

SKC VOC 575

Superior Passive Sampling of ppm-Level Organic Vapors

Passive Sampler	SKC VOC Chek 575-001	Assay Technologies Assay 566	3M OVM 3500
Media	Charcoal, Lot 2000 sorbent	Charcoal sorbent wafer	Charcoal sorbent wafer
Sorbent amount (mg)	350*	150	170
Multiple validated sampling rates†	Yes	Yes	Yes
Quantity samplers needed for 8-hour shift	1	1	Varies†
Number of analyses	1	1	Varies
Number of carbon-based sorbents offered	2*	1	1
Ongoing validations	Yes	Yes	No
Shelf-life	2 years	2 years	18 months

Top Reasons to Choose VOC Chek 575

- ✓ **Capacity**
 - More than twice the sorbent found in other samplers
- ✓ **Sample time**
 - More sorbent means longer sample times for 8 hours or more for most compounds
- ✓ **Cost**
 - More sorbent in a single layer and one sampler for an 8-hour shift means fewer analyses
- ✓ **STEL Sampling for some compounds**
- ✓ **Scientific data**
 - VOC Chek 575 samplers are tested using NIOSH and other protocols with reports available online for defensible results
- ✓ **Defensible**
 - Documented performance in OSHA diffusive methods and SKC online research reports
- ✓ **Easy 3-step sampling!**

* Available with 500 mg Anasorb® 747 sorbent for additional compounds
 † Dependent on compound and concentration
 ‡ Compound dependent

Other Advantages

- Lightweight and unobtrusive
- Easy sorbent transfer for analysis
- Samplers available for organic vapors, ethylene oxide, styrene, and methanol
 - Proper sorbent selection means no reverse diffusion
- Sampling rates for over 300 compounds (www.skinc.com/catalog/passive-guide.php)
- Validated in OSHA methods as a reliable alternative to active sampling



OSHA Active/Passive Method Cross-reference

SKC VOC Chek® 575 Passive Samplers (575 Series) are identified in seven OSHA methods as a reliable alternative to active sampling.

Compound	Active Method/ Tube Cat. No.	Passive Method/ Sampler Cat. No.
Benzene	OSHA 1005 226-01	OSHA 1005 575-002
Butyl acetates	OSHA 1009 226-01	OSHA 1009 575-002
MEK/MIBK	OSHA 16 (MEK) 226-10	OSHA 1004 575-002
Styrene	OSHA 89 226-73	OSHA 1014 575-006
Toluene	OSHA 111 226-81A or 226-01	OSHA 111 575-002
Trichloroethylene/ tetrachloroethylene	OSHA 1001 226-01	OSHA 1001 575-002
Trimethylbenzene	OSHA 1020 226-01	OSHA 1020 575-002
Xylenes/ethylbenzene	OSHA 1002 226-01	OSHA 1002 575-002



Front of VOC Chek 575
(actual size)



Back of VOC Chek 575 Sampler
designed for easier analysis

References

Cassinelli, M.E., et al., "Diffusive Sampling: An Alternative to Workplace Air Monitoring," A. Berlin, R.H. Brown, and K.J. Saunders (Royal Society of Chemistry, London) (eds.), NIOSH Protocol for the Evaluation of Passive Monitors, 1987, pp. 190-202

Guild, L.V., et al., "Bi-Level Passive Monitor Validation: A Reliable Way of Assuring Sampling Accuracy for a Larger Number of Related Chemical Hazards" Appl. Occup. Environ. Hyg., Vol. 7, No. 5, May 1992, pp. 310-317. Reprints available from SKC.

SKC 575 Passive Sampler Validation (Research) Reports. Available at www.skinc.com. Enter "575" in the Google search box and click on the More Information tab.



Performance Profile

Housing:	Nylon, 1.4-in (3.5-cm) diameter, 2.5-in (6.3-cm) length (including clip), and 0.6-in (1.5-cm) depth
Concentration Range:	Varies dependent upon chemical of interest
Analysis:	Solvent desorption, gas chromatography (GC) with varying detectors dependent upon chemical of interest
Shelf-life:	Up to 2 years
Storage:	Varies
Sample Time:	Validated for 15-min and 8-hr occupational exposure sampling. 24-hr validation for some compounds. See <i>Sampling Guide</i> at www.skinc.com/PassiveGuide/default.asp .
Sampling Rate:	Dependent upon chemical of interest. See <i>Sampling Guide</i> at www.skinc.com/PassiveGuide/default.asp .

Ordering Information

Passive Sampler for:	Sorbent	Cat. No.
Organic vapors	Charcoal Lot 2000, 350 mg	575-001†
		575-001A†
Organic vapors	Anasorb® 747, 500 mg	575-002†
		575-002A†
Ethylene oxide	Anasorb 747 treated with hydrobromic acid, 500 mg	575-005†
		575-005A†
Styrene	Anasorb 747 treated with tert-butyl catechol, 500 mg	575-006
Methanol	Anasorb 747, 500 mg	575-007

575-007 Samplers include secondary diffusion barriers to ensure 1.2 ml/min sampling rate.

† Larger quantity packages are available. Contact SKC.

Analysis Accessories

Description	Cat. No.
Desorption Efficiency Tubes , each single-section tube contains the sorbent type and amount equal to the corresponding passive sampler, pk/10	
For 575-001 Samplers	575-048
For 575-002 and 575-007 Samplers	575-049
For 575-005 Samplers	575-051
For 575-006 Samplers	575-052

SKC Limited Warranty and Return Policy

SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skinc.com/warranty>.