

VOC-Mole™

The VOC-Mole is a stainless steel probe that is inserted into the ground, allowing soil gas to be sampled onto a sorbent tube, for analysis using thermal desorption (TD).



Sturdy construction

The VOC-Mole is constructed from stainless steel drilled with a series of holes through which soil gases can pass. The probe has a tapered tip, which allows it to be driven into the ground using the dedicated impact former.

Three probe lengths are available for sampling volatiles at different depths:

- 295 mm (11.6 inches)
- 445 mm (17.5 inches)
- 895 mm (35.2 inches).

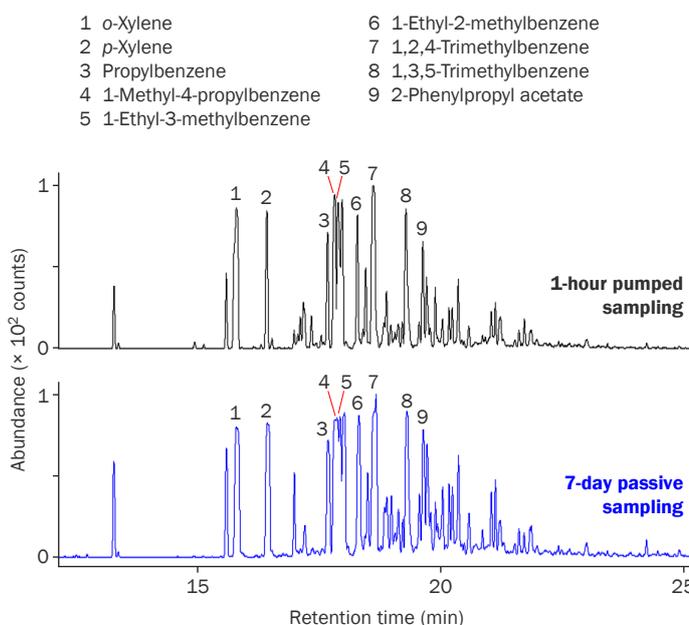
Versatile sampling options

The VOC-Mole cap prevents ingress of water, wildlife and general soil debris. It is easily adapted to two sampling modes:

- **Passive sampling** onto single-bed sorbent tubes is the best option for large-scale monitoring over periods of 1 day to several weeks. In this configuration, the tube is fitted to the lower end of the cap assembly, which is then lowered into the VOC-Mole body.
- **Pumped sampling** onto single-bed or multi-bed sorbent tubes is suitable for sampling over periods of up to 8 hours, and is especially useful for monitoring a broad analyte range in a single run.

Product highlights

- Robust and easy to transport.
- Compatible with passive and pumped sampling.
- Can be left *in situ* for long periods.
- Cap prevents ingress of water, wildlife and soil debris.
- Modified versions for different ground types.



Monitoring gasoline contamination directly from soils can be achieved using fast pumped sampling, or using passive sampling (for long-term monitoring of priority sites). Both methods give the same results, without the need for different analytical equipment.

Tube and sampling cap assemblies can be prepared in the laboratory and sealed ready for transport to the field (where the probes may already be *in situ*).

Sorbent tubes for soil gas monitoring

Markes offers a wide range of stainless steel and glass sorbent tubes, including three-bed 'Soil gas' tubes suitable for pumped monitoring of underground contamination.

Buy our tubes online at www.markes.com/shop.



Key applications

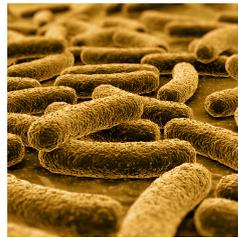
The VOC-Mole has a number of applications, ranging from mapping of contaminated land prior to remediation, to forensic and chemical ecology studies of soil microorganisms. As well as GC analysis of tubes, hand-held PID or FID detectors can be used with the VOC-Mole for quick screening of vapour levels. For examples, please download [Application Note 029](#).



Surveys of industrial, waste and brownfield sites



Pinpointing of leaks from pipelines



Emissions from soil-borne microorganisms

HOW TO
Use the **VOC-Mole** to monitor **VOCs** in contaminated soil





Scan the QR code or follow the link to watch our [short video on the VOC-Mole](#).

Ordering information

Part no.	Description
P-00001	VOC-Mole Soil Probe, 295 mm, pk 1
P-00010	VOC-Mole Soil Probe, 295 mm, pk 10
P-00020	VOC-Mole Soil Probe, 445 mm, pk 10
P-00030	VOC-Mole Soil Probe, 895 mm, pk 10
P-00040	VOC-Mole Soil Probe, 895 mm, modified for use in marshy ground, pk 10
P-00050	VOC-Mole Soil Probe, 895 mm, modified for use in sandy ground, pk 10
P-FORMR	Brass impact former
P-CPO01	Spare VOC-Mole cap assembly, pk 1
P-CP010	Spare VOC-Mole cap assembly, pk 10
P-CP020	Spare O-ring, for VOC-Mole cap assembly, 23 mm x 3 mm i.d., pk 20



Order your VOC-Mole today



Buy online at www.markes.com/shop



Contact your regional distributor or one of our offices (details below).

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