

SAMPLING SOLUTIONS



For Ambient Air

Recognition

Pollutant levels in ambient air are monitored over a long period by measuring the number and kinds of pollutants in the surrounding outdoor air. SKC offers active and passive sampling solutions for ambient air monitoring. SKC active samplers require an air sample pump to collect hazardous gases and vapors in air; passive samplers collect hazardous vapors by diffusion without the use of an air sample pump.

See the SKC equipment recommended for sampling the following compounds in ambient air monitoring:

- Formaldehyde
- Pesticides, PCBs, and PAHs
- Volatile organic compounds (VOCs)
- Particulate matter
- Nitrogen dioxide

Evaluation with SKC Sampling Solutions

For over 50 years, SKC has led the research, design, and manufacture of quality sampling equipment and media to aid health and safety professionals in the evaluation of occupational and environmental hazards.

Choose from the many SKC method-based sampling solutions for ambient air monitoring, ranging from air sample pumps, active and passive samplers, filter cassettes, and sorbent tubes to innovative portable instruments.

See reverse side for specific method and sampling equipment/media information.

Sample Collection

Active Air Sampling Solutions

Target Compound	Select Methods*	SKC Sample Collection Media and Cat. No.	SKC Sample Pump/ System and Cat. No.	Notes
Formaldehyde	TO-11A	Sorbent tube 226-119 or 226-120	AirChek® TOUCH 220-5000TC	
PAHs	ASTM D6209 EPA TO-13A	PUF tube 226-131 and quartz filter 225-1808	—	
	Modification of methods above	Filter/PUF 226-206 or filter/PUF/XAD-2/PUF 226-207	Deployable Cartridge Sampler 100-3960	
	NIOSH 5506	Preloaded filter cassette 225-1713 (prefilter) and sorbent tube 226-30-04	AirChek TOUCH 220-5000TC	
PCBs	EPA TO-10A	PUF tube 226-92 or 226-124	AirChek TOUCH 220-5000TC	
	EPA TO-4A	PUF tube 226-131 and quartz filter 225-1808	—	
	Modification of methods above	Media cartridge containing filter/PUF 226-206 or filter/PUF/XAD-2/PUF 226-207	Deployable Cartridge Sampler 100-3960	
Pesticides	EPA TO-10A	PUF tube 226-92 or 226-124	AirChek TOUCH 220-5000TC	
	EPA TO-4A	PUF tube 226-131 and quartz filter 225-1808	—	
	Modification of methods above	Media cartridge containing filter/PUF 226-206 or filter/PUF/XAD-2/PUF 226-207	Deployable Cartridge Sampler 100-3960	
VOCs	EPA TO-17	Thermal desorption tube 226-300 Series	Pocket Pump TOUCH 220-1000TC	

* Other methods may apply. SKC recommends those listed.

Passive Air Sampling Solutions

Target Compound	Select Methods*/ SKC Validation	SKC Sample Collection Media and Cat. No.	Notes
Nitrogen dioxide and/or sulfur dioxide	Research Reports 1789 and 1781	UMEX ²⁰⁰ 500-200	
Organic vapors	Research Reports 1667 and 1689	ULTRA [®] 690 Series	

* Other methods may apply. SKC recommends those listed.

Monitoring Solutions

Target Compound	Instrument and SKC Cat. No.	Notes
PM10 and 2.5	HAZ-SCANNER™ EPAS	<i>Custom configured</i>
VOCs	HAZ-SCANNER™ EPAS	<i>Custom configured</i>

Publication 1856 Rev 2022.11

Notice: This publication is intended for general information only and should not be used as a substitute for reviewing applicable government regulations, equipment operating instructions, or legal standards. The information contained in this document should not be construed as legal advice or opinion nor as a final authority on legal or regulatory procedures.

SKC Ltd www.skcltd.com
+44 1258 480188 enquiries@skcltd.com