# 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 vapours 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 60 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.***

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.

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**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, Essential, Essential+, Connect | |
| PAHs | ASTM D6209-21<br>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 | |
| PCBs | EPA TO-10A | PUF tube 226-92 or 226-124 | AirChek TOUCH, Essential, Essential+, Connect | |
| | 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, Essential, Essential+, Connect | |
| | 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 | |
| | EPA 18 | Tedlar sample bags 231 or 232 series or sorbent tubes 226-01 or 226-09 | Pocket Pump TOUCH 220-1000TC or AirChek TOUCH, Essential, Essential+, Connect | |

** Other methods may apply. SKC recommends those listed.*

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## 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 | UME$^{X}$ 200 500-200 | |
| Organic vapors | Research Reports 1667 | 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 | *Custom configured – contact SKC* |
| VOCs | HAZ-SCANNER™ EPAS | *Custom configured – Contact SKC* |

*Publication 1856 Rev 250925*

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