor air in any environment

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