2019

User's Guide

NVR SWABS

JPL ANALYTICAL CHEMISTRY LAB

Important things to note:

- The vials that hold the swabs/solvent must be kept in the upright position at all times.
- The swabs, solvent, inner portion of cap, inside of vial should not come in contact with any foreign object, such as a glove. The swab/solvent should only come in contact with area being sampled.
- When closing the cap, please make sure you do not over tighten the cap. One snug turn is sufficient. Over tightening the cap may damage the threading on the cap, which can lead to leakage and/or evaporation of the solvent.
- Packaging: The vials must be package in a manner in which they are held in place. This means that the vials must be secured in all directions (x, y, z directions). Please see Figure 1 and 2 for one suggested method. This method involves using foil to fill the empty space in the box.

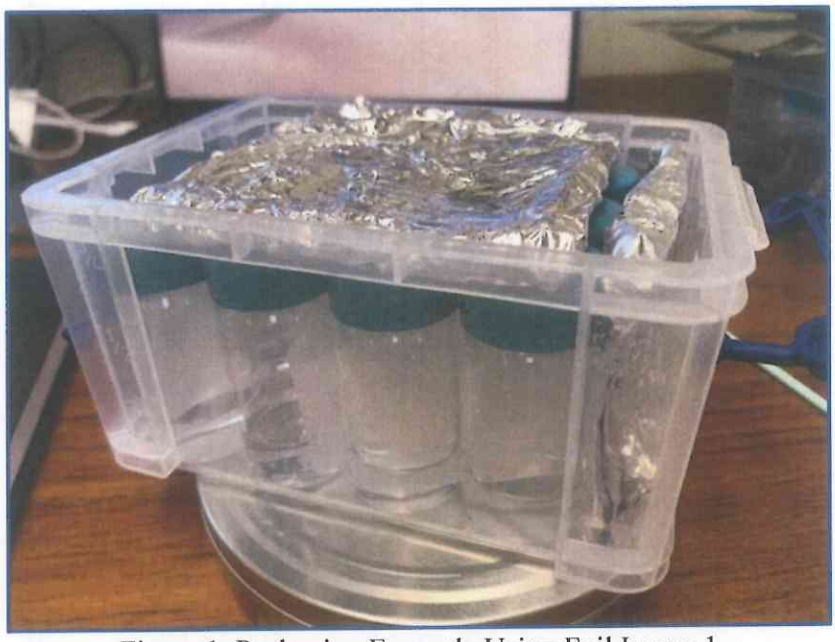

Figure 1. Packaging Example Using Foil Image 1

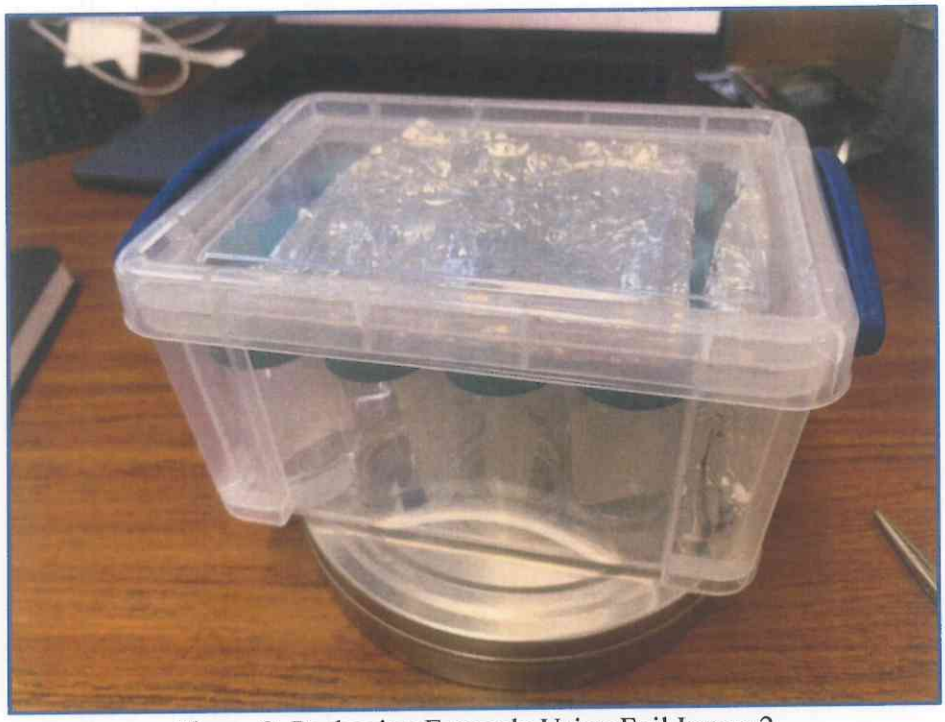

Figure 2. Packaging Example Using Foil Image 2

Getting Started:

1) Prep your surface accordingly if needed; remember to include the surface area being sampled (Figure 3).

