

Lead in Drinking Water – Public and Nonpublic Schools

IMPORTANT NOTICE: ELEVATED WATER SAMPLE RESULT(S) **Arundel High 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 April 12, 2019, three (3) lead water samples were collected from **Arundel High School**. Of these lead water samples, none (0) had levels of lead exceeding the action level of 20 parts per billion (ppb) for lead in drinking water in school buildings.

ACTION LEVEL (AL)

The AL is 20 ppb for lead in drinking water in school buildings. The AL is the concentration of lead which, if exceeded, triggers required remediation.

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 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

1. None are necessary.

NEXT STEPS

1. All consumable water sources will be retested every three (3) years in accordance with the regulations.

TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER:

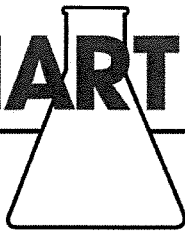
1. Run your water to flush out lead: If water hasn't been used for several hours, run water for 15 to 30 seconds or until it becomes cold or reaches a steady temperature before using it for drinking or cooking.
2. Use cold water for cooking and preparing baby formula: Lead from the plumbing dissolves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

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

ADDITIONAL INFORMATION

1. For additional information, please contact Chris Williams, Environmental Issues Program Manager, at 410-360-0138. 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.

MARTEL



AACPS - Operations Division
9034 Ft. Smallwood Road

Tuesday, May 28, 2019

Pasadena, MD 21122

Certificate of Analysis

Attention: Chris Williams; Brian Wells

FINAL

Report for Lab No: 40106.

Arundel High School

Sampling by regulation to Maryland House Bill 270 - Lead in Drinking Water

P.O. Number: PO 9212

Sampling by Martel personnel on April 12, 2019

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40106	000191	Outside Concession Kitchen Sink-Left [KS--C]			04/12/2019 05:09
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	05/02/2019 11:01 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40106	000192	Outside Concession Kitchen Sink-Right [KS--C]			04/12/2019 05:09
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	05/02/2019 11:04 BJ

MARTEL NO.	CLIENT SAMPLE IDENTIFICATION				Sample Date/Time
40106	000193	Outside Concession Kitchen Hand Sink [HS--NC]			04/12/2019 05:11
Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	05/02/2019 11:06 BJ



Martel Laboratories JDS Inc.

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AACOP1

Page 2 OF 2
05/28/2019
stdl.frx

Notes and references:

SM="Standard Methods for the Examination of Water and Wastewater", American Public Health Association, American Water Works Association, and Water Environment Federation. Year in method code is approved date. 40CFR141=U.S. "Code of Federal Regulations", Title 40, Protection of the Environment, Part 141, National Primary Drinking Water Regulations.

All samples tested were in acceptable condition, unless otherwise noted.
The results presented herein relate only to the samples or items tested.


Project Manager

MARTEL Chain of Custody Record

Martel Laboratories JDS Inc., 1025 Cromwell Bridge Rd., Baltimore, MD 21286, (410) 825-7790, FAX (410) 821-1054, email: martel@martellabs.com

Anne Arundel County Public Schools Drinking Water Lead Testing

Bottle Type: 250 ml plastic, preserved with HNO3 Analysis: Lead (EPA 200.8)

Start Date/Time: 4/12/19 5:09 End Date/Time: 4/12/19 5:11

Sampler/Relinquished by: [Signature] Received at Martel by [Signature] Date/Time: 4/12/19 12:15 PM

Area 2: Additions School: Arundel High School

Area 2: Failed Consumable Outlets - Kitchens, FAC's (Home ECC), Health Rooms & Winterized Concession Stands/Field Houses School: Arundel High School

**ALL OUTLET WERE FLUSHED THE NIGHT BEFORE
SAMPLING BETWEEN THE HOURS OF 8PM AND 9PM**

Martel NO:
40106

Sample #	Room #	Fixture Type <i>(Sink, Bubbler, Water Fountain, Gooseneck, Ice</i>	Outlet Key		Time/notes
			Codes	C or NC?	
40106 191	Outside Concession Kitchen	Sink-Left	KS	C	5:09
40106 192	Outside Concession Kitchen	Sink-Right	KS	C	↓
40106 193	Outside Concession Kitchen	Hand Sink	HS	NC	5:11