

TECHNICAL INSERT

Item No	546	ChemDisk™ Monitor for	Prepared by	SCW
Edition	11/23/2009	Organic Vapors, High Capacity	Approved by	CRM

The 546 ChemDisk™ Personal Monitor is designed to measure exposure to chemicals in order to demonstrate workplace compliance with Permissible Exposure Limits (PELs) 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.

9159-546 11/09

Sampling Medium:	Activated Carbon, 150 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:	PEL=8 hrs or full shift Functional range: 60 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 1 - 4 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.
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.us or

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