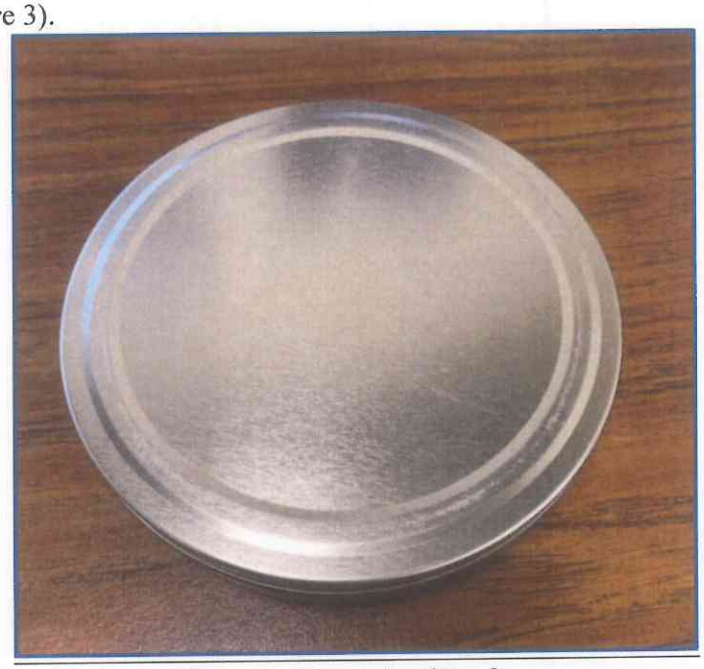

Figure 3. Example of Surface

2) Take your sample; use the hemostat included in your kit to grab the swab (Figure 4).

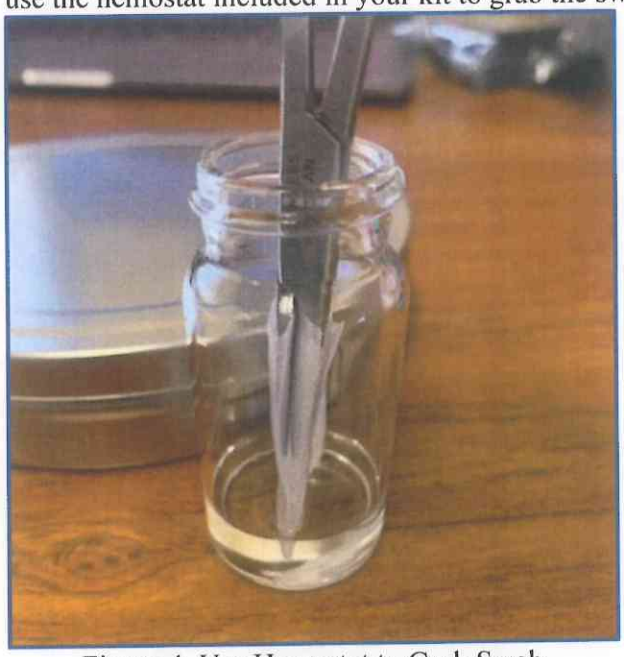

Figure 4. Use Hemostat to Grab Swab

3) Use the swab to sample your surface with the intention of running the swab across the surface in even controlled strokes. Swab each section of the surface once until the entire surface has been sampled (Figures 5 and 6).

