

TECHNICAL INSERT

Item No	521	TraceAir® Monitor for	Prepared by	SCW
Edition	6/29/2012	Organic Vapors	Approved by	CRM

The TraceAir® Personal Monitor is designed to measure exposure to chemicals in order to demonstrate workplace compliance with Permissible Exposure Limits (PELs) and Short Term Exposure Limits (STELs) defined by the Occupational Safety and Health Act of 1970 and Title 29 Code of Federal Regulations.

This **Technical Insert** contains product-specific information on use and storage.

9159-521 6/12

Sampling Medium:	Activated Carbon, 365 mg, PTFE Binder
Analytes Sampled:	Organic Vapors; See <i>AT Labs IH Sampling Guide</i>
Analytical Method:	Modified OSHA 7: Desorption in carbon disulfide with appropriate co-solvent; analysis by gas chromatography with flame ionization detector (GC/FID)
Recommended Sampling Time:	STEL = 15 minutes PEL = 8 hours 2 covers removed for short term or low level sampling 1 cover removed for full shift sampling Functional Range: 15 min - 12 hours
Recommended Holding Time:	Monitors must be received by Lab within two (2) weeks after sampling.
Sample Capacity:	Analyte dependent; call for details.
Detection Limit (DL):	Analyte dependent; See <i>AT Labs IH Sampling Guide</i>
Sampling Rate (SR):	Typically 30 - 90 mL/min; See <i>AT Labs IH Sampling Guide</i>
Interfering Substance(s):	Organic vapors in <i>AT Labs IH Sampling Guide</i> list do not interfere if GC resolution is adequate.
Effect of Temperature:	Effect on result $\leq 5\%$ within 0 - 50 °C (32 - 122 °F).
Effect of Humidity:	Functions as claimed within 10 – 80% RH.
Accuracy (MTE):	Meets or exceeds OSHA requirements for accuracy: Maximum Total Error (MTE) $\leq 25\%$ at PEL; $\leq 35\%$ at STEL.
Storage Conditions:	Store at controlled room temperature. Do Not Use after Expiration Date printed on pouch.
IMPORTANT:	Warranty valid only if Instructions for Use have been followed.
WARNING:	Wash affected area thoroughly if Sampling Medium is contacted.

For detailed directions, see **Instructions for Use** included in each package of Monitors.

For information about each analyte which can be sampled, refer to *AT Labs IH Sampling Guide* at www.assaytech.com or

call **TOLL FREE NUMBER 1-800-833-1258**