



VOC Chek 575 Passive Samplers

Superior Passive Sampling of ppm-Level Organic Vapors



KEY FEATURES

- Lightweight and unobtrusive
- Fast, easy one-step 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 (see our *Passive Sampling Guide*)
- Additional siloxane and anesthetic gas validations
 - 575-001 validated for siloxanes (D4, D5, L2, and L3)
 - 575-002 validated for halothane, isoflurane, desflurane, enflurane, and sevoflurane
- Validated in OSHA methods as a reliable alternative to active sampling
- Rugged sampler, simple design



Top Reasons to Choose VOC Chek® 575 Samplers

- 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
- 15-minute STEL sampling for some compounds
- Savings
 - More sorbent in a single layer and one sampler for an 8-hour shift means fewer analyses
- Scientific data
 - VOC Chek 575 samplers are tested using NIOSH and other protocols with online validation reports available for defensible results
- Defensible
 - Documented performance in OSHA diffusive methods SKC online research reports
- Easy 3-step sampling!

Passive Sampler	SKC VOC Chek 575-001	Assay Technologies Assay 566
Media	Anasorb® CSC Charcoal-Lot 2022 binder-free high-capacity sorbent	Charcoal sorbent wafer
Sorbent amount (mg)	350* – Over 2 times more sorbent for longer sample times of 8 hours or more for most compounds	150
Multiple validated sampling rates†	Yes	Yes
Quantity samplers needed for 8-hour shift	1	1
Number of analyses	1	1
Number of carbon-based sorbents offered	2* – Flexibility for different compounds. Allows for proper sorbent selection to eliminate reverse diffusion	1
Ongoing validations	Yes – Validated sampling rates for >300 compounds; validation reports available online	Yes
Shelf-life	2 years	2 Years

* Available with 500 mg Anasorb 747 sorbent for additional compounds

† Compound dependent



More information



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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 from date of manufacture at < 39.2 F (4 C)
Storage	• Varies
Sample Time	• Validated for 15-min and 8-hr occupational exposure sampling. 24-hr validation for some compounds.
Sampling Rate	• Dependent upon chemical of interest. See the online SKC Passive Sampling Guide

ACTIVE/PASSIVE CROSS-REFERENCE

SKC VOC Chek 575 Passive Samplers are identified in eight 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 1004 (modified)	226-81A	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

ORDERING

Available as Cat. No.

575-001 [†] for Organic Vapors	Anasorb CSC Charcoal Lot 2022, 350 mg, 5 Pk
575-002 [†] for Organic Vapors	Anasorb 747, 500 mg, 5 Pk
575-005 [†] for Ethylene Oxide	Anasorb 747 treated with hydrobromic acid, 500 mg, 5 Pk
575-006 for Styrene	Anasorb 747 treated with tert-butyl catechol, 500 mg, 5 Pk
575-007 for Methanol	Anasorb 747, 500 mg, includes diffusion barrier, 5 Pk

[†] Larger quantity packages are available. Contact SKC.

Analysis Accessories

Desorption Efficiency Tubes, each single-section tube contains the sorbent type and amount equal to the corresponding passive sampler, 10 Pk

575-048	For 575-001 Samplers
575-049	For 575-002 and 575-007 Samplers
575-051	For 575-005 Samplers
575-052	For 575-006 Samplers

**For additional details, visit the
VOC 575 Passive Samplers on our website.**

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.