

Title	Nitrite Analysis
Test Explanation:	<p>High levels of nitrites may indicate a failing septic system or contamination from fertilizers or landfills.</p> <p>Using Federal regulations under the Safe Drinking Water Act (40 CFR 141.23 (a) (4) (i)) as a guideline, the maximum contaminant level (MCL) for Nitrite as Nitrogen is 1.0 mg/L (ppm). The health significance of nitrite higher than this level applies to pregnant women and infants below the age of six months. The major health effect associated with these levels is methemoglobinemia, also known as “blue-baby syndrome”.</p>
Specimen Requirements	<p>Samples from State government agencies, State Institutions and County Health Departments will be accepted at no charge.</p> <p>Contact: Bharat Patel Phone: 317-921-5586 Email: Bpatel@isdh.in.gov</p>
Sampling Materials	<p>Nitrite kits can be requested from the Indiana State Department of Health Laboratories Containers Area 317-921-5874 or Containers@isdh.in.gov.</p> <p>The kit contains • Instruction form• Analysis request form• Ice pack• One 125 mL plastic bottle.</p>
Procedural Notes	<p>Place the ice packs in the freezer overnight. Flush the sample tap for five (5) minutes prior to collecting the sample. Reduce the flow of the water and fill the sample container to the shoulder of the bottle. Replace and tighten the cap to prevent sample leaking. Complete the analysis request form. Place the sample bottle with the frozen ice pack and the analysis request form in the mailing container.</p>
Shipping Instructions	<p>The sample must be delivered to the Indiana State Department of Health to allow the laboratory to receive and complete the test before the sample is 48 hours old.</p> <p>Mail or return to: Indiana State Department of Health Laboratories Chemistry Laboratories 550 W 16th Street, Suite B Indianapolis, IN 46202-2203</p>
Reporting and TAT	<p>The report will be emailed/faxed or mailed within 15 days after receiving the sample.</p>