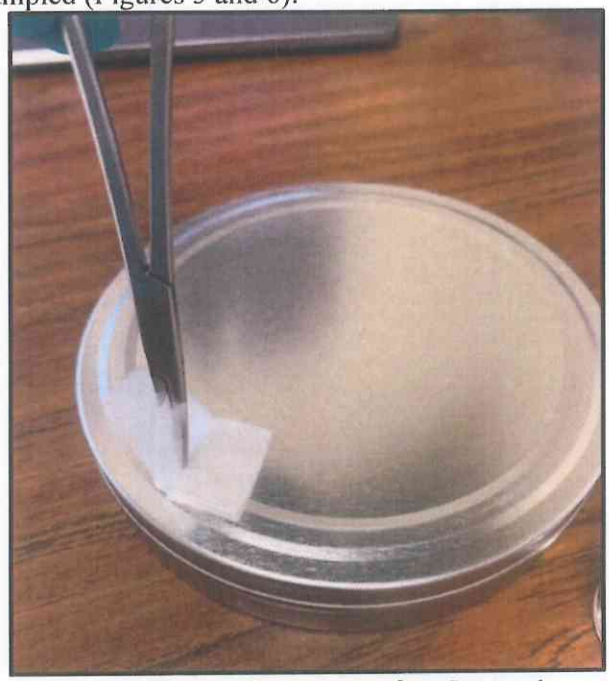

Figure 5. Sampling the Surface Image 1

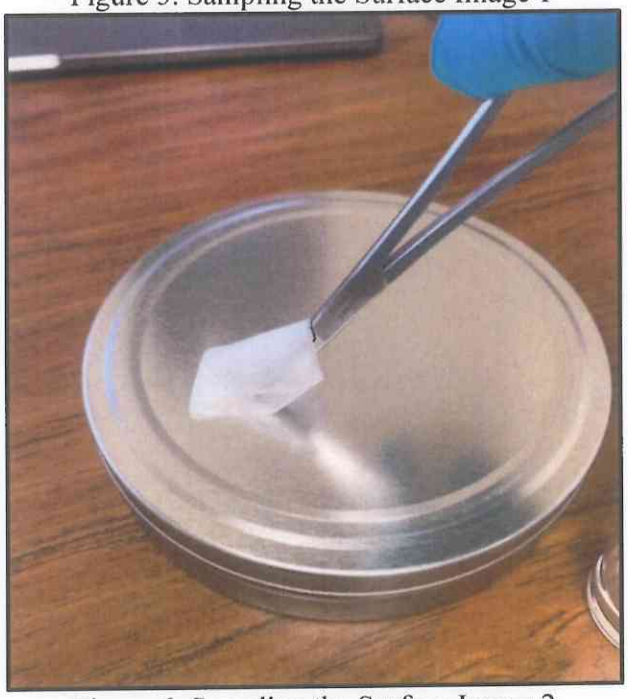

Figure 6. Sampling the Surface Image 2

4) After sampling the surface, return the swab to the vial. A second sampling may be performed, just repeat steps 2 and 3.

5) Use the rinse vial/solvent to clean off the hemostat for future use. The rinse is the vial that does not have a swab (Figure 7).

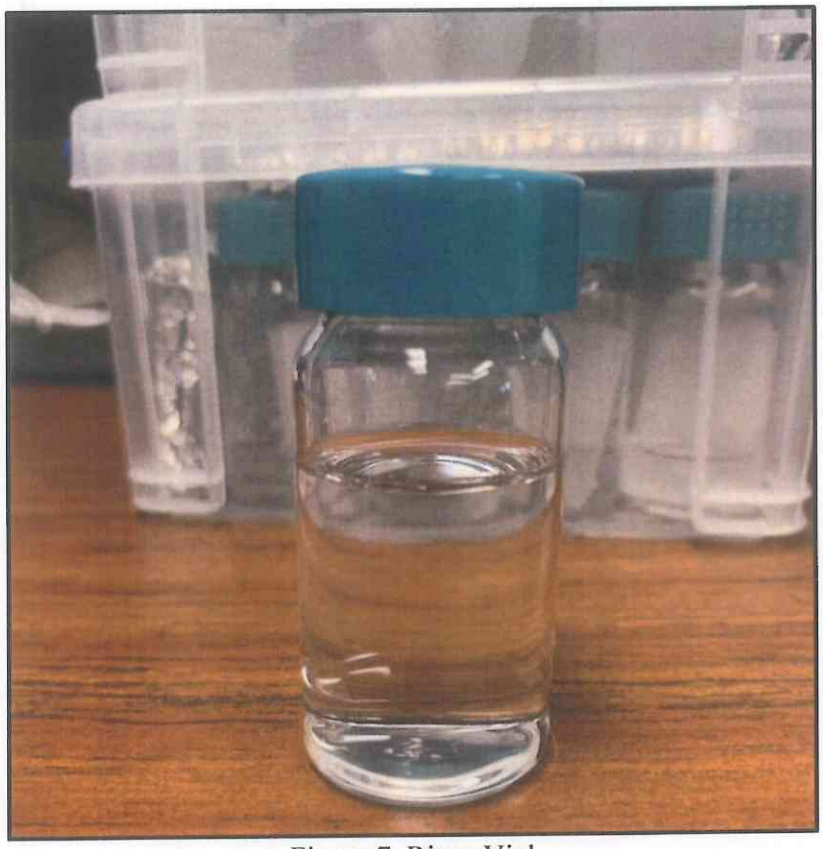

Figure 7. Rinse Vial

6) Additional surfaces: Steps 1 to 5 may be repeated for additional sampling.