

TECHNICAL INSERT

Item No	548	ChemDisk™ Monitor for	Prepared by	SCW
Edition	11/18/2009	Very Volatile Organic Vapors	Approved by	CRM

The ChemDisk™ 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.

9159-548 11/09

Sampling Medium:	Coconut Charcoal, 200 mg, in proprietary binder
Analyte Sampled:	1,1,1,3,3 – Pentafluoropropane (HFC 245fa)
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 min; PEL=8 hrs or full shift; Functional range: 15 minutes - 12 hours
Recommended Holding Time:	Monitors must be received by Lab within two (2) weeks after sampling.
Sample Capacity:	Call for details
Detection Limit (DL):	1.4 ppm for 8 hour sample
Sampling Rate (SR):	0.275 mL/min
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 detailed information about the ChemDisk™ Personal Monitor, refer to www.assaytech.us or

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