Passive air samplers accurately measure trace levels of atmospheric pollutants in ambient air. They are inexpensive, easy to use and do not require electricity to operate. Because of this, they are particularly useful in remote and wilderness areas and in regional-scale air quality assessments.

They not only monitor elevated concentrations of pollutants in working areas, but have also been adapted to low-level monitoring, including the determination of Volatile Organic Compounds (VOCs).

**HOW CAN BUREAU VERITAS HELP YOU?**

When monitoring air quality for environmental or occupational health & safety purposes, passive sampling allows for the physical uptake of a gas or vapour sample via a permeative or diffusive process. By working with Bureau Veritas, customers can detect and monitor six pollutants: SO$_2$, H$_2$S, NO$_2$, O$_3$, NO$_x$, and NH$_3$. Bureau Veritas has engineered a proprietary Passive Air Sampling System (PASS) unit to facilitate sample collection. It can be used independently or as part of an extensive air monitoring network that analyses multiple parameters. Securing units to a support system with straps or hose clamps allows for the installation of up to three samplers per shelter.

Our PASS units are compact, portable and require very little maintenance. With a durable top cover to shelter against rain, snow and wildlife, the PASS is validated for use in even extreme weather conditions. Our reusable samplers and shelters can be purchased or rented, depending on the specific needs of the project.

**SAMPLING AND SHIPPING**

After the desired sampling duration (ranges vary up to 30 days), the samplers are shipped back to our laboratory for analysis. Air tight shipping containers must be used to ensure sample integrity between the field and the laboratory.

For more information, contact us at:

780.378.8500

air@bureauveritas.com

Bureau Veritas delivers industry-leading detection limits that are much lower than current regulatory requirements using gas chromatography-mass spectrometry (GC-MS) for the majority of our analyses.

Our Edmonton laboratory is accredited by the Standards Council of Canada (SCC) in compliance with ISO/IEC 17025. We are certified for specific tests and matrices related to passive air analysis.