Lead in Drinking Water – Public and Nonpublic Schools

IMPORTANT NOTICE: ELEVATED WATER SAMPLE RESULT(S)
Brock Bridge Elementary 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**,** fifteen (15) lead water sample was collected from **Brock Bridge Elementary School**. Of these lead water samples, one (1) had levels of lead exceeding the action level of 20 parts per billion (ppb) for lead in drinking water in school buildings. The lead result from the sample(s) collected at **Brock Bridge Elementary School** was as follows:

Sample Number 000082-Room 143 Drinking Fountain (combination sink): 28.9 ppb (consumable).

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. One (1) consumable water source consisting of a drinking fountain (combination sink) in Room 143 will remain turned off indefinitely.

NEXT STEPS

1. One (1) consumable water source consisting of a drinking fountain (combination sink) in Room 143 will be replaced and retested. All other consumable water sources will be tested 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

Pasadena, MD 21122

Attention: Chris Williams; Brian Wells

Tuesday, May 28, 2019

Certificate of Analysis

FINAL

Report for Lab No: 40109.
Brock Bridge ES
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
40109	000068	144 HS [CC--C]	04/12/2019 06:21

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	05/02/2019 10:03 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40109	000069	144 B [CC--C]	04/12/2019 06:21

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	05/02/2019 10:14 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40109	000070	Student Restroom (next to 141 Custodian Closet) HS [BR--NC	04/12/2019 06:21

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	05/02/2019 10:19 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40109	000071	Girls BR (next to 141 Custodian Closet) HS-L [BR--NC]	04/12/2019 06:22

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	9.24	ug/l	EPA .200.8	2	05/02/2019 10:21 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40109	000072	Girls BR (next to 141 Custodian Closet) HS-C [BR--NC]	04/12/2019 06:23

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	4.96	ug/l	EPA .200.8	2	05/02/2019 10:24 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40109	000073	Girls BR (next to 141 Custodian Closet) HS-R [BR--NC]	04/12/2019 06:23

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial

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Certificate of Analysis

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40109	000073	Girls BR (next to 141 Custodian Closet) HS-R [BR--NC]	04/12/2019 06:23

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	10.8	ug/l	EPA .200.8	2	05/02/2019 10:26 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40109	000074	Hall Fountain (next to 140) DF-L [DF--C]	04/12/2019 06:26

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	05/02/2019 10:29 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40109	000075	Hall Fountain (next to 140) DF-R [DF--C]	04/12/2019 06:26

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	05/02/2019 10:31 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40109	000076	Boys BR (next to 140) HS-L [BR--NC]	04/12/2019 06:27

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	2.98	ug/l	EPA .200.8	2	05/02/2019 10:34 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40109	000077	Boys BR (next to 140) HS-C [BR--NC]	04/12/2019 06:27

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	<2	ug/l	EPA .200.8	2	05/02/2019 10:36 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40109	000078	Boys BR (next to 140) HS-R [BR--NC]	04/12/2019 06:27

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	11.7	ug/l	EPA .200.8	2	05/02/2019 10:38 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40109	000079	140 B-L [DF--C]	04/12/2019 06:28

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	18.6	ug/l	EPA .200.8	2	05/02/2019 10:46 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40109	000080	140 B-R [CC--C]	04/12/2019 06:28

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	non	operational	EPA .200.8	2	/ /

MARTEL

Certificate of Analysis

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40109	000081	140 HS [CC--C]	04/12/2019 06:28

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	7.78	ug/l	EPA .200.8	2	05/02/2019 10:54 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40109	000082	143 DF [DF--C]	04/12/2019 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	28.9	ug/l*	EPA .200.8	2	05/02/2019 10:56 BJ

MARTEL NO.		CLIENT SAMPLE IDENTIFICATION	Sample Date/Time
40109	000083	143 HS [CR--C]	04/12/2019 06:30

Compound	Test Value	Test Unit	Method	Detection Limit	Analysis Date/Time/Initial
Lead	8.41	ug/l	EPA .200.8	2	05/02/2019 10:59 BJ

1025 Cromwell Bridge Road - Baltimore, Maryland 21286
PH 410-825-7790 FAX 410-821-1054 EMAIL: martel@martellabs.com

stddl.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.

* results exceeded 20.5 ug/l.

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 Laboratoies JDS Inc., 1025 Cromwell Bridge Rd., Baltimore, MD 21286, (410) 825-7790, FAX (410) 821-1054, emal: 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 6:21 End Date/Time: 4/12/19 6:30

Sampler/Relinguished By: [signature] Received at Martel by [signature] Date/Time: 4/12/19 12:15

Brock Bridge ES (3062)

405 Brock Bridge Road, Laurel, MD 20724

~~40109~~ 40109

TO BE SAMPLED IN 2019

Martel NO: 40109

Sample #	Room #	Fixture Type	Outlet Key Codes	Consumption	Time/Notes
68	144	HS	CC	C	6:21
69	144	B	CC	C	6:21 ↓
70	Student Restroom (next to 141 Custodian Closet	HS	BR	NC	↓
71	Girls BR (next to 141 Custodian Closet)	HS-L	BR	NC	6:22
72	Girls BR (next to 141 Custodian Closet)	HS-C	BR	NC	6:23
73	Girls BR (next to 141 Custodian Closet)	HS-R	BR	NC	↓
74	Hall Fountain (next to 140)	DF-L	DF	C	6:26
75	Hall Fountain (next to 140)	DF-R	DF	C	↓
76	Boys BR (next to 140)	HS-L	BR	NC	6:27
77	Boys BR (next to 140)	HS-C	BR	NC	↓
78	Boys BR (next to 140)	HS-R	BR	NC	↓
79	140	B-L	DF	C	6:28
80	140	B-R	CC	C	~~(NW)~~
81	140	HS	CC	C	
82	143	~~B~~ ~~DF~~	~~DF~~ CC	C	6:30
83	143	HS	~~CC~~ CR	~~NC~~ C	↓