



PRINCETON
GEOSCIENCE

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PRINCETON
GEOSCIENCE
Field Technologies

ROCK^{VOC™} SYSTEM



Precision, Practicality, Efficiency

ROCK^{VOC} SYSTEM SPECIFICATIONS

Princeton Geoscience's patented ROCK^{VOC} System advances VOC sampling by crushing rock and concrete sub-samples directly into solvent-filled VOA vials, which eliminates exposure to air and unquantified VOC loss.

It includes a standard benchtop press fitted to a unique crushing pestle and base unit that ensures the entire sample is thoroughly crushed with just a few turns of the vial. The stainless steel VOA vials are designed to withstand this pressure, as well as be compatible with standard laboratory equipment. The capping unit accommodates the connection of influent/effluent tubing, enabling introduction and removal of gases.

A thermal insertion probe connected to the base unit provides temperature-controlled screening, which allows for simulation of specific conditions, such as the boiling points of targeted VOCs, thereby eliminating variables common to typical field screening approaches.



KEY BENEFITS

- ✓ Improves detection of hidden contamination sources, e.g., building materials assessment during vapor intrusion studies.
- ✓ Makes rock matrix analysis accessible for remediation practitioners.
- ✓ Features stainless steel VOA vials, hydraulic press compatibility, and temperature-controlled VOC screening.

*Princeton Geoscience's newly patented system, **Rock^{VOC}**, addresses important shortcomings in traditional methods, offering **improved reliability and better informed decision making**. It offers a highly specialized, accurate approach that may otherwise be out of reach for many practitioners.*