

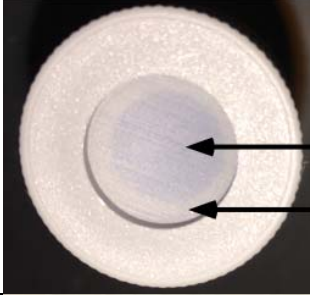



## Recommended Sampling Technique to Fill Screw Cap Vials for VOC Analysis

<p>1. <b>Wear disposable latex or nitrile gloves over reusable cut resistant gloves. Select an HCl preserved Volatile Organic Compound (VOC) vial unless an unpreserved VOC vial is needed for effervescent samples or acid reactive analytes.</b></p>	
<p>2. <b>Fill the VOC vial with minimal turbulence. Do not rinse out the HCl preservative if present. Fill the vial to produce a <i>water dome</i> that extends above the top of the open vial (2-5 mm).</b></p>	
<p>3. <b>Place cap straight on top of the vial without knocking the water dome off. Gently screw the cap on and observe the air being displaced to the edge. A few drops of water will trickle out the edges of the cap.</b></p>	
<p>4. <b>Tighten the cap until the septum bows upward and slightly (1-2 mm) above the top of the cap.</b></p>	
<p>5. <b>Invert the vial. Tap the cap and confirm no air bubbles are present. Resample if bubbles are present.</b></p> <p><b>Store at <math>\leq 6^{\circ}\text{C}</math> without freezing. This slows biological degradation and bubble formation.</b></p>	