# SAMPLING SOLUTIONS

## For Soil Gas Sampling

## Recognition

Soil gas sampling is a valuable screening method to determine the presence, composition, and origin of underground contaminants such as VOCs. Soil gas sampling is done in the vadose zone, which is the region extending from the soil surface to the top of the principal water table. Soil gas sampling allows environmental professionals involved in vapor intrusion studies to determine whether underground contaminants are entering the overlying structures and affecting indoor air quality and has other important applications.

SKC offers active sampling solutions for soil gas. SKC active samplers require an air sample pump to collect hazardous gases and vapours in air.

***See the SKC equipment recommended for soil gas sampling.***

## 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 SKC sampling solutions for soil gas sampling, including air sample pumps, active samplers, sample bags, and thermal desorption tubes following agency methods and established protocols.

***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 and Cat. No. | Notes |
|---|---|---|---|---|
| VOCs and other gases | EPA SOP 2042 | Tedlar® 232-01 or FlexFoil PLUS 252-01 sample bag | AirChek® XR5000 210-5001 and Vac-U-Chamber 231-940 | *See SKC Sample Bag Stability Report to choose the bag material for your target compound.* |
| | Varies by compound and analysis technique | Sorbent tubes for solvent extraction including 226-01 charcoal tubes | Pocket Pump TOUCH 220-1000TC | *See NIOSH methods for solvent extraction.* |
| | | Sorbent tubes for thermal desorption | | *See EPA TO-17 for thermal desorption.* |

* Other methods may apply. SKC recommends those listed.



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