Sampling Solutions for Soil Gas Sampling

Introduction

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 vapour 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.

SKC Sampling Solutions

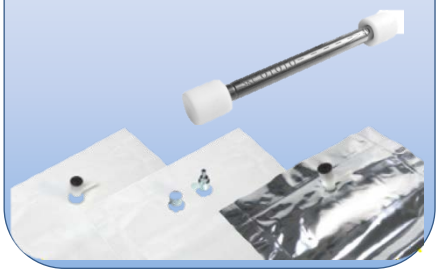
For over 50 years, SKC has led the research, design, and manufacture of quality sampling equipment and media to aid health and safety professionals in the evaluation of occupational and environmental hazards.

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

Air Sample Pumps

Samplers

Sampling Media



Sample Collection

Active Air Sampling Solutions

Target Compound	Select Methods*	SKC Sample Collection Media and Part No.	SKC Sample Pump and Part 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.*