

IMPORTANT NOTICE: ELEVATED LEAD WATER SAMPLE RESULT(S)
St. Elizabeth School

ELEVATED LEAD WATER SAMPLE RESULT(S)

All Maryland public and nonpublic schools are required to sample all drinking water outlets for the presence of lead pursuant to the Code of Maryland Regulations. On July 11, 2024, 45 lead water samples were collected from St. Elizabeth School. Of these lead water samples, 11 had levels of lead exceeding the State's revised action level of 5 parts per billion (ppb) (*formerly 20 ppb; 5 ppb effective June 1, 2021*) for lead in drinking water in school buildings. The lead results from the sample(s) collected at St. Elizabeth School were as follows:

<i>1.00 parts per billion (ppb) SE – LL</i>	<i>2.50 parts per billion (ppb) SE – Staff Din L</i>
<i>1.00 parts per billion (ppb) SE – LL Fountain</i>	<i>4.20 parts per billion (ppb) SE – 200 SO.</i>
<i>1.00 parts per billion (ppb) SE – 009</i>	<i>3.90 parts per billion (ppb) SE – 200 E.</i>
<i>1.00 parts per billion (ppb) SE – 130</i>	<i>3.20 parts per billion (ppb) SE – 211</i>
<i>4.20 parts per billion (ppb) SE – 133</i>	<i>7.30 parts per billion (ppb) SE – 210</i>
<i>42.20 parts per billion (ppb) SE – 126AL</i>	<i>1.30 parts per billion (ppb) SE – 215</i>
<i>26.40 parts per billion (ppb) SE – 126AR</i>	<i>3.30 parts per billion (ppb) SE – 217</i>
<i>3.30 parts per billion (ppb) SE – 121</i>	<i>4.80 parts per billion (ppb) SE – 216</i>
<i>3.20 parts per billion (ppb) SE – 119</i>	<i>1.00 parts per billion (ppb) SE – 2nd Bottle E</i>
<i>1.00 parts per billion (ppb) SE – 117</i>	<i>1.00 parts per billion (ppb) SE – 2nd Fountain EL</i>
<i>14.40 parts per billion (ppb) SE – 110</i>	<i>1.00 parts per billion (ppb) SE – 2nd Fountain ER</i>
<i>4.50 parts per billion (ppb) SE – 111</i>	<i>1.00 parts per billion (ppb) SE – 2nd Bottle W</i>
<i>1.00 parts per billion (ppb) SE – Board Rm</i>	<i>1.00 parts per billion (ppb) SE – 2nd Fountain WL</i>
<i>1.00 parts per billion (ppb) SE – 1st Bottle E</i>	<i>1.00 parts per billion (ppb) SE – 2nd Fountain WR</i>
<i>1.00 parts per billion (ppb) SE – 1st Fountain EL</i>	<i>12.00 parts per billion (ppb) SE – 231</i>
<i>1.00 parts per billion (ppb) SE – 1st Fountain ER</i>	<i>4.50 parts per billion (ppb) SE – 228</i>
<i>1.00 parts per billion (ppb) SE – 1 KIT ICE</i>	<i>16.50 parts per billion (ppb) SE – 230</i>
<i>9.00 parts per billion (ppb) SE – Kit Hand Sink</i>	<i>17.60 parts per billion (ppb) SE – 233</i>
<i>6.70 parts per billion (ppb) SE – Kit Wash Sink</i>	<i>5.70 parts per billion (ppb) SE – 232</i>
<i>3.60 parts per billion (ppb) SE – Kit Pot Sink</i>	<i>1.00 parts per billion (ppb) SE – Bottle W</i>
<i>1.00 parts per billion (ppb) SE – Kit Prep Sink</i>	<i>1.00 parts per billion (ppb) SE – Fountain W</i>
<i>1.00 parts per billion (ppb) SE – Staff Din Hot Water</i>	<i>1.00 parts per billion (ppb) SE – 219</i>
<i>17.50 parts per billion (ppb) SE – Staff Din NO.</i>	

ACTION LEVEL (AL)

Effective June 1, 2021, the State's AL for lead in drinking water samples collected from outlets in school buildings has been lowered to 5 ppb. The AL is the concentration of lead which, if exceeded, triggers required remediation of drinking water outlets.

HEALTH EFFECTS OF LEAD

Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Lead is stored in the bones and it can be released later in life. During pregnancy, the fetus receives lead from the mother's bones, which may affect brain development. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

SOURCES OF HUMAN EXPOSURE TO LEAD

There are many different sources of human exposure to lead. These sources include: lead-based paint, lead-contaminated dust or soil, some plumbing materials, certain types of pottery, pewter, brass fixtures, food, and cosmetics, exposure in the workplace and exposure from certain hobbies, brass faucets, fittings, and valves. According to the Environmental Protection Agency (EPA), 10 to 20 percent of a person's potential exposure to lead may come from drinking water, while for an infant consuming formula mixed with lead-containing water this may increase to 40 to 60 percent.

IMMEDIATE ACTIONS TAKEN

Since learning of the results from the water testing, SES has taken the following actions:

1. Notifying parents, employees, MSDE, MDE, and the Health Department of the results.
2. Posted signage reminding anyone in the building which outlets may be used for water consumption.
3. The school will change filters and/or take additional remediation steps, if necessary.

NEXT STEPS

Since none of the outlets are currently being used for drinking, the signage will remain in place.

TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER:

1. Run water to flush out lead: If water hasn't been used for several hours, run water for 15 to 30 seconds or until it becomes cold or reaches a steady temperature before using it for drinking or cooking.
2. Use cold water for cooking and preparing baby formula: Lead from the plumbing dissolves more easily into hot water.

Please note that boiling the water will not reduce lead levels.

ADDITIONAL INFORMATION

For additional information, please contact Anant Saran, Director of Finance and Operations at (410) 889-5054. For additional information on reducing lead exposure around your home/building and the health effects of lead, visit EPA's website at www.epa.gov/lead. If you are concerned about exposure; contact your local health department or healthcare provider to find out how you can get your child tested for lead.