

TECHNICAL INSERT

Item No	596	TraceAir®II Monitor for	Prepared by	CG
Edition	Feb 2021	Phenol	Approved by	MDRP

The TraceAir®II 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.

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Sampling Medium:	Activated Carbon, 445 mg, PTFE Binder
Analytes Sampled:	Phenol
Analytical Method:	Modified OSHA 32. Desorption in Carbon disulfide with appropriate co-solvent; analysis by High Performance Liquid Chromatography with an Ultraviolet Detector (HPLC-UV)
Recommended Sampling Time:	STEL = 15 minutes PEL = 8 hours Cover removed for sampling Functional Range: 15 min - 12 hours; Longer sampling times possible when analyte concentrations << PEL.
Recommended Holding Time:	Monitors must be received by Lab within two (2) weeks after sampling.
Sample Capacity:	> 60 ppm for 8 hours (> 480 ppm-hrs)
Reporting Limit (RL): *AT Labs specific	0.030 ppm for 8 hours 0.96 ppm for 15 minutes (0.24 ppm-hrs)
Sampling Rate (SR):	Phenol: 90.3 mL/min
Interfering Substance(s):	Organic vapors do not interfere if HPLC resolution is adequate.
Effect of Temperature:	Effect on result ≤ 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) ≤ 25% at PEL; ≤ 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 detailed information about the TraceAir®II Personal Monitor, refer to *AT Labs IH Sampling Guide* at www.assaytech.com

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