

SKC VOC 575

Passive Samplers for Superior Collection of ppm-Level Organic Vapors

- Newly designed housing for easier analysis
- No assembly required
- Accurate and reliable – proven performers
 - Extensively tested with research reports for 28 compounds at www.skcinc.com/reports.asp
- Save time and money with superior collection efficiency
 - Single > 300-mg sorbent layer + larger surface area = higher capacities
 - Validated for 8 hours (twice the limit value); collect most compounds with **one** sampler per 8-hour workshift
- Validated flexibility
 - Validated for 15-minute and 8-hour sampling
 - Suitable for 24-hour indoor air sampling for some compounds
- Meet ASTM D6248-08 and ANSI/ISEA 104-1998 (r 2009) standards
- Listed in seven OSHA methods as a reliable alternative to active sampling
- Desorption efficiency tubes available
- Easy access to sampling rates and parameters in the SKC Passive Sampling Guide at www.skcinc.com/PassiveGuide/default.asp

New Design!

Sample in 1, 2, 3!



Remove front cap.



Clip in worker's breathing zone.



Cap and record information.



Active/Passive Sampling 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
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

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: Limited shelf-life; see *instructions for details*

Storage: Varies; see *instructions for details*

Sample Time: Validated for 15-min and 8-hr occupational exposure sampling. 24-hr validation for some compounds. See *Sampling Guide at www.skinc.com/PassiveGuide/default.asp*.

Sampling Rate: Dependent upon chemical of interest. See *Sampling Guide at www.skinc.com/PassiveGuide/default.asp*.

Ordering Information

Passive Sampler for:	Sorbent		Cat. No.
Organic vapors	Charcoal Lot 2000, 350 mg	pk/5	575-001†
		pk/25	575-001A†
Organic vapors	Anasorb® 747, 500 mg	pk/5	575-002†
		pk/25	575-002A†
Ethylene oxide	Anasorb 747 treated with hydrobromic acid, 500 mg	pk/5	575-005†
		pk/25	575-005A†
Styrene	Anasorb 747 treated with tert-butyl catechol, 500 mg	pk/5	575-006
Methanol	Anasorb 747, 500 mg	pk/5	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

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.

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.asp>.

