

## Phase Separation Science

### Indoor Air Quality and Sub Surface Vapor Sampling Utilizing EPA Method TO-15

5 Day Standard TAT on analysis. Expedited 3 Day, 2 Day Next Day service is our specialty.

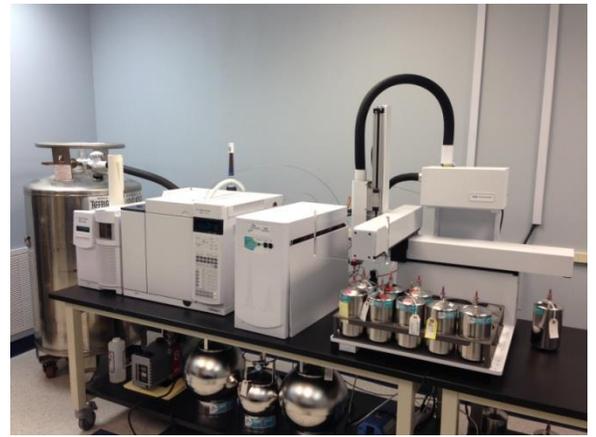
#### Phase Separation Offers:

- ✓ Courier service delivery of sampling equipment and pickup of samples
- ✓ The most advanced instrumentation and cleaning system for canister and flow controllers available
- ✓ Turnkey solutions including pre-cleaned tubing and rental of Vapor Pin™ installation kits



Our equipment provider, Entech Instruments, places a proprietary ceramic coating called **Silonite®** on the inside of sampling canisters and flow controllers to guarantee an inert surface, allowing the recovery of more compounds than any other air sampling device. Silonite® is a ceramic coating treatment developed by Entech to provide an ultra-smooth inert surface, surface which greatly reduces the potential for chemical adsorption.

Our Entech Model 7200 takes TO-15 analysis to a whole new level. Entech's unique/ proprietary Silonite-D coatings throughout the entire flow path ensure complete recovery of volatile while virtually eliminating the chance for chemical reactions and potential for carryover and cross-contamination far below what was previously possible.

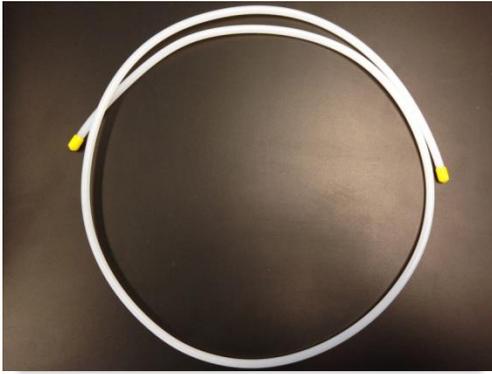


Canisters are cleaned for reuse in a computer controlled heated system. The system evacuates and refills the canisters and flow controllers with nitrogen multiple times to completely eliminate VOCs introduced during the previous sampling. System pressure and vacuum readings create consistent batch to batch cleaning.

Silonite® coated manifolds and separate fill and evacuation flow paths ensure the most efficient and rapid elimination of volatiles.



**We only use small footprint, 1.4L canisters.** With advances in instrumentation, the volume of sample needed to perform an analysis has been dramatically reduced making old style 6L canisters unnecessary. The 1.4 liter canisters are much more convenient to transport, handle and install



**We offer pre-cleaned, nitrogen filed and capped Teflon tubing** for sub-slab/soil gas sampling. With all the technology and effort that goes into providing the cleanest canister and flow controllers, it only make sense to utilize the lowest VOC contents tubing that has been cleaned the same way as canisters and flow controllers.

**We rent Vapor Pin™ installation kits** as a convenience to our clients. The Vapor Pin™ is a unique, patented, re-usable sub-slab soil-gas sampling device. Traditional sub-slab soil-gas sampling methods are time consuming, expensive, and prone to leaks. Cox-Colvin designed the Vapor Pin™ specifically to eliminate many of the problems associated with traditional sub-slab soil gas sampling methods.

