

Title	Lead and Copper in Drinking Water
Test Explanation:	<p>Lead and Copper usually enter the water supply from plumbing or from erosion of natural rock deposits.</p> <p>In infants and children, Lead can cause delays in physical or mental development. Children could show slight deficits in attention span and learning abilities. In adults, Lead may cause kidney problems as well as high blood pressure.</p> <p>Short term Copper exposure can cause gastrointestinal distress. Long term exposure can cause liver or kidney damage.</p> <p>Lead and Copper are EPA regulated parameters with an action limit of 15 ppb for Lead and 1300 ppb for Copper in drinking water.</p>
Specimen Requirements	<p>Samples are accepted ONLY from Divisions of the Indiana State Department of Health, State Government Agencies or from County Health Departments.</p> <p>Questions: Contact Marsha Rinehart, mrinehart@isdh.in.gov or 317-921-5559</p>
Sampling Materials	<p>Sampling bottles must be 1 L plastic bottles to meet the requirements for the Lead and Copper Rule.</p> <p>Samples for Schools and Child Care facilities should be 250 mL plastic bottles.</p> <p>Bottles from the laboratory do not contain preservative.</p> <p>Contact Marsha Rinehart, mrinehart@isdh.in.gov or 317-921-5559, for sampling containers.</p>
Procedural Notes	<p>There are two draw types for water sampling:</p> <ul style="list-style-type: none"> - First Draw: Water that has stood motionless for at least 6 hours. Do not flush the water before taking sample. Do not sample after weekends, holidays, or extended periods of stagnation. First draw samples may be taken in the morning or at the end of the day, but the water in the residence must not be used during the prior 6 hour period. - Second Draw: Does not require stagnation. Flush the water 4-5 minutes before collecting the sample, then fill up the container. <p>First Draw and Second Draw samples give an idea of the amount of lead attributed to the plumbing. If only collecting one sample, collect a First Draw.</p> <p>Complete the analysis request form. For contact information, include at least an email address.</p> <p>The Environmental Lead in Water Sample submission form can be found at http://www.in.gov/isdh/19147.htm.</p>
Shipping Instructions	<p>Mail or return to:</p> <p>Indiana State Department of Health Laboratories Chemistry Laboratory 550 West 16th St, Suite B Indianapolis, IN 46202-2218</p>
Reporting and TAT	<p>The report will be emailed within 30 days after receiving the sample.</p>