

## **Eurofins Air Toxics Helium Shroud Spec Sheet**

### ***Items included:***

- Two hand, zipper lock closure inflatable glove box bag. Dimensions: 32 in. × 42 in. average inflated height 12 in. Zippered opening diameter is 19.5 in.
- Port to cover soil vapor well 12 cm diameter at ground level.
- 2 additional ports allow for ¼" tubing to be inserted for charging the shroud with helium and purging with an external canister or pump.
- Zip ties to hold tubing in place

### ***Instructions for use:***

1. Open the zippered end of the shroud bag and place port 1 over the soil vapor point. Seal to the ground as needed.
2. Reach into bag and Push port 2 outwards, and snip a hole in the end. Place the tubing from your Helium tank or canister into this port, and zip tie securely.
3. Push port 3 outwards, and snip a hole in the end. Place the purge line through port 2, and zip tie securely.
4. Place your sample canister and manifold into the shroud through the zippered opening. Attach the purge tubing to the purge valve on the manifold. Attach the sample tubing to the manifold inlet.
5. Proceed with purging the lines according to your workplan.
6. Seal the shroud zipper. Charge the shroud with Helium.\*
7. If necessary, Helium concentration can be confirmed by portable meter or additional summa canister sample collected inside the shroud.
8. Place your hands into the shroud gloves, and open the sample canister valve to begin sampling.
9. Close the canister valve when sampling is complete.
10. Open the shroud to remove the canister. Shroud can be moved to the next sampling point.
11. Return all shroud components to the laboratory with the samples. Full replacement cost will be charged for any unreturned items.

\* The shroud can be charged using a 6L summa filled with helium to 15 psi (resulting shroud atmosphere is 10-15% Helium). Alternately the shroud can be charged with a pressurized cylinder fitted with a regulator set to 20 psi (resulting shroud atmosphere is 70-75% Helium).

### ***Special features:***

1. Inflatable shroud can be reused at multiple points, the sample does not come into contact with shroud components
2. Minimizes Helium use, easily remains inflated for 10 minutes without recharging.

3. Canister and flow controller are inside the shroud; consistent with the California DTSC Advisory.
4. "Glove Box" design allows for sampling to be carried out without disturbing the shroud environment, consistent with California DTSC Advisory.

