

Title	Volatile Organic Compounds
Test Explanation:	<p>Volatile Organic Compounds include the EPA regulated Drinking Water Volatile Organic Contaminants and Total Trihalomethanes. This test also includes compounds commonly found in gasoline.</p> <p>Many of these volatile organic compounds are suspected human carcinogens.</p>
Specimen Requirements	<p>Samples for VOC analysis will only be accepted from the Indiana State Department of Health and other government agencies.</p> <p>Contact: Mark Starzynski 317-921-5580 for sample containers and instructions.</p>
Sampling Materials	<p>Sample Containers -- 40ml screw cap vials each equipped with a PTFE-faced silicon septum.</p>
Procedural Notes	<p>For Water Samples: Collect all samples in duplicate. If samples contain residual chlorine and measurement of the concentrations of disinfection by-products (trihalomethanes, etc.) at the time of sample collection is desired, add about 25mg of ascorbic acid to the sample bottle before filling. Fill sample bottles to overflowing, but take care not to flush out the rapidly dissolving ascorbic acid. No air bubbles should pass through the sample as the bottle is filled, or be trapped in the sample when the bottle is sealed. Adjust the pH of the duplicate samples to < 2 by carefully adding 4 drops of 1:1 HCl for each 40ml of sample volume. Seal the sample bottles, PTFE-face down, and shake vigorously for 1 min.</p> <p>When sampling from a water tap, open the tap and allow the system to flush until the water temperature has stabilized (usually about 10 min). Adjust the flow so that it is smaller than the bottle opening, and collect the sample from the flowing stream.</p> <p>When sampling from an open body of water, fill a 1-quart wide-mouth bottle or 1-liter beaker with sample from a representative area, and carefully fill duplicate sample bottles from the 1-quart container.</p>
Shipping Instructions	<p>The samples must be chilled to 4 °C on the day of collection and maintained at that temperature until analysis. Field samples that will not be received at the laboratory on the day of collection must be packaged for shipment with sufficient ice to ensure that they will be at 4 °C on arrival at the laboratory.</p> <p>Indiana State Department of Health Chemistry Laboratories 550 W. 16th Street, Suite B Indianapolis, In 46202</p>
Reporting and TAT	<p>Results will be e-mailed to the submitter normally within 15 days.</